

2019

Primary 5 Math

1.	ACS	SA1
2.	Catholic High	SA1
3.	Henry Park	SA1
4.	MGS	SA1
5.	Nan Hua	SA1
6.	Nanyang	SA1
7.	Raffles	SA1
8.	Red Swastika	SA1
9.	Rosyth	SA1
10.	SCGS	SA1
11.	St Nicholas	SA1
12.	Tao Nan	SA1
13.	ACS	SA2
14.	Ai Tong	SA2
15.	Catholic High	SA2
16.	Henry Park	SA2
17.	MGS	SA2
18.	Nan Hua	SA2
19.	Nanyang	SA2
20.	Raffles	SA2

21.	Red Swastika	SA2
22.	Rosyth	SA2
23.	SCGS	SA2
24.	St Nicholas	SA2
25.	Tao Nan	SA2

7
Anglo-Chinese School (Junior)



SEMESTRAL ASSESSMENT 1 (2019)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet A

Wednesday

15 May 2019

1 h

Name: _____ () Class: 5.()

INSTRUCTIONS TO PUPILS

- 1 Do not turn over the pages until you are told to do so.
- 2 Follow all instructions carefully.
- 3 Answer ALL questions.
- 4 Shade your answers in the Optical Answer Sheet (OAS) provided.
- 5 You are not allowed to use a calculator for this paper.

This question paper consists of 6 printed pages (inclusive of cover page).

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (20 marks)

1. $4872 = 4000 + \boxed{} + 70 + 2$

The missing number in the box is _____.

- (1) 8
- (2) 80
- (3) 800
- (4) 8000

2. A number has digit 3 in the ones place and thousands place, and digit 1 in the hundred thousands place. Which of the following is the number?

- (1) 3103
- (2) 13 003
- (3) 10 3003
- (4) 13 0003

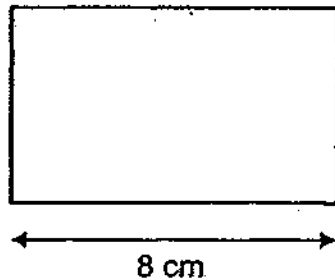
3. Express $\frac{15}{8}$ as a decimal.

- (1) 1.5
- (2) 1.675
- (3) 1.775
- (4) 1.875

4. How many ninths are there in $1\frac{2}{3}$?

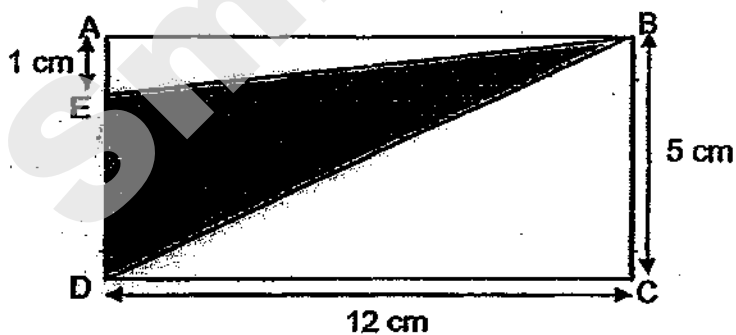
- (1) 5
- (2) 7
- (3) 13
- (4) 15

5. The area of the rectangle is 48 cm^2 . The length is 8 cm . What is the perimeter?



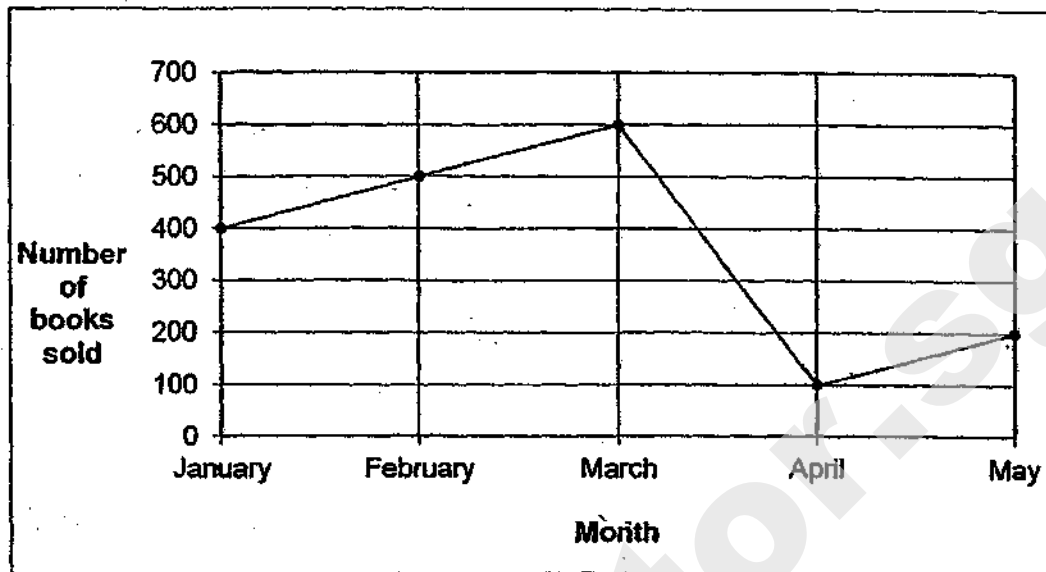
- (1) 24 cm
 - (2) 28 cm
 - (3) 32 cm
 - (4) 40 cm
6. Julie attended her piano lesson in the afternoon. The lesson lasted for $1 \text{ h } 15 \text{ min}$ and ended at 15 00 . At what time did the piano lesson start?
- (1) 13 30
 - (2) 13 45
 - (3) 14 15
 - (4) 16 15

7. ABCD is a rectangle. $CD = 12 \text{ cm}$, $BC = 5 \text{ cm}$ and $AE = 1 \text{ cm}$. What is the area of triangle BDE?



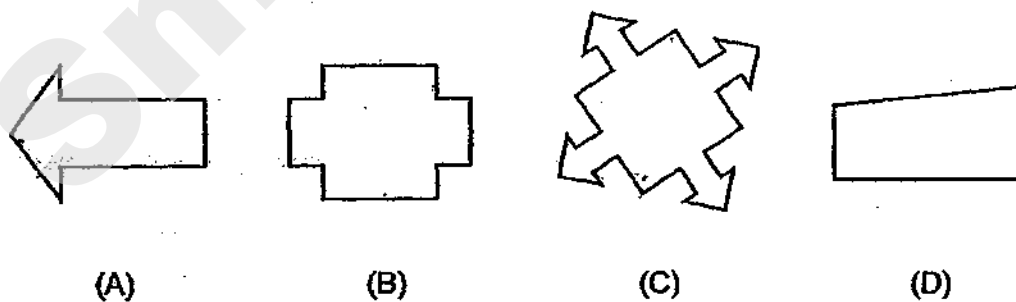
- (1) 24 cm^2
- (2) 30 cm^2
- (3) 48 cm^2
- (4) 60 cm^2

8. The line graph shows the number of books sold in a book store for the past 5 months.



On which two months were a total of 900 books sold?

- (1) March and May
 - (2) March and April
 - (3) February and May
 - (4) January and February
9. Which of the following figures has only one line of symmetry?



- (1) A
- (2) B
- (3) C
- (4) D

10. What is the missing number in the box?

$$14 : 21 = 6 : \boxed{?}$$

- (1) 7
- (2) 8
- (3) 9
- (4) 10

11. The cost of 2 wallets and 2 bags is \$192. A bag cost 3 times as much as a wallet. What is the cost of a bag?

- (1) \$24
- (2) \$48
- (3) \$72
- (4) \$96

12. For every 25 buttons Mrs Wong paid for at a shop, she received 5 buttons free. Mrs Wong got 480 buttons from the shop. What was the least number of buttons she paid for?

- (1) 30
- (2) 80
- (3) 320
- (4) 400

13. $\frac{1}{3}$ of the beads in a box are blue. $\frac{1}{6}$ of the remainder are yellow beads and the rest are red beads. What fraction of the beads are red?

- (1) $\frac{1}{2}$
- (2) $\frac{1}{9}$
- (3) $\frac{5}{9}$
- (4) $\frac{7}{18}$

14. Ian was facing North-west at first. Through what angle must Ian turn in a clockwise direction to face East?



- (1) 90°
 - (2) 135°
 - (3) 180°
 - (4) 225°
15. Linda and Mike had a total of \$92. Linda had \$36. What is the ratio of the amount of money Linda had to the amount of money Mike had?
- (1) 9 : 23
 - (2) 9 : 14
 - (3) 14 : 9
 - (4) 14 : 23

END OF BOOKLET A

Anglo-Chinese School (Junior)



SEMESTRAL ASSESSMENT 1 (2019)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet B

Wednesday

15 May 2019

1 h

Name: _____ ()

Class: 5.()

INSTRUCTIONS TO PUPILS

- 1 Do not turn over the pages until you are told to do so.
- 2 Follow all instructions carefully.
- 3 Answer ALL questions.
- 4 You are not allowed to use a calculator for this paper.

This question paper consists of 8 printed pages (inclusive of cover page).

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

16. Find the value of $6 \times 8 + (10 - 7) \div 3$.

Ans: _____

17. Find the value of $18 \times \frac{5}{8}$. Give your answer as a mixed number in the simplest form.

Ans: _____

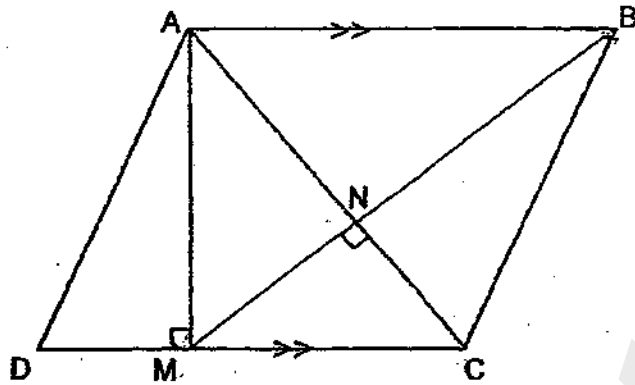
18. The perimeter of a square is 36 m. What is the area of the square?



Ans: _____ m²

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19. In the figure below, the base of triangle BMC is MC. Which line is the height of triangle BMC.



Ans: Line _____

20. Dave and Eric shared some sweets in the ratio of 11 : 7. Eric had the 84 sweets. How many sweets did they have altogether?

Ans: _____

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Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

21. Mrs Dawson bakes some cupcakes. If she packs them equally into boxes of 4, she will have 42 boxes. If she packs them equally into boxes of 6, how many boxes will she have?

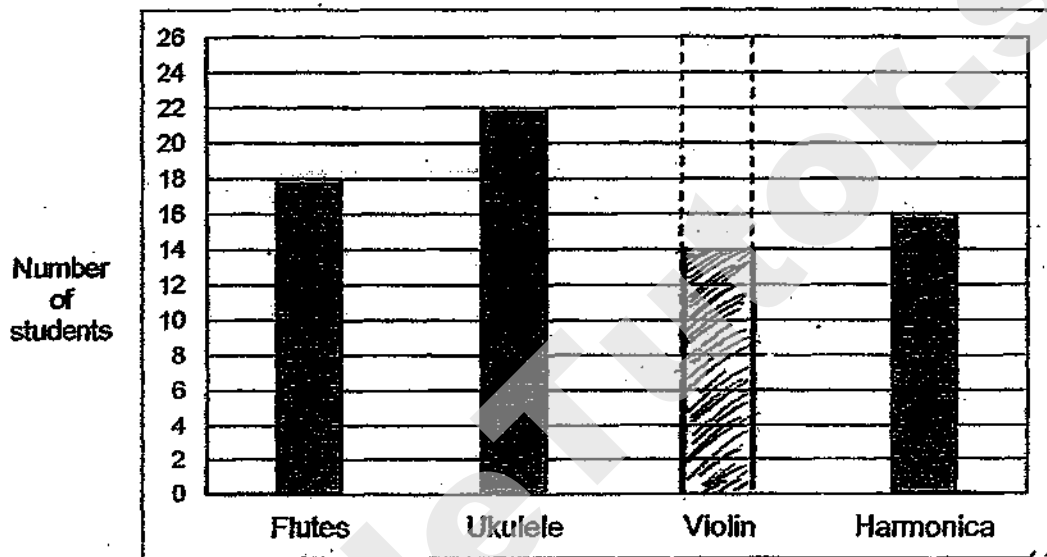
Ans: _____ boxes

22. Rita spent $\frac{1}{4}$ of her money on food and $\frac{2}{5}$ of her money on transport. She had \$84 left. How much money did she have at first?

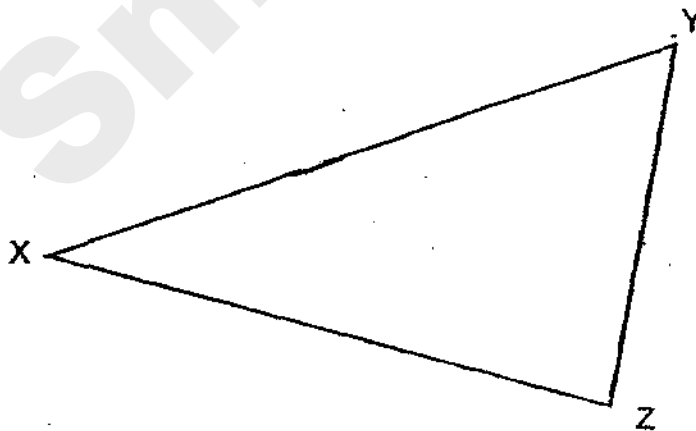
Ans: \$ _____

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23. The bar graph shows the number of students playing 4 different types of musical instruments during a concert. Each student plays only one type of instrument and $\frac{1}{5}$ of the students play the violin. Draw the bar that shows the number of students who play violin.



24. Measure and write down the size of $\angle XYZ$.



Ans: _____°

25. \$5456 is shared among Alice, Betty and Carol in the ratio 5 : 4 : 2. How much more money does Alice have than Betty?

Ans: \$ _____

26. Two whole numbers add up to 639. What is the smallest difference between the two numbers? Write down these two numbers.

Ans: Smallest difference: _____

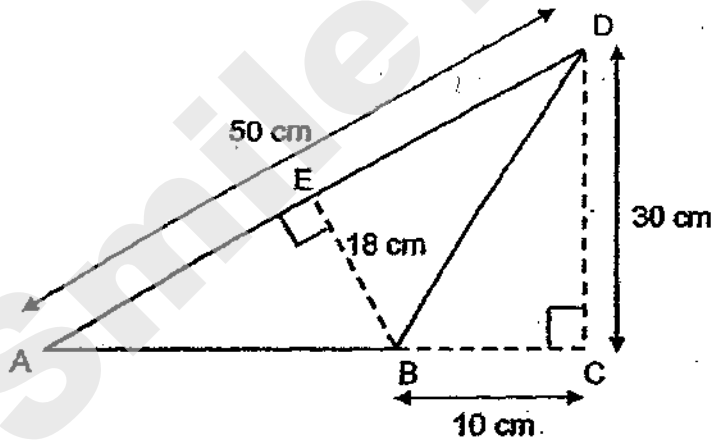
Numbers: _____, _____

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27. Keith spent $\frac{3}{5}h$ watching television programme. He spent $\frac{1}{3}h$ more to take his lunch than watching television programme. How long did he spend on both watching the television programme and lunch? Leave your answer as a mixed number.

Ans: _____ h

28. Find the area of the triangle ABD.

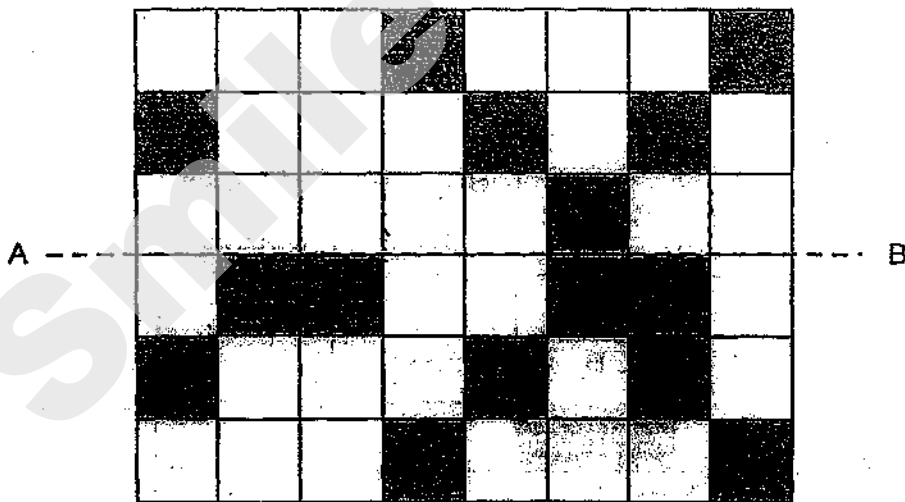


Ans: _____ cm²

29. Mayer bought 2 apples and 2 oranges for \$2.20. The total cost of 4 apples and 3 oranges was \$3.90. How much did 1 orange cost?

Ans: \$ _____

30. The diagram below is made up of squares. Shade three more squares to complete the diagram so that the dotted line AB is a line of symmetry.



END OF BOOKLET B

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Anglo-Chinese School (Junior)



SEMESTRAL ASSESSMENT 1 (2019)

PRIMARY 5 MATHEMATICS

PAPER 2

Wednesday

15 May 2019

1 h 30 min

Name: _____

Class: 5.()

Parent's Signature: _____

INSTRUCTIONS TO PUPILS

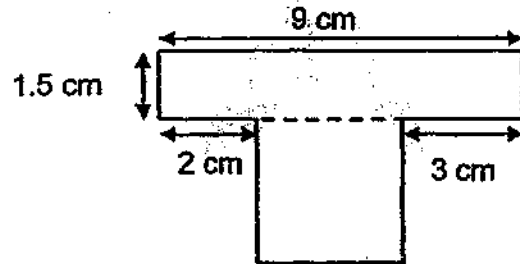
- 1 Do not turn over the pages until you are told to do so.
- 2 Follow all instructions carefully.
- 3 Answer ALL questions.
- 4 You can use a calculator for this paper.

Paper	Booklet	Possible Marks	Marks Obtained
1	A	20	
	B	25	
2		55	
Total		100	

This question paper consists of 13 printed pages (inclusive of cover page).

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

1. The figure below is made up of a rectangle and a square. Find the area of the figure.

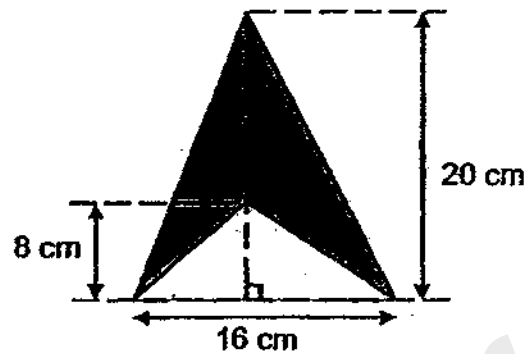


Ans: _____ cm²

2. James had 4 litres of water. He drank $\frac{2}{5}$ litres of water in the morning and $\frac{7}{8}$ litres of water in the afternoon. How much water had he left? Give your answer in litres.

Ans: _____ litres

3. The figure below is made up of two triangles. Find the area of the shaded part.



Ans : _____ cm^2

4. Joe, Kenneth and Louis shared a box of cards in the ratio 7 : 9 : 5. Joe and Louis had 384 cards altogether. How many cards did the three boys share altogether?

Ans: _____

5. 5 boys shared the cost of a meal equally. When calculating the amount for each share, the boy who did the calculation made a mistake by dividing the cost of the meal by 4 instead of 5. Each boy paid \$3.60 more than his share. What should be the correct amount for each share?

Ans: \$ _____

For Questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

6. Jovan has twice as many marbles as Sean. Herman has 3 times as many marbles as Jovan. Jovan has 240 fewer marbles than Herman. How many marbles do they have altogether?

Ans : _____ [3]

7. 2 groups of students were in the hall. The number of students in Group A was 12 more than the number of students in Group B. 25 students moved from Group A to Group B. In the end, the number of students in Group B was 3 times the number of students in Group A. How many students were there in Group A at first?

Ans : _____ [3]

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8. $\frac{1}{3}$ of the length of Ribbon X is equal to $\frac{3}{5}$ the length of Ribbon Y. Ribbon X is 240 cm longer than Ribbon Y. Find the total length of Ribbon X and Y.

Ans : _____ [3]

9. A group of students participated in a quiz. A student must obtain at least a certain score to pass the quiz. The table shows the number of students who obtained the different groups of scores.

Score	Number of Students
0 to 10	3
11 to 20	6
21 to 30	13
31 or more	8

$\frac{3}{10}$ of the students did not pass the quiz. From the table, what was the lowest score of a student who passed the quiz?

Ans : _____ [3]

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10. The ratio of Melvin's age to his mother's age is 1 : 4 this year. Six years ago, his mother was 58 years old. How old is Melvin this year?

Ans : _____ [3]

11. In a library, there were 972 fiction books. The number of fiction books was 3 times the number of non-fiction books. An equal number of fiction books and non-fiction books were given away to charity. In the end, the number of fiction books was 4 times the number of non-fiction books. How many fiction books were given away?

Ans : _____ [4]

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12. Betty and Diana have 109 coins altogether. Betty has 25 more coins than Diana.
- a) How many coins does Diana have?
 - b) Diana has only 1-dollar coins or 50-cent coins. The total amount of money she has is \$25.50. How many 50-cent coins does she have?

Ans: (a) _____ [2]

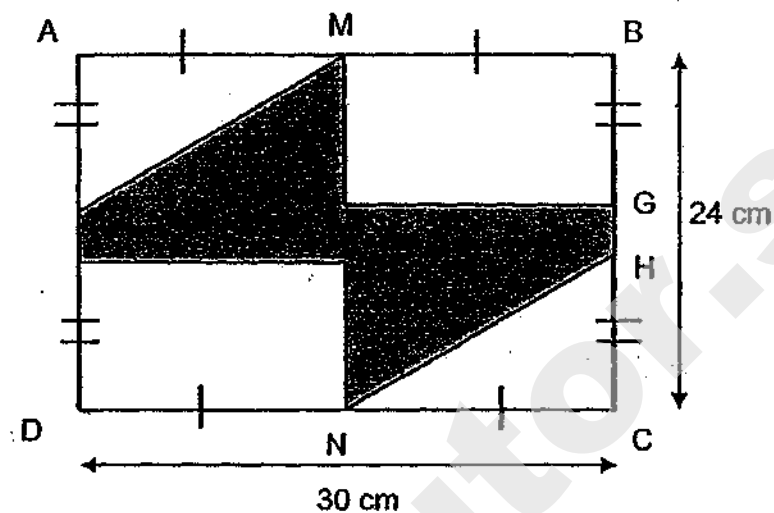
(b) _____ [2]

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13. $\frac{3}{11}$ of students in a school like Rugby, $\frac{1}{4}$ of the remaining students like Soccer and the rest like Tennis. 348 more students like Tennis than Rugby. How many students are there in the school altogether?

Ans: _____ [4]

14. In the figure below, ABCD is a rectangle. M is the midpoint of AB and N is the midpoint of DC. $AE = FD = BG = HC$ and $EF = GH = 4$ cm. Find the area of the shaded part.



Ans: _____ [4]

15. A group of people went to the zoo. $\frac{1}{5}$ of them were adults, $\frac{1}{4}$ of them were girls and the rest were boys.

- a) What was the ratio of the number of adults to the number of girls to the number of boys?
- b) The number of adults was 96 fewer than the total number of girls and boys in the group. Find the total number of people in the group.

Ans: (a) _____ [2]

(b) _____ [2]

16. Natasha used 238 beads to make some necklaces and bracelets. She used 16 beads for each necklace and 9 beads for each bracelet. She made twice as many bracelets as necklaces. After making the necklaces and bracelets, she sold each necklace for \$25 and each bracelet for \$15.
- (a) How many bracelets did Natasha make?
- (b) Natasha sold all the necklaces and bracelets. How much did she collect from the sale of all the necklaces and bracelets?

Ans : (a) _____ [3]

(b) _____ [2]

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17. The chairs in a school hall were arranged in rows such that there were exactly 12 chairs in each row. For a musical, Mr Tan brought in 3 more chairs into the hall and rearranged all the chairs. There are now exactly 9 chairs in each row and 11 more rows than before. How many chairs were there in the concert hall for the musical?

Ans : _____ [5]

END OF PAPER 2

SCHOOL : ACS PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA1

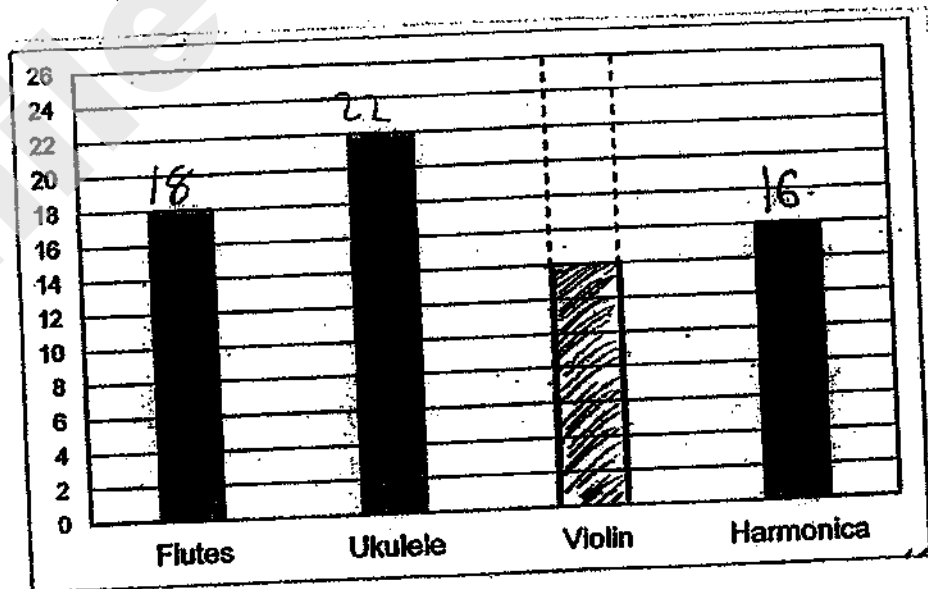
PAPER 1
BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	3	4	4	2	2	1	4	1	3
Q11	Q12	Q13	Q14	Q15					
3	4	3	2	2					

BOOKLET B

- Q16. 49
 Q17. $11\frac{1}{4}$
 Q18. $81m^2$
 Q19. AM
 Q20. 216 sweets
 Q21. 28 boxes
 Q22. \$240
 Q23.

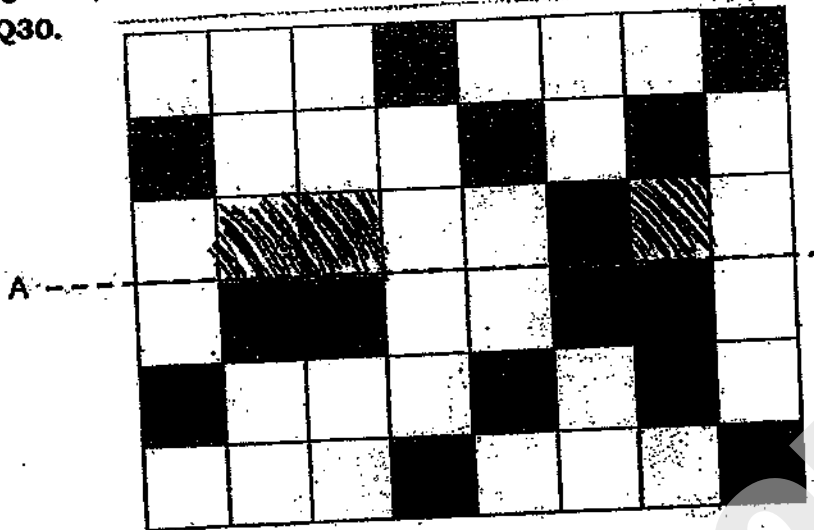
Number
of
students



- Q24. 62°
 Q25. \$496
 Q26. Smallest difference: 11
 Numbers: 319,320
 Q27. $1\frac{8}{15}$
 Q28. $450cm^2$

Q29. \$0.50

Q30.



PAPER 2

Q1. $9 \times 1.5 = 13.5$
 $4 \times 4 = 16$
 $16 + 13.5 = 29.5$

Ans: 29.5cm²

Q2. $4 - \frac{2}{5} - \frac{7}{8} = 2.725$

Ans: 2.725 l

Q3. $\frac{1}{2} \times 16 \times 8 = 64$
 $\frac{1}{2} \times 20 \times 16 = 160$
 $160 - 64 = 96$

Ans: 96cm²

Q4. $J : K : L$

$7 : 9 : 5$

$12u = 384$

$1u = 32$

$21u = 672$

Ans: 672 cards

Q5. $3.60 \times 5 = 18$
 $18 + 4 = 4.50$
 $4.50 \times 5 = 22.50$

Ans: \$22.50

Q6. $4U = 240$

$1u = 60$

$9u = 540$

Ans: \$540

Q7. $25 - 12 = 13$

$13 + 13 + 12 = 38$

$2U = 36$

$1U = 19$

$19 + 25 = 44$

Ans: 44 students

Q8. X

$\frac{1}{3}$
 $\frac{3}{3}$
 $\frac{3}{9}$

Y

$\frac{3}{5}$
 $\frac{3}{5}$
 $\frac{3}{5}$

$4U = 240$

$1U = 60$

$14U = 840$

Ans: 840cm

Q9. $3 + 6 + 13 + 8 = 30$ students

$30 + 10 = 3$

$3 \times 3 = 9$

Ans: 21

Q10. $58 + 6 = 64$

$4U = 64$

$1U = 16$

Ans: 16 years old

Q11. F

$3 (X 3)$

9

(-1)

8

4

:

:

:

:

:

:

NF

$1 (X 3)$

3

(-1)

2

1

$9U = 972$

$1U = 972 \div 9 = 108$

Ans: 108 books

Q12. a) $109 - 25 = 84$
 $2U = 84$
 $1U = 42$

b) $42 \times \$0.50 = 21$
 $25.50 - 21 = 4.5$
 $4.5 \div 0.5 = 9$
 $42 - 9 = 33$

Ans: a) 42 coins
b) 33 coins

Q13. $\frac{8}{11} \times \frac{3}{4} = \frac{6}{11}$
 $\frac{3}{11} \rightarrow 348$
 $\frac{1}{11} \rightarrow 116$
 $\frac{11}{11} \rightarrow 1276$

Ans: 1276 students

Q14. $30 \times 24 = 720$
 $\frac{1}{2} \times 15 \times 10 = 75$
 $75 \times 2 = 150$
 $15 \times 10 = 150$
 $150 \times 2 = 300$
 $300 \div 150 = 450$
 $720 - 450 = 270$

Ans: 270 cm²

Q15. a) $1 - \frac{1}{5} - \frac{1}{4} = \frac{11}{20}$
 $4 : 5 : 11$

b) $5 + 11 - 4 = 12$
 $12U = 96$
 $1U = 8$
 $20U = 160$

Ans: a) 4 : 5 : 11
b) 160 people

Q15. a) $1 - \frac{1}{5} - \frac{1}{4} = \frac{11}{20}$
 $4 : 5 : 11$

b) $5 + 11 - 4 = 12$
 $12U = 96$
 $1U = 8$
 $20U = 160$

Ans: a) 4 : 5 : 11
b) 160 people

Q16. a) 1 group = 1 necklace
2 bracelets
 $16 + 9 \times 2 = 34$
 $238 \div 34 = 7$
 $7 \times 2 = 14$

b) $7 \times 25 + 14 \times 15 = 175 + 210 = 385$
Ans: a) 14 bracelets
b) \$385

Q17. $11 \times 9 = 99$
 $99 - 3 = 96$
 $96 \div 3 = 32$
 $32 + 11 = 43$
 $43 \times 9 = 387$

Ans: 387 chairs.

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CATHOLIC HIGH SCHOOL
MID-YEAR EXAMINATION (2019)
PRIMARY FIVE
MATHEMATICS
PAPER 1
(BOOKLET A)

Name : _____ ()

Class : Primary 5

Date : 14 May 2019

Total Time for Booklets A and B: 1 hour

15 questions

20 marks

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

The use of calculators is **NOT** allowed.

SmileTutor.sg

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. All diagrams are not drawn to scale. (20 marks)

1. What does the digit 7 in 3 478 900 stand for?

- (1) 700
 - (2) 7000
 - (3) 70 000
 - (4) 700 000
-

2. $400 + 50 =$ _____

- (1) 8
 - (2) 80
 - (3) 200
 - (4) 2000
-

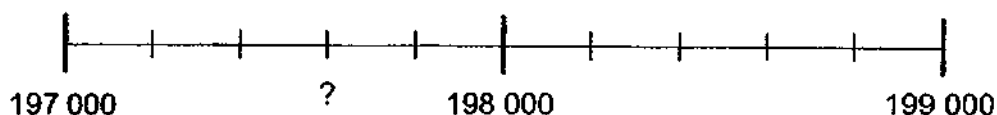
3. Which of the following is the same as 1040 cm?

- (1) 1 m 4 cm
 - (2) 1 m 40 cm
 - (3) 10 m 4 cm
 - (4) 10 m 40 cm
-

4. What is the volume of a cube of edge 10 cm?

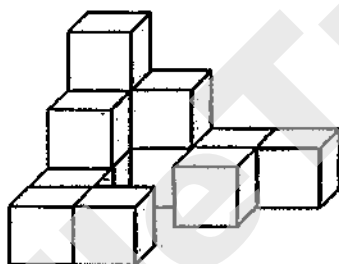
- (1) 30 cm^3
 - (2) 100 cm^3
 - (3) 600 cm^3
 - (4) 1000 cm^3
-

5. The number line is marked at equal interval. Find the missing number on the number line below.



- (1) 197 300
- (2) 197 400
- (3) 197 600
- (4) 197 998

-
6. The solid below is made up of 1-cm cubes. What is the volume of the solid?

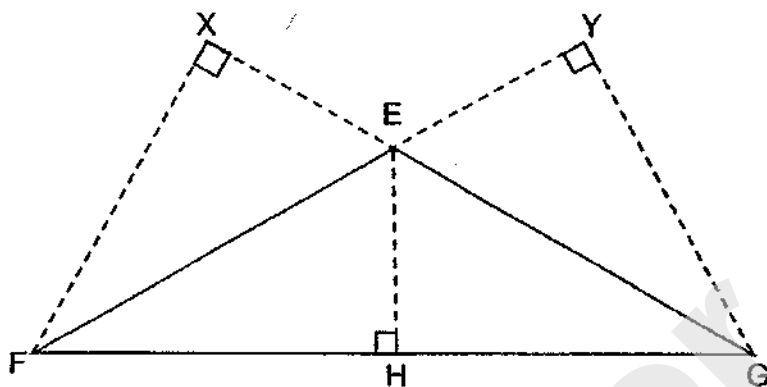


- (1) 11 cm³
- (2) 12 cm³
- (3) 13 cm³
- (4) 14 cm³

-
7. Mary has 14 stickers and John has 16 stickers. What is the ratio of the number of stickers Mary has to the total number of stickers they both have?

- (1) 7 : 15
- (2) 15 : 7
- (3) 8 : 7
- (4) 7 : 8

8. In the figure below, EGF is a triangle. With EG as the base of triangle EGF, which of the following is the height of triangle EGF?



- (1) EH
- (2) FX
- (3) FE
- (4) GY

-
9. Siti bought 100 apples. She ate 20 apples and packed the rest of them into bags of 5. Which equation represents the number of bags of apples she had after packing?

- (1) $100 + 20 + 5$
- (2) $100 - 20 + 5$
- (3) $(100 + 20) \div 5$
- (4) $(100 - 20) \div 5$

10. Which one of the following fractions is closest to 1?

(1) $\frac{3}{4}$

(2) $\frac{11}{12}$

(3) $1\frac{1}{8}$

(4) $1\frac{1}{2}$

11. Mary shared 10 pizzas equally among 7 children. How many pizzas did each child get?

(1) $1\frac{3}{7}$

(2) $\frac{3}{7}$

(3) $3\frac{1}{7}$

(4) $\frac{7}{10}$

12. Ariel made pink paint by mixing red paint and white paint in the ratio of 5 : 1. He made 720 ml of pink paint. How much red paint did Ariel use?

(1) 120 ml

(2) 144 ml

(3) 480 ml

(4) 600 ml

13. Jasmine bought 5 m of ribbon. She used $\frac{5}{8}$ of it for decorations.
How much ribbon was left?

(1) $\frac{3}{8}$ m

(2) $1\frac{7}{8}$ m

(3) $3\frac{1}{8}$ m

(4) $4\frac{3}{8}$ m

14. Corrine had $\frac{7}{8}$ kg of flour. She used $\frac{1}{4}$ kg to make some biscuits.
How much flour was left?

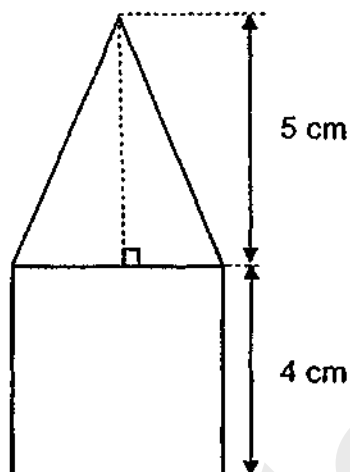
(1) $\frac{5}{8}$ kg

(2) $\frac{3}{4}$ kg

(3) $\frac{7}{32}$ kg

(4) $\frac{21}{32}$ kg

15. The figure below is made up of a square and a triangle. Find the area of the figure.



- (1) 10 cm^2
- (2) 22 cm^2
- (3) 26 cm^2
- (4) 36 cm^2

END OF BOOKLET A



CATHOLIC HIGH SCHOOL
MID-YEAR EXAMINATION (2019)
PRIMARY FIVE
MATHEMATICS
PAPER 1
(BOOKLET B)

Name : _____ ()

Class : Primary 5

Date : 14 May 2019

Total Time for Booklets A and B: 1 hour

15 questions

25 marks

Booklet A	
Booklet B	
Total	

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of calculators is **NOT** allowed.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. (5 marks)

Do not write
in this space

16. Write five million, two thousand and seven in figures.

Ans: _____

17. What is the value of $64 - 8 \times 7 + 3$?

Ans: _____

18. What is the missing number in the blank below?

$$18 : 15 = \underline{\hspace{2cm}} : 5$$

Ans: _____

19. Sally bought 20 apples, 12 oranges and 16 pears. Find the ratio of the number of apples to the number of oranges to the number of pears. Leave your answer in the simplest form.

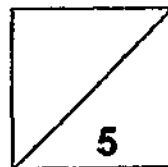
Do not write
in this space

Ans: _____

20. There are 609 103 spectators at a stadium. Express this number to the nearest thousand.

Ans: _____

Total marks for questions 16 to 20



Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

(20 marks)

Do not write
in this space

21. Express $\frac{25}{7}$ as a decimal, correct to 1 decimal place.

Ans: _____

22. Find the product of $\frac{3}{8}$ and $\frac{5}{6}$. Leave your answer in the simplest form.

Ans: _____

23. After Abby lost 5 books and Zoe bought 15 books, they had the same number of books in the end. How many more books did Abby have than Zoe at first?

Ans: _____

24. The length of the sides of a triangle are in the ratio of 3 : 4 : 5. The length of the shortest side is 60 cm. What is the perimeter of the triangle?

Do not write
in this space

Ans: _____ cm

25. At a party, the ratio of the number of adults to the number of children was 5 : 3. Of the number of children, the ratio of the number of boys to the number of girls was 5 : 4.

Statement (a) and (b) are either true, false or not possible to tell from the information given above. For statement (a) and (b), put a tick(✓) in the correct column.

Statement	True	False	Not possible to tell
(a) The number of children was $\frac{3}{8}$ of the total number of people at the party.			
(b) There was an equal number of adults and boys.			

26. Charles spent $\frac{1}{4}$ of his pocket money on stationery and $\frac{5}{8}$ of it on food.
What fraction of his money was left?

Do not write
in this space

Ans: _____

27. Chocolate pies are sold at \$2 each and in packets of 5 at \$9 per packet. John wants to buy 23 chocolate pies. What is the least amount of money he has to pay?

Ans:\$ _____

28. Joseph and Mark have \$230. Joseph and Kelvin have \$130. Mark has 3 times as much money as Kelvin. How much money does Kelvin have?

Do not write
in this space

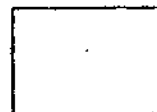
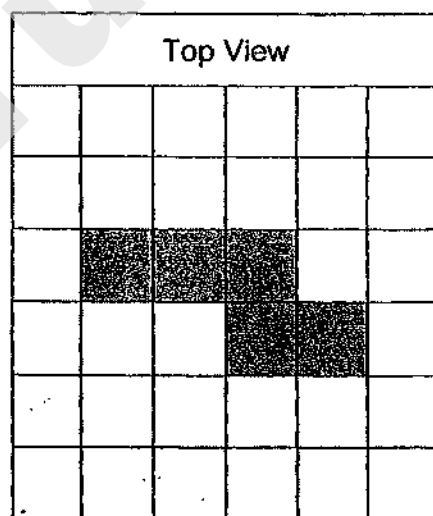
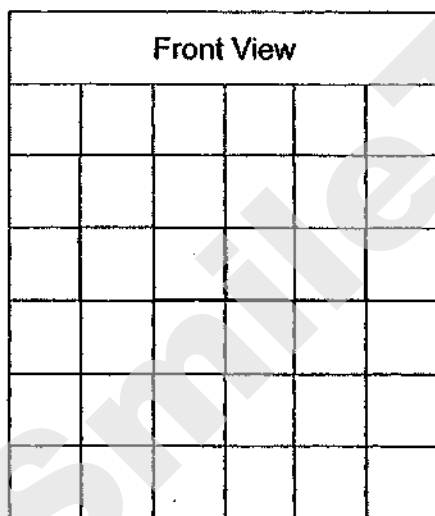
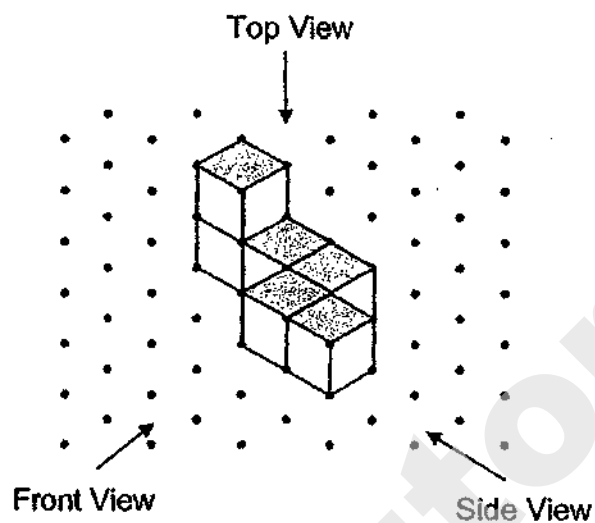
Ans: \$ _____

29. The ratio of the number of red marbles to the number of blue marbles is 3 : 4. The ratio of the number of green marbles to the number of red marbles is 5 : 9. What is the ratio of the number of blue marbles to the number of green marbles? Leave your answer in the simplest form.

Ans: _____

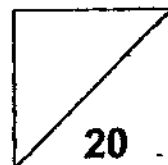
30. The following solid is made up of 6 cubes. Its top view has been drawn as shown below. Draw the front view of the solid on the square grid provided.

Do not write
in this space



Total marks for questions 21 to 30

END OF BOOKLET B
END OF PAPER 1



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CATHOLIC HIGH SCHOOL
MID-YEAR EXAMINATION (2019)
PRIMARY FIVE
MATHEMATICS
PAPER 2

Name : _____ ()

Class : Primary 5 _____

Date : 14 May 2019

Total Time: 1 h 30 min

17 questions

55 marks

Parent's Signature: _____

Paper 1 Booklet A	20
Paper 1 Booklet B	25
Paper 2	55
Total Marks	100

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of an approved calculator is expected, where appropriate.

SmileTutor.sg

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. (10 marks)

Do not write
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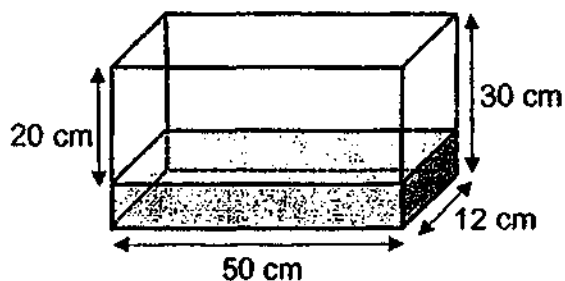
1. Harley and Dawn shared some cards in the ratio of 7 : 1. When Harley gave Dawn 27 cards, they each had the same number of cards. How many cards did Harley have at first?

Ans: _____

2. Eric bought $2\frac{3}{4}$ kg of grapes. The grapes cost \$6 per kilogram. How much did Eric pay for the grapes?

Ans:\$ _____

3. A tank measuring 50 cm by 12 cm by 30 cm is filled with some water as shown below. Find the volume of water in the tank.



Do not write
in this space

Ans: _____ cm^3

4. Daphne spent \$252 on 12 notebooks and 6 pens. The cost of 2 pens was the same as the cost of 3 notebooks. Find the cost of 1 such pen.

Ans: \$ _____

5. Clarice had some meat at first. She used $1\frac{1}{2}$ kg of it to make dumplings and bought another $3\frac{3}{4}$ kg of the same meat. She had $4\frac{1}{8}$ kg of meat in the end. How much meat did she have at first?

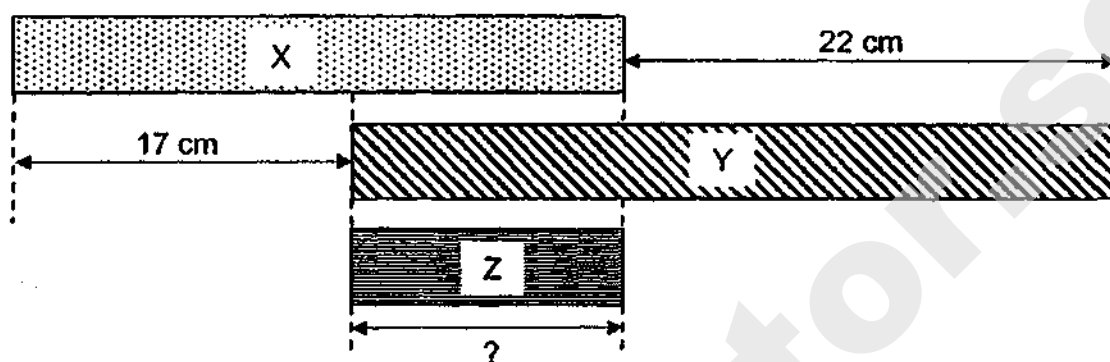
Do not write
in this space

Ans: _____ kg

For questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question.
(45 marks)

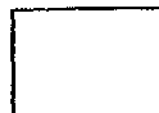
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6. The diagram below shows 3 different strips of paper X, Y and Z.



Given that the total length of paper X, Y and Z is 78 cm, find the length of paper Z.

Ans: _____ [3]



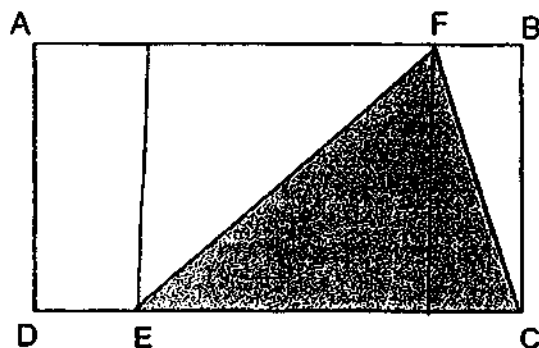
7. $\frac{1}{3}$ of John's money is equal to $\frac{4}{5}$ of David's money. John has \$392 more than David. How much money do they have altogether?

Do not write
in this space

Ans: _____ [3]



8. The area of rectangle ABCD is 216 cm^2 . DE is $\frac{1}{4}$ of DC. What is the area of the shaded triangle EFC?



Do not write
in this space

Ans: _____ [3]



9. Kavitha bought 28 mangoes and pomelos. Each mango cost \$3 and each pomelo cost \$5. She paid a total of \$118 for all the fruits. How many pomelos did she buy?

Do not write
in this space

Ans: _____ [3]

10. A bakery had 480 cupcakes and 300 muffins. After selling an equal number of cupcakes and muffins, the number of cupcakes left became 4 times the number of muffins left. How many muffins were sold?

Do not write
in this space

Ans: _____ [3]

11. Davis saved $\frac{1}{7}$ of his salary and spent $\frac{5}{8}$ of the remainder on a television. He bought a camera with his remaining money. The camera cost \$360. How much was his salary?

Do not write
in this space

Ans: _____ [4]



12. At a class party, there were 3 times as many boys as girls. Each boy was given 3 cookies and each girl was given 2 cookies. A total of 253 cookies were given to them. How many boys were there at the class party?

Do not write
in this space

Ans: _____ [4]



13. Jenny earned \$3 for every box of food that she delivered. She received an additional \$20 for every 10 boxes of food delivered. How many boxes of food did she deliver if she earned a total of \$218?

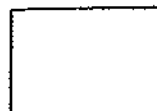
Do not write
in this space

Ans: _____ [4]

14. Chloe spent \$450 of her money on an oven and $\frac{1}{6}$ of her remaining money on a vacuum cleaner. She had $\frac{1}{3}$ of her original sum of money left after making the two purchases. How much money did Chloe have at first?

Do not write
in this space

Ans: _____ [4]



15. A tank is $\frac{2}{3}$ filled with water. Some water from the tank is poured into an empty container measuring 20 cm by 30 cm by 15 cm to fill it up. 168 cm³ of water is left in the tank. What is the capacity of the tank?

Do not write
in this space

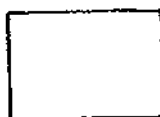
Ans: _____ [4]



16. 6 identical notebooks cost as much as 14 identical staplers. Each notebook costs \$5.80 more than each stapler. Find the total cost of a notebook and a stapler.

Do not write
in this space

Ans: _____ [5]



17. Jovan spent $\frac{1}{6}$ of his money and an additional \$15 on a wallet. He spent $\frac{1}{4}$ of the remaining money and an additional \$10 on a belt. He was left with \$65. How much did he have at first?

Do not write
in this space

Ans: _____ [5]



END OF PAPER 2

SCHOOL : CATHOLIC HIGH PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA1

PAPER 1
BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	1	4	4	3	3	1	2	4	2
Q11	Q12	Q13	Q14	Q15					
1	4	2	1	3					

BOOKLET B

Q16. 5002007

Q17. 11

Q18. 6

Q19. 5:3:4

Q20. 609000

Q21. 3.6

Q22. $\frac{5}{16}$

Q23. 20 books

Q24. 240cm

Q25. (a) True

(b) False

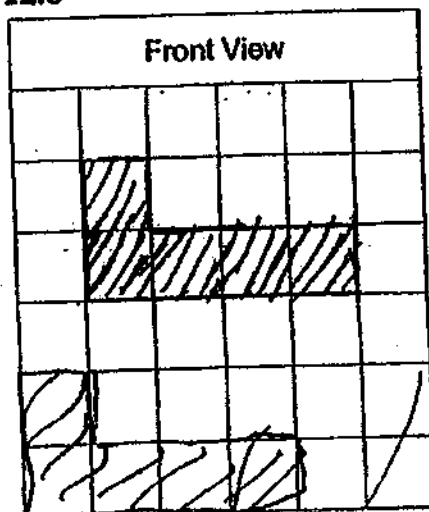
Q26. $\frac{1}{8}$

Q27. \$42

Q28. \$50

Q29. 12:5

Q30.



PAPER 2

Q1. $7 - 1 = 6$

$6 \div 2 = 3$

$3u \rightarrow 27$

$1u \rightarrow 9$

$7u \rightarrow 9 \times 7$

$= 63$

Q2. $\$6 \times 2\frac{3}{4} = \16.50

Q3. $30 - 20 = 10$

Volume of water $\rightarrow 50 \times 12 \times 10$

$= 6000\text{cm}^3$

Q4. Cost of 2 pens = cost of 3 notebooks

Cost of 8 pens = cost of 12 notebooks

$6 \div 8 = 14$

Cost of 14 pens $\rightarrow \$252$

Cost of 1 pen $\rightarrow \$252 \div 14$

$= \$18$

Q5. Amount of meat at first $\rightarrow 4\frac{1}{8} - 3\frac{3}{4} + 1\frac{1}{2}$

$= 1\frac{7}{8}\text{kg}$

Q6. $3u \rightarrow 78 - 17 = 22$

$= 39\text{cm}$

Length of Z $= 1u$

$= 39 \div 3$

$= 13\text{cm}$

Q7. $\frac{1}{3}$ of John's money $= \frac{4}{5}$ of David's money

$\frac{4}{12}$ of John's money $= \frac{4}{5}$ of David's money

$12u - 5u = 7u$

$7u \rightarrow \$392$

$1u \rightarrow \$56$

$12u + 5u = 17u$

Total amount of money $\rightarrow 17u$

$= 17 \times \$56$

$= \$952$

Q8. $4u \rightarrow 216\text{cm}^2$

$$1u \rightarrow 54\text{cm}^2$$

$$3u \rightarrow 54 \times 3$$
$$= 162\text{cm}^2$$

$$\text{Area of triangle EFC} \rightarrow \frac{1}{2} \times 162$$
$$= 81\text{cm}^2$$

Q9. Assume all are mangoes,

$$\text{Cost} \rightarrow \$3 \times 28$$

$$= \$84$$

$$\text{Difference} \rightarrow \$118 - \$84$$
$$= \$34$$

$$\$5 - \$3 = \$2$$

$$\text{No. of pomelos} \rightarrow \$34 \div \$2$$
$$= 17$$

Q10. $3u \rightarrow 480 - 300$

$$= 180$$

$$1u \rightarrow 60$$

$$\text{No. of muffins sold} \rightarrow 300 - 60$$
$$= 240$$

Q11. $\frac{3}{8} \times \frac{6}{7} = \frac{9}{28}$

$$\frac{9}{28} \text{ of salary} \rightarrow \$360$$

$$\frac{1}{28} \text{ of salary} \rightarrow \$40$$

$$\text{Salary} \rightarrow \$40 \times 28$$
$$= \$1120$$

Q12. $3 \times 3 = 9$

$$9 + 2 = 11$$

$$253 \div 11 = 23$$

$$\text{No. of boys} \rightarrow 23 \times 3$$
$$= 69$$

Q13. $\$3 \times 10 = \30

$$\$30 + \$20 = \$50$$

$$\$218 \div \$50 = 4 \text{ r } \$18$$

$$\$18 \div \$3 = 6$$

$$\text{No. of boxes} \rightarrow (4 \times 10) + 6$$
$$= 46$$

Q14. $\frac{5}{6}$ of remainder = $\frac{1}{3}$ of total

$\frac{5}{6}$ of remainder = $\frac{5}{15}$ of total

$1 - \frac{5}{15} - \frac{1}{15} = \frac{9}{15}$

$\frac{9}{15}$ of total \rightarrow \$450

$\frac{1}{15}$ of total \rightarrow \$50

Total \rightarrow \$50 \times 15
= \$750

Q15. Volume of water in container $\rightarrow 20 \times 30 \times 15$
= 9000cm²

Volume of water in tank $\rightarrow 9000 + 168$
= 9168cm²

Capacity of tank $\rightarrow 9168 \times \frac{3}{2}$
= 13752cm²

Q16. $14 - 6 = 8$

Cost of 8 staplers $\rightarrow 6 \times \$5.80$
= \$34.80

Cost of 1 stapler $\rightarrow \$34.80 \div 8$
= \$4.35

Total cost $\rightarrow \$4.35 + (\$4.35 + \$5.80)$
= \$14.50

Q17. $\frac{3}{4}$ of remainder $\rightarrow \$65 + \10
= \$75

Remainder $\rightarrow \$75 \times \frac{4}{3}$
= \$100

$\frac{5}{6}$ of total $\rightarrow \$100 + \15
= \$115

Total $\rightarrow \$115 \times \frac{6}{5}$
= \$138



HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 1
MATHEMATICS
PRIMARY 5

PAPER 1
(BOOKLET A)

Name: _____ ()

Parent's Signature

Class: Primary 5 _____

Marks:

Paper 1	Booklet A	20
	Booklet B	25
Paper 2		55
Total		100

Total Time for Booklets A and B: 1 hour

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

You are **not** allowed to use a calculator.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.
(20 marks)

1 What is the value of the digit 6 in 1 168 189?

- (1) 60
- (2) 600
- (3) 6000
- (4) 60 000

2 Which one of the following numbers is 78 000 when rounded to the nearest thousand?

- (1) 77 449
- (2) 77 501
- (3) 78 649
- (4) 78 901

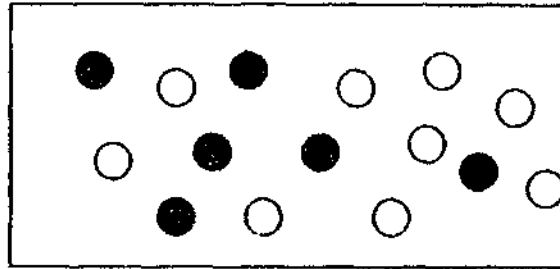
3 Which one of the following is **not** a common factor of 24 and 32?

- (1) 1
- (2) 2
- (3) 3
- (4) 4

4 Which of the following fractions is greater than $\frac{5}{12}$?

- (1) $\frac{1}{6}$
- (2) $\frac{1}{2}$
- (3) $\frac{1}{3}$
- (4) $\frac{1}{4}$

- 5 Study the diagram below.
What fraction of the circles are shaded?



- (1) $\frac{1}{3}$
(2) $\frac{2}{3}$
(3) $\frac{2}{5}$
(4) $\frac{3}{5}$
- 6 Which of the following is equal to $3\frac{5}{6}$?

- (1) $\frac{15}{6}$
(2) $\frac{21}{6}$
(3) $\frac{23}{6}$
(4) $\frac{35}{6}$

- 7 $52.94 = 50 + 2 + \frac{90}{\boxed{?}} + \frac{4}{100}$

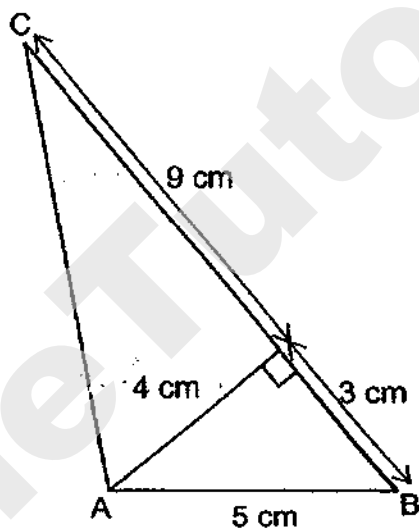
What is the missing number in the box?

- (1) 1
(2) 10
(3) 100
(4) 1000

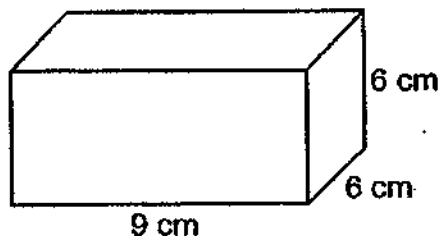
8. In a hall, $\frac{3}{8}$ of the number of students are girls. What is the ratio of the number of boys to the number of girls in the hall?

- (1) 3 : 11
- (2) 5 : 3
- (3) 5 : 8
- (4) 5 : 11

9. What is the area of triangle ABC?



- (1) 24 cm^2
 - (2) 30 cm^2
 - (3) 48 cm^2
 - (4) 60 cm^2
10. What is the volume of the cuboid shown below?



- (1) 216 cm^3
- (2) 324 cm^3
- (3) 486 cm^3
- (4) 729 cm^3

- 11 Ms Lee paid \$240 for a bag and a skirt. The bag cost 4 times as much as the skirt. How much more did the bag cost than the skirt?

- (1) \$144
- (2) \$120
- (3) \$96
- (4) \$48

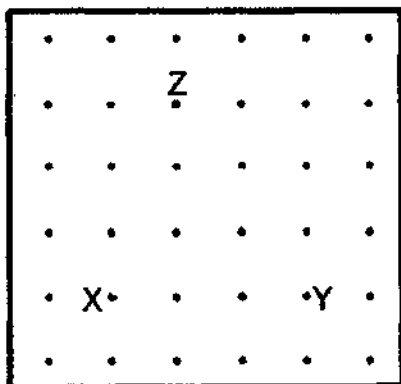
- 12 There were 16 pupils in a class at first. 12 of them were girls. 2 more boys and 2 more girls joined the class. In the end, what fraction of the pupils in the class were girls?

- (1) $\frac{2}{3}$
- (2) $\frac{7}{8}$
- (3) $\frac{7}{9}$
- (4) $\frac{7}{10}$

- 13 What is the value of $7 + 3 \times 6 - 4$?

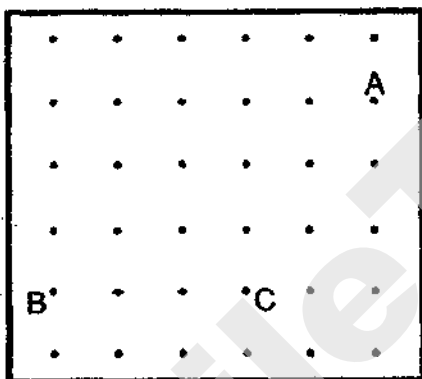
- (1) 56
- (2) 21
- (3) 20
- (4) 13

- 14 The diagram below shows a triangle XYZ drawn inside a box.

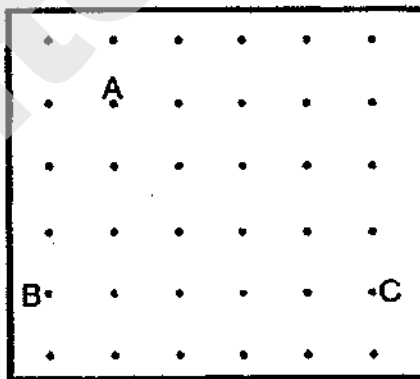


Which of the following triangles has the same area as triangle XYZ above?

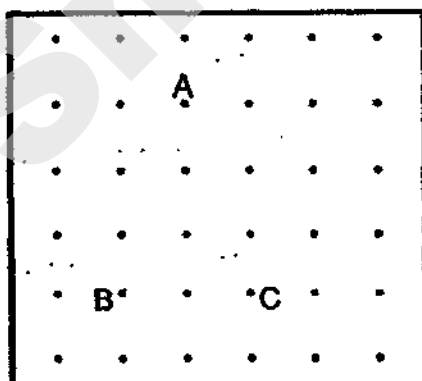
(1)



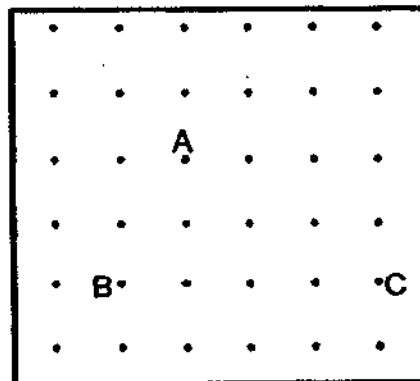
(2)



(3)



(4)



- 15 The figure below is made up of identical rectangles. How many white rectangles must be removed so that $\frac{2}{5}$ of the figure is shaded?



- (1) 1
- (2) 2
- (3) 5
- (4) 6

(Go on to Booklet B)

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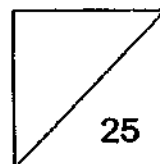


**HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 1
MATHEMATICS
PRIMARY 5**

**PAPER 1
(BOOKLET B)**

Name: _____ ()

Class: Primary 5 _____



Total Time for Booklets A and B: 1 hour

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

You are *not* allowed to use a calculator.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write
in this space

16 What is the missing number in the number pattern shown below?

611 899, _____, 612 099, 612 199, 612 299, 612 399

Ans: _____

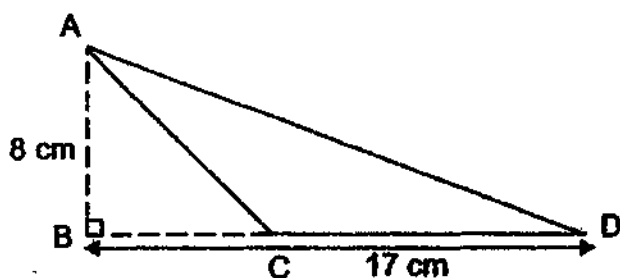
17 Find the value of $4\frac{2}{5} + 1\frac{9}{10}$

Ans: _____

18 Express 0.06 as a fraction. Give your answer in its simplest form.

Ans: _____

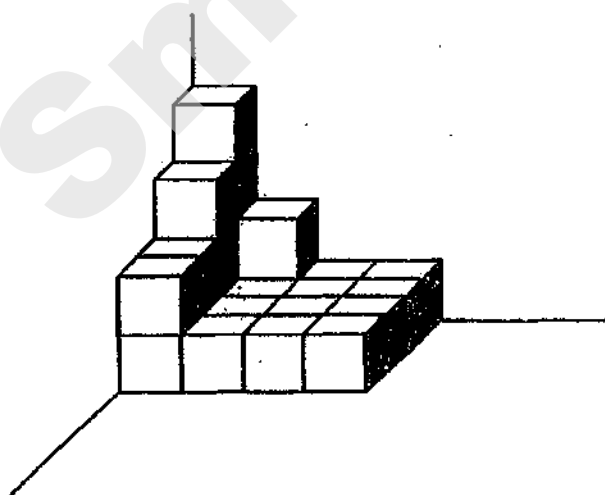
- 19 In the triangle below, BCD is a straight line and $AB = BC$. What is the area of the triangle ACD?



Do not write in this space

Ans: _____ cm^2

- 20 The solid below is made up of 1-cm cubes. What is the volume of the solid?



Ans: _____ cm^3

(Go on to the next page)

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

Do not write
in this space

- 21 Mr Wong and Mrs Lee have a total of \$8776. Mr Wong has \$2388 more than Mrs Lee. How much does Mr Wong have?

Ans: \$ _____

- 22 List all the common multiples of 4 and 6 which are smaller than 30.

Ans: _____

- 23 $\frac{4}{9}$ of a number is 72. What is the number?

Ans: _____

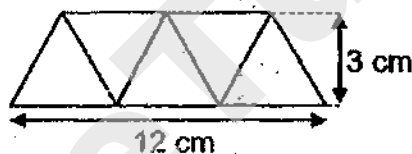
(Go on to the next page)

- 24 Randy, Samy and Tann donated \$1152 in the ratio of 3 : 2 : 4 respectively. How much did Tann donate?

Do not write
in this space

Ans: \$ _____

- 25 The figure below is made up of 5 identical triangles. What is the area of one such triangle?



Ans: _____ cm²

- 26 Abigail had 414 packets of buttons. Each packet contained 6 buttons. She repacked the buttons into packets of 4. How many packets of 4 buttons would she get?

Ans: _____

Use the information below to answer Questions 27a and 27b.

Do not write
in this
space

The table below shows the schedule for a shuttle bus that leaves a hotel for a shopping mall.

Leaves hotel	Arrives at shopping mall
11 30	11 45
12 00	12 15
12 30	12 45
13 00	13 15
13 30	13 45
14 00	14 15

- 27a What is the latest time Ming Ming can take the shuttle bus to reach the shopping mall by 1 p.m.?

Ans: _____ p.m.

- 27b Li Li wants to take the shuttle bus that leaves at 11 30 but she is 25 minutes late. What is the earliest time she can arrive at the shopping mall by taking the shuttle bus from the hotel?

Ans: _____ p.m.

- 28 Ali and Ben shared the total cost of a present.

Ali paid \$15 more than $\frac{3}{8}$ of the cost of the present. Ben paid \$25.

How much did the present cost?

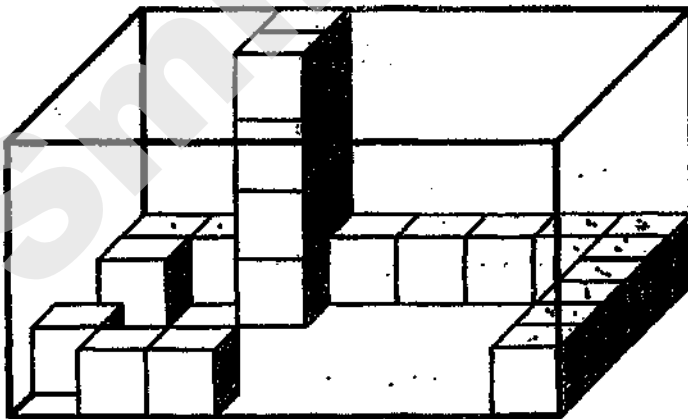
Ans: \$ _____

- 29 A pole was 2 m long. Jack painted $\frac{1}{4}$ of the pole red, $\frac{2}{5}$ of the pole blue and the rest of it green. Find the length of the pole that was painted green. Express your answer in cm.

Do not write
in this space

Ans: _____ cm

- 30 The figure shows a rectangular glass box partly filled with unit cubes. Jim then completely filled the box with unit cubes. How many such unit cubes were there altogether in the end?



Ans: _____

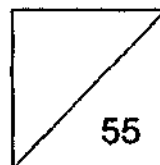


HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 1
MATHEMATICS
PRIMARY 5

PAPER 2

Name: _____ ()

Class: Primary 5 _____



Time for Paper 2: 1 h 30 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Show your working clearly as marks are awarded for correct working.

Write your answers in this booklet.

You are allowed to use a calculator.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

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- 1 The ratio of the number of adults to the number of children at the zoo was 2 : 1. There were 885 boys and 637 girls at the zoo. Altogether, how many people were at the zoo?

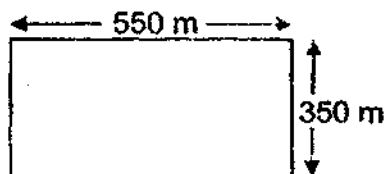
Ans: _____

- 2 John wrote a decimal. He wanted to multiply it by 4. Instead, he multiplied it by 7 and the answer was 1.05. What should have been the correct answer?

Ans: _____

(Go on to the next page)

- 3 Mr Lee wants to fence his rectangular farm measuring 550 m by 350 m. The fence costs \$15 per metre. How much does he have to pay in total to fence his rectangular farm?



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Ans: \$ _____

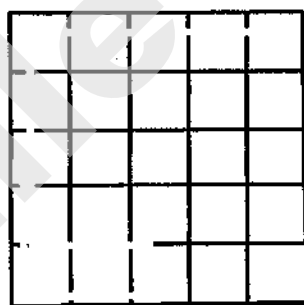
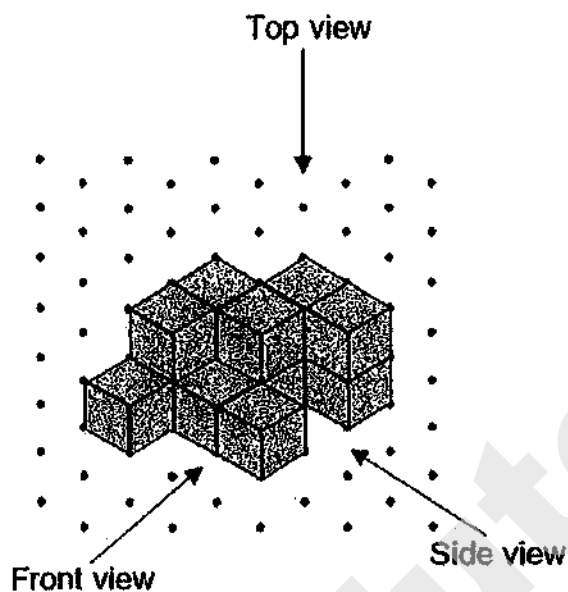
- 4 Joe had \$4315 more than Kim at first. Then, Kim gave Joe \$268. How much more money did Joe have than Kim in the end?

Ans: \$ _____

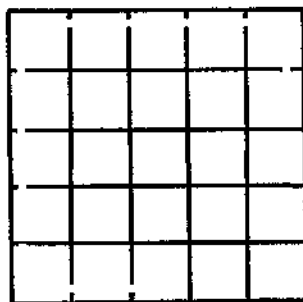
(Go on to the next page)

- 5 Study the following solid. Draw its front view and side view on the square grids below.

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Front View



Side View



(Go on to the next page)

For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question and part-question.

(45 marks)

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- 6 In a class, $\frac{3}{5}$ of the pupils are girls. $\frac{1}{6}$ of the girls and $\frac{3}{4}$ of the boys wear spectacles. What fraction of the pupils wear spectacles? Express your answer in its simplest form.

Ans: _____ [3]

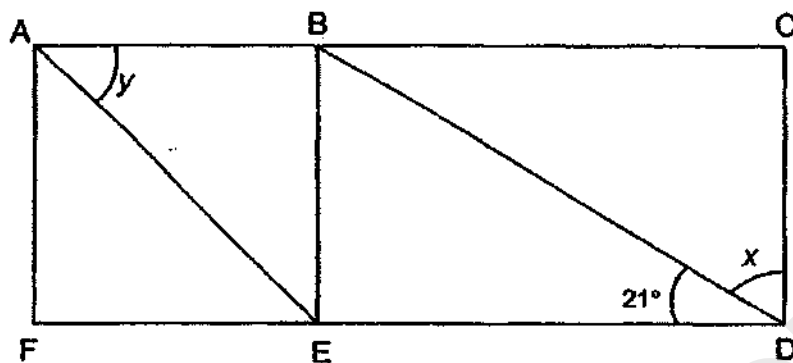
- 7 In a crate, $\frac{2}{5}$ of the fruits were apples and the rest were pears. $\frac{1}{2}$ of the apples and 74 pears from the crate were sold. There were then a total of 150 apples and pears left in the crate. What was the total number of apples and pears in the crate at first?

Ans: _____ [3]

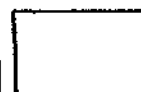
(Go on to the next page)

- 8 The figure below shows square ABEF and rectangle BCDE. Find the sum of $\angle x$ and $\angle y$.

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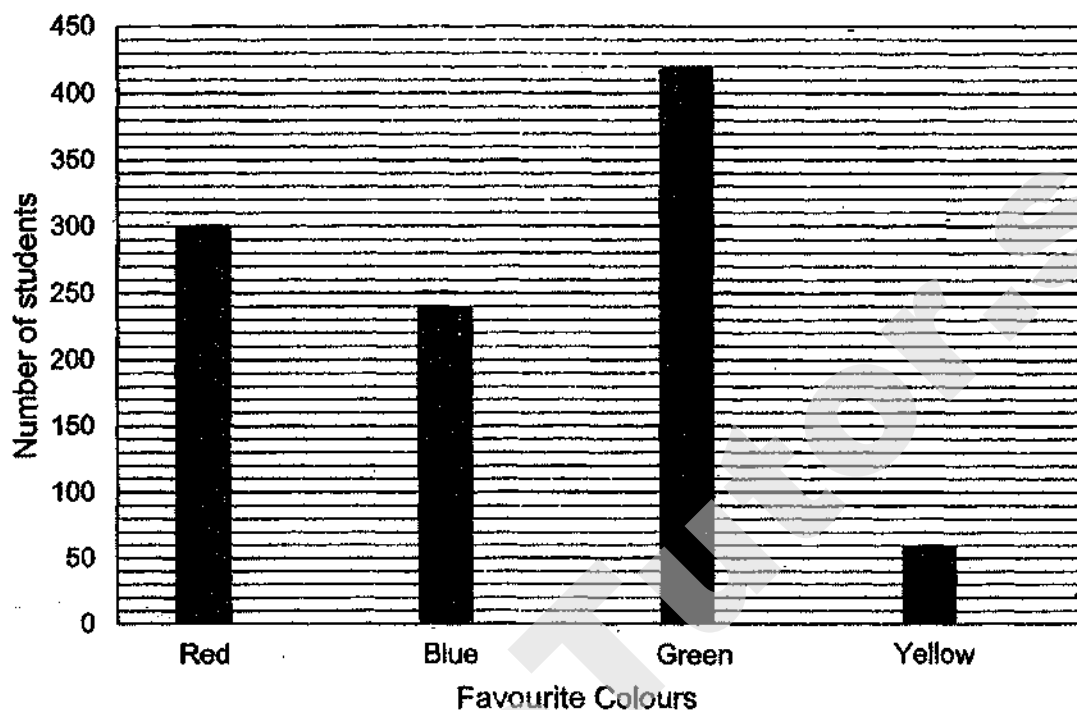
Ans: _____ [3]



(Go on to the next page)

- 9 The bar graph below shows the favourite colours of all the students in a school. Each student was only allowed to choose 1 favourite colour.

Do not
write
in this
space



- (a) What is the ratio of the number of students who chose red to the number who chose blue to the number who chose yellow?
- (b) Mr Tan bought T-shirts for all the students in the school in their favourite colours. The total amount collected from the sales of T-shirts was \$10 710. Given that the cost of each T-shirt was the same, find the cost of each T-shirt.

Ans: (a) _____ [1]

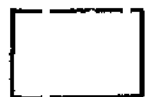
(b) _____ [2]



- 10 744 girls and 1498 boys signed up for a Mathematics competition. On the actual day of the competition, some boys were absent. As a result, the ratio of the number of girls to the number of boys taking part in the competition was 6 : 11. How many boys were absent for the competition?

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write in
this
space

Ans: _____ [4]



- 11 Jake and Kim had a total of \$3139 at first. After Jake spent \$254 and Kim spent \$185, Jake had 4 times as much money as Kim had left. How much money did Jake have at first?

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write in
this
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Ans: _____ [5]



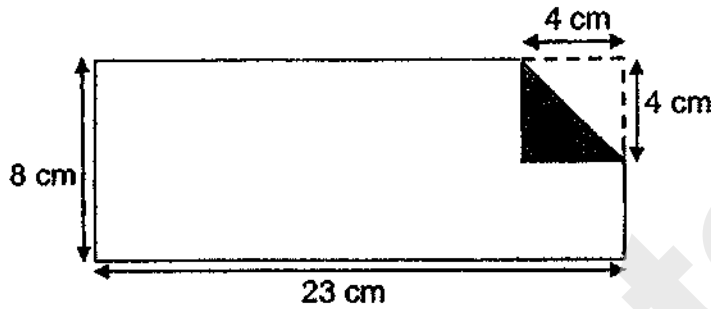
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- 12 The figure below shows a rectangular piece of paper with one of its corners folded.

Do not
write in
this
space

(a) Find the area of the shaded triangle.

(b) The length of the paper is 23 cm and the breadth is 8 cm, how many such triangles can be cut from the piece paper?



Ans: (a) _____ [1]

(b) _____ [4]



- 13 Ali and Ben had 213 stamps. Ali and Clement had 270 stamps. The ratio of the number of stamps Ben had to the number of stamps Clement had was 4 : 7. How many stamps did Ali have?

Do not
write in
this
space

Ans: _____ [3]

- 14 The figure below is made up of 2 squares. Find the area of the shaded part.

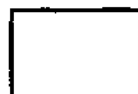


Ans: _____ [3]

15. A baker bought some eggs. She used $\frac{1}{3}$ of the eggs to bake tarts, 92 eggs to bake muffins and $\frac{2}{3}$ of the remaining eggs to bake cupcakes. After that, she still had 36 eggs. How many eggs did the baker buy?

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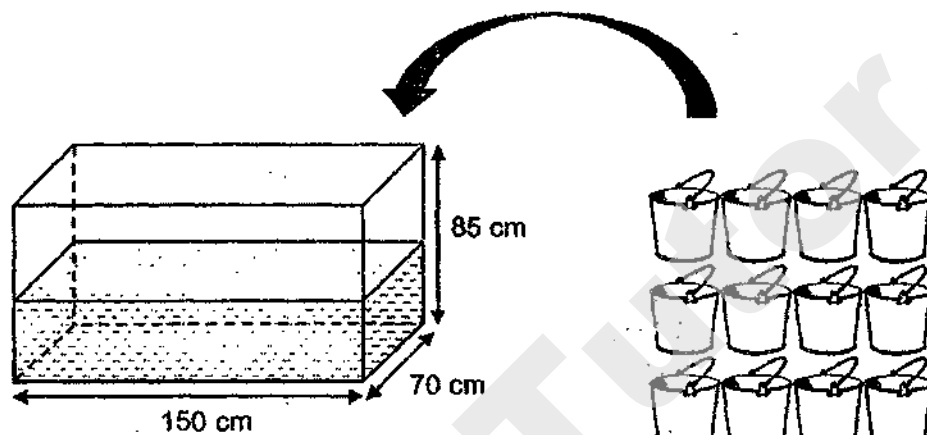
Ans: _____ [4]



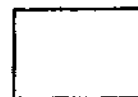
(Go on to the next page)

- 16 A rectangular tank measuring 150 cm by 70 cm by 85 cm high was $\frac{2}{5}$ -filled with water. Mrs Tan poured 12 pails of water, each containing the same volume of water, into the tank. In the end, there was 615 ℓ of water in the tank. What was the volume of water in each pail? Give your answer in litres.






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write in
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Ans: _____ [4]



- 17 Mary uses triangles to form figures that follow a pattern as shown below.

Pattern Number	1	2	3	4	5
Arrangement of triangles					
Number of triangles	1	3	5	7	(a) _____

[1]

- (a) How many triangles are needed to make pattern 5? Write your answer in the box provided.
- (b) How many triangles will there be in pattern 18?
- (c) A figure in the pattern has 65 triangles. What is the pattern number?

Ans: (b) _____ [2]

(c) _____ [2]



End of Paper

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write in
this
space

SCHOOL : HENRY PARK PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA1

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	3	2	3	3	3	2	1	2

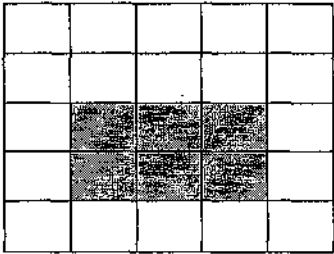
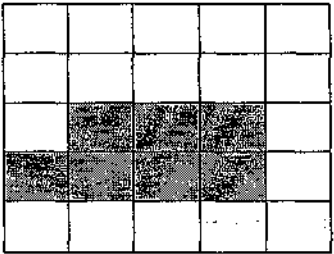
Q 11	Q12	Q13	Q14	Q15
1	4	2	1	3

PAPER 1 BOOKLET B

Q16)	$611899 + 100 = 611999$			
Q17)	$4\frac{2}{5} = 4\frac{4}{10}$ $4\frac{4}{10} + 1\frac{9}{10} = 5\frac{13}{10} = 6\frac{3}{10}$			
Q18)	$\frac{6}{100} = \frac{3}{50}$			
Q19)	$17 - 8 = 9$ $\frac{1}{2} \times 9 \times 8 = 36\text{cm}^2$			
Q20)	$1 \times 1 \times 1 = 1$ $1 \times 1 \times 2 = 2$ $1 \times 1 \times 4 = 4$ $21 + 1 = 22$ $4 \times 5 = 20$ $22 + 2 = 24\text{cm}^3$ $20 + 1 = 21$			
Q21)	$8776 - 2388 = 6388$ $6388 \div 2 = 3194$ $3194 + 2388 = \$5582$			
Q22)	Multiples 4 = 4, 8, 12, 16, 20, 24, 28 Multiples 6 = 6, 12, 18, 24, 30 Ans : 12, 24			
Q23)	$72 \div 4 = 18$ $18 \times 9 = 162$			

Q24)	$3 + 2 + 4 = 9$ $1152 \div 9 = 128$ $128 \times 4 = \$512$
Q25)	$12 \div 3 = 4$ $\frac{1}{2} \times 4 \times 3 = 6\text{cm}^2$
Q26)	$414 \times 6 = 2484$ $2484 \div 4 = 621$
Q27)	a) 12.30 p.m b) 12.15 p.m
Q28)	$25 + 15 = 40$ $40 \div 5 = 8$ $8 \times 8 = \$64$
Q29)	$\frac{1}{4} = \frac{5}{20}$ $\frac{2}{5} = \frac{8}{20}$ $1 - \frac{8}{20} - \frac{5}{20} = \frac{7}{20}$ $200 \div 20 = 10$ $10 \times 7 = 70\text{cm}$
Q30)	$6 \times 8 = 48$ $48 \times 4 = 192$

PAPER 2

Q1)	$885 + 637 = 1522$ $1522 \times 3 = 4566$
Q2)	$1.05 \div 7 = 0.15$ $0.15 \times 4 = 0.6$
Q3)	$550 \times 15 = 8250$ $350 \times 15 = 5250$ $(8250 + 5250) \times 2 = \27000
Q4)	$4315 + (268 \times 2) = \4851
Q5)	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Front View</p> </div> <div style="text-align: center;">  <p>Side View</p> </div> </div>
Q6)	$\frac{3}{5} \times \frac{1}{6} = \frac{3}{30} = \frac{1}{10}$ $\frac{2}{5} \times \frac{3}{4} = \frac{6}{20} = \frac{3}{10}$

	$\frac{1}{10} + \frac{3}{10} = \frac{4}{10} = \frac{2}{5}$
Q7)	$150 + 74 = 224$ $224 \div 4 = 56$ $56 \times 5 = 280$
Q8)	$90^\circ - 21^\circ = 69^\circ$ $90^\circ \div 2 = 45^\circ$ $45^\circ + 69^\circ = 114^\circ$
Q9)	a) $300:240:60 = 5:4:1$ b) $300 + 240 + 420 + 60 = 1020$ $\$10710 \div 1020 = \10.5
Q10)	$744 \div 6 = 124$ $124 \times 11 = 1364$ $1498 - 1364 = 134$
Q11)	$3139 - (185 + 254) = 2700$ $2700 \div 5 = 540$ $540 \times 4 = 2160$ $2160 + 254 = \$2414$
Q12)	a) $\frac{1}{2} \times 4 \times 4 = 8cm^2$ b) $23 \div 4 = 5 R3$ $5 \times 2 = 10$ $10 \times 2 = 20$
Q13)	$270 - 213 = 57$ $57 \div 3 = 19$ $19 \times 4 = 76$ $213 - 76 = 137$
Q14)	$15 + 7 = 22$ $\frac{1}{2} \times 22 \times 7 = 77$ $\frac{1}{2} \times 15 \times 15 = 112.5$ $(15 \times 15) + (7 \times 7) = 274$ $274 - (112.5 + 77) = 84.5cm^2$
Q15)	$36 \times 3 = 108$ $\frac{2}{3} = 108 \div 92 = 200$ $\frac{3}{3} = \frac{200}{2} \times 3 = 300eggs$
Q16)	$(85 \div 5) \times 2 = 34$ $150 \times 70 \times 34 = 357000$ $615l = 615000ml$ $615000 - 357000 = 258000$ $258000 \div 12 = 21500$ $21500ml = 21.5l$

Q17)

a) $5 \times 2 = 10$

$10 - 1 = 9$

b) $18 \times 2 = 36$

$36 - 1 = 35$

c) $65 + 1 = 66$

$66 \div 2 = 33$

SmileTutor.sg

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



MID-YEAR EXAMINATION 2019 PRIMARY 5 MATHEMATICS

PAPER 1 (BOOKLET A)

Total Time for Booklets A and B : 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

The use of calculators is not allowed.

Name: _____ ()

Class: Primary 5. _____

Date: 16 May 2019

Parent's Signature : _____

This booklet consists of 7 printed pages including this page.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

1 The value of the digit 5 in 650 841 is _____.

- (1) 50
- (2) 500
- (3) 5000
- (4) 50 000

2 Find the value of $4 + 5 \times (60 - 30) \div 10$.

- (1) 19
- (2) 27
- (3) 301
- (4) 537

3 A number becomes 60 000 when rounded to the nearest thousand.
Which one of the following could be the number?

- (1) 59 187
- (2) 59 783
- (3) 60 978
- (4) 61 054

4 Which one of the following is not the same as $\frac{4}{9}$?

(1) $4 \div 9$

(2) $\frac{1}{2} \times \frac{8}{9}$

(3) $9 \div 4$

(4) $4 \times \frac{1}{9}$

5 Express $5\frac{3}{7}$ as a decimal correct to 2 decimal places.

(1) 0.37

(2) 5.37

(3) 5.42

(4) 5.43

6 Express $\frac{27}{36}$ in the simplest form.

(1) $\frac{3}{4}$

(2) $\frac{12}{16}$

(3) $\frac{15}{20}$

(4) $\frac{18}{24}$

7 What is the difference between $7\frac{1}{2}$ and $2\frac{3}{4}$?

(1) $4\frac{3}{4}$

(2) $5\frac{1}{4}$

(3) $5\frac{3}{4}$

(4) $10\frac{1}{4}$

8 $\square - \frac{5}{6} = 2\frac{1}{4}$

What is the missing fraction in the box?

(1) $1\frac{1}{12}$

(2) $1\frac{5}{12}$

(3) $2\frac{3}{5}$

(4) $3\frac{1}{12}$

9 Which one of the following is the same as $3 \times \frac{2}{7}$?

(1) $3 \times 2 \times 7$

(2) $3 \times 2 \times \frac{1}{7}$

(3) $\frac{2}{7} \times \frac{2}{7} \times \frac{2}{7}$

(4) $3 \times \frac{2}{7} \times \frac{1}{7}$

10 $18 : 27 = 8 : \boxed{}$

What is the missing number in the box?

- (1) 17
- (2) 2
- (3) 3
- (4) 12

- 11 Ravi and Paul were given a sum of \$56. Ravi received \$32. What was the ratio of Ravi's share to Paul's share?

- (1) 3 : 4
- (2) 4 : 7
- (3) 4 : 3
- (4) 7 : 4

- 12 Cindy bought some cupcakes from a shop. For every 10 cupcakes that Cindy paid, she received another 2 cupcakes free. Cindy had a total of 240 cupcakes from the shop in the end. How many free cupcakes did Cindy receive?

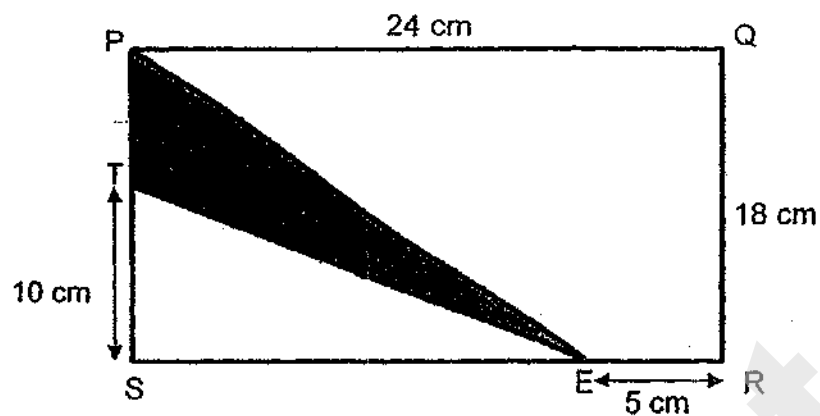
- (1) 20
- (2) 24
- (3) 40
- (4) 48



2 free cupcakes
for every 10
cupcakes bought

- 13 The ratio of Henry's age to his uncle's age is 3 : 5.
Henry is 30 years younger than his uncle. How old is Henry's uncle?
- (1) 18 years old
 - (2) 45 years old
 - (3) 48 years old
 - (4) 75 years old
- 14 Mrs Lim had some money. She used $\frac{1}{5}$ of it to buy a skirt and $\frac{2}{3}$ of the remaining money to buy a bag. What fraction of the money had she left?
- (1) $\frac{2}{15}$
 - (2) $\frac{4}{15}$
 - (3) $\frac{7}{15}$
 - (4) $\frac{8}{15}$

- 15 In the figure below, PQRS is a rectangle and PET is a triangle. Find the area of the shaded triangle.



- (1) 76 cm^2
- (2) 95 cm^2
- (3) 96 cm^2
- (4) 171 cm^2

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



MID-YEAR EXAMINATION 2019 PRIMARY 5 MATHEMATICS

PAPER 1 (BOOKLET B)

Total Time for Booklets A and B : 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of calculators is not allowed.

Name: _____ ()

Class: Primary 5. _____

Date: 16 May 2019

Parent's Signature : _____

Paper 1 Booklet A	/ 20
Paper 1 Booklet B	/ 25
Paper 2	/ 55
TOTAL	/ 100

This booklet consists of 8 printed pages including this page

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write
in this space

16 Write two million, fifty-three thousand and seventeen in figures.

Ans: _____

17 Find the value of 350×6000 .

Ans: _____

18 $\frac{6}{25} \times \frac{5}{9} = \square$

What is the missing fraction in the box? Give your answer in the simplest form.

Ans:

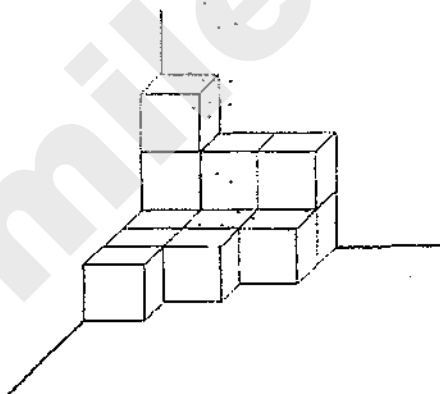
Do not write
in this space

- 19 A dining table has a mass of 31 kg. It is 6 times as heavy as a chair.
What is the mass of the chair in kilograms?

Ans: _____ kg



- 20 The solid shown below is made up of identical 1-cm cubes. The cubes are stacked up on top of one another. What is the volume of the solid?



Ans: _____ cm^3



Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

Do not write
in this space

- 21 A rectangle measures $\frac{12}{5}$ m by $\frac{8}{9}$ m.

What is the area of the rectangle? Give your answer as a mixed number in the simplest form.

Ans: _____ m²

- 22 Mr Loh participated in a 10-km marathon. He ran $4\frac{2}{3}$ km for the first part of the race. What is the distance he would have to run to complete the marathon?

Ans: _____ km

- 23 There are 1632 pupils in Harmony Primary School. $\frac{3}{8}$ of them are boys. $\frac{1}{6}$ of the girls wear spectacles. How many girls wear spectacles?

Ans: _____

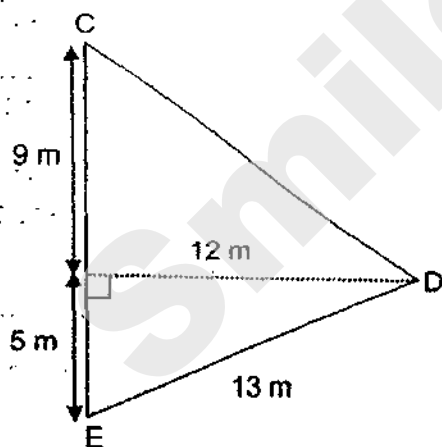
- 24 Ali bought $2\frac{3}{4}$ m of ribbon. A metre of ribbon cost \$8.
How much did he pay for the ribbon?

Do not write
in this space

Ans: \$ _____



- 25 What is the area of triangle CDE as shown in the figure?

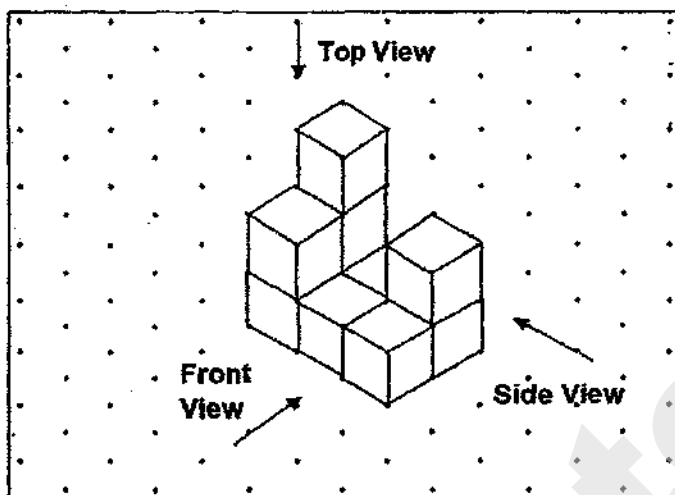


Ans: _____ m²



- 26 The solid below is made up of 10 unit cubes which are glued together as shown below.

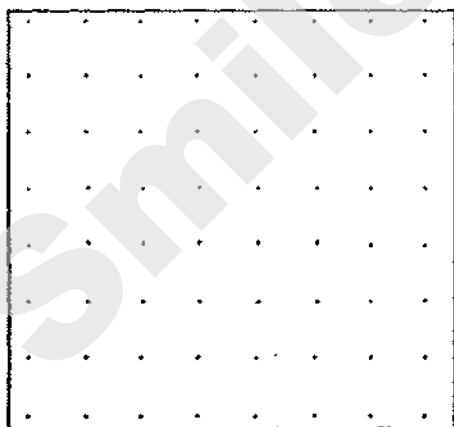
Do not write
in this space



Draw:

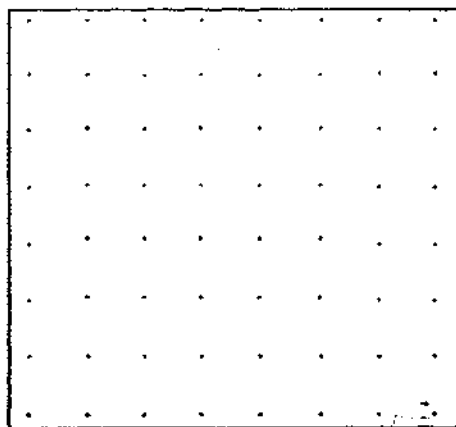
- (a) the top view (seen from the front) of the solid
- (b) the front view of the solid.

(a)



Top View

(b)



Front View



- 27 After spending \$24 on a storybook and \$12 on some pens, Samad had \$4 left. Do not write
Find the ratio of the total amount of money Samad spent on the two items in this space
to the amount of money he had left. Give your answer in its simplest form.

Ans: _____

- 28 Gerald used blue and yellow balloons to decorate a hall. The ratio of the
number of blue balloons to the number of yellow balloons was 5 : 7.
He used 156 balloons altogether. How many more yellow balloons than blue
balloons did Gerald use?

Ans: _____

- 29 At a fruit stall, oranges are sold in packs of four and apples are sold in packs of three. The cost of a pack of oranges is the same as the cost of a pack of apples. Mrs Lee paid \$24 for 12 such apples. What was the cost of a pack of oranges?

Do not write
in this space

Ans: \$ _____

☐

30. A pail weighs 9 kg when it is filled with Liquid X. The same pail weighs 15 kg when it is filled with Liquid Y. Liquid Y is twice as heavy as Liquid X. What is the mass of the pail when it is empty?

Ans: _____ kg

☐

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



MID-YEAR EXAMINATION 2019 PRIMARY 5 MATHEMATICS

PAPER 2

Duration: 1h 30 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

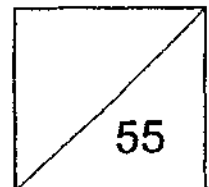
Write your answers in this booklet.

The use of an approved calculator is expected, where appropriate.

Name: _____ ()

Class: Primary 5. _____

Date: 16 May 2019



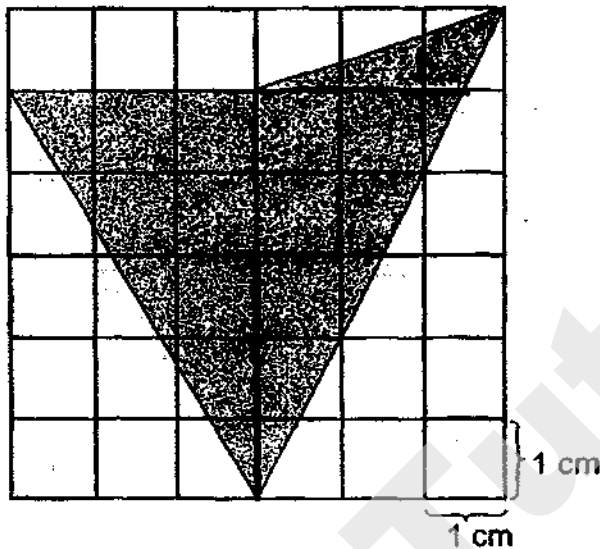
Parent's Signature: _____

This booklet consists of **13** printed pages including this page.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

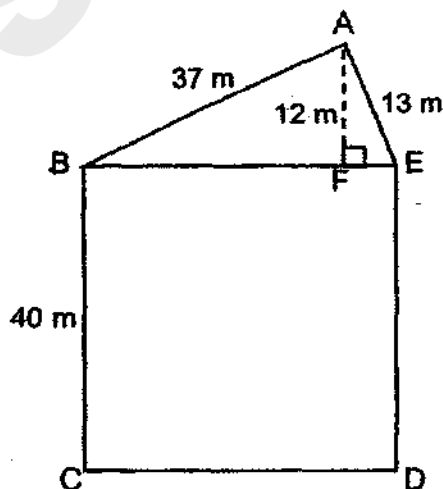
- 1 Find the area of the shaded figure.



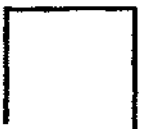
Ans: _____ cm^2



- 2 Figure ABCDE is made up of a square and a triangle. The square has a side of 40 m. $AB = 37$ m, $AE = 13$ m and $AF = 12$ m. What is the area of Figure ABCDE?



Ans: _____ m^2



Do not write
in this space

- 3 There are 235 pupils in Room A and 567 pupils in Room B. A teacher transferred some pupils from Room B to Room A so that both rooms have the same number of pupils. How many pupils were there in each room after the transfer?

Ans: _____

☐

- 4 Janice is 11 years old. Janice's sister is 5 years older than her. In how many years' time will their total age be 35 years old?

Ans: _____

☐

5

$$A \times \frac{5}{6} = B$$

B is an improper fraction greater than 1.

Each statement below is either true, false or not possible to tell from the information given. For each statement, please put a tick (✓) in the correct column.

Statement	True	False	Not Possible To Tell
A is a proper fraction			
B is smaller than A.			

Do not write
in this space



For questions 6 to 17, show your working clearly and write your answers in the space provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

Do not write
in this space

- 6 Ravi has some marbles. If he gives 7 marbles to each of his friends, he will have 4 marbles left. If he gives each of his friends 9 marbles, he will need another 2 more marbles. How many marbles does he have?

Ans: _____ [3]

- 7 Siti, Mary and Jay had some stickers. Siti had 3 times as many stickers as Jay. Siti had 22 more stickers than Mary. Mary and Jay had 58 stickers altogether. How many stickers did Siti have?

Ans: _____ [3]

Do not write
in this space

- 8 There are 3 boxes of books. There are 4 times as many books in Box B as in Box A. There are 138 more books in Box C than in Box B. The number of books in Box A is $\frac{1}{12}$ of the total number of books in the 3 boxes. How many books are there in Box C?

Ans: _____ [3]

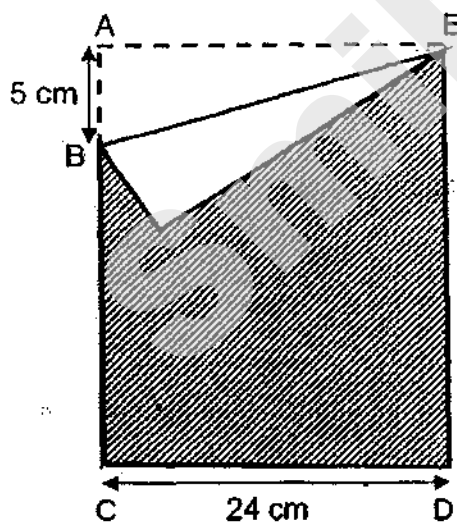
☐

Do not write
in this space

- 9 Anna, Bernice and Cindy shared some stickers in the ratio 5: 4: 7.
Anna and Bernice had 81 stickers altogether. How many stickers did
the three girls share altogether?

Ans: _____ [3]

- 10 The figure below shows a rectangular piece of paper ACDE with an
area of 744 cm^2 . It is folded along EB. What is the area of the shaded
figure?



Ans: _____

- 11 Tom and Zac each had an equal amount of money. Every day, Tom spent \$16 and Zac spent \$28. When Zac had used up all his money, Tom still had \$240 left. How much money did each of them have at first?

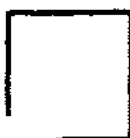
Ans: _____ [4]



- 12 Priscilla bought some files and erasers for \$16. She bought 6 more erasers than files. A file costs 80 cents and an eraser cost 50 cents.
- (a) How many files did Priscilla buy?
- (b) How much did Priscilla pay for the erasers?

Ans: (a) _____ [2]

(b) _____



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in this space

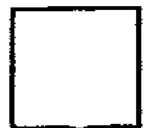
- 13 Mrs Lim bought 10 l of milk. She drank $\frac{5}{8}$ l of it. She used $\frac{1}{3}$ of the remaining milk to make yoghurt.

- (a) How much milk was left after Mrs Lim drank some of it?
(b) How much milk was left in the end?

Give your answers in the simplest form.

Ans: (a) _____ [2]

(b) _____ [2]



Do not write
in this space

- 14 Mrs Chong had some flour. She used $\frac{1}{5}$ of it to bake a cake and $\frac{2}{7}$ of it to make a pizza. She then gave her neighbour 950 g of flour. She was left with 850 g of flour. How much flour did Mrs Chong use to make a pizza? Give your answer in kilograms.

Ans: _____ [4]



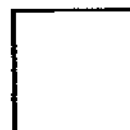
Do not write
in this space

- 15 There were some spectators watching a tennis match.
 $\frac{3}{4}$ of them were men and women. $\frac{5}{6}$ of them were men and
children. 63 spectators were men.

- (a) What fraction of the spectators were men ?
(b) How many spectators were there at the tennis match?

Ans: (a) _____ [2]

(b) _____ [2]



Do not write
in this space

- 16 Zen spent \$255 on a bag and a belt. She wanted to buy another similar bag with the remaining money but was short of \$30. In the end, she bought another similar belt and had \$15 left in the end.
- (a) How much more did the bag cost than the belt?
- (b) How much did the belt cost?

Ans: (a) _____ [2]

(b) _____ [3]



- 17 A tailor spent $\frac{5}{9}$ of her money to buy 90 red buttons. She spent $\frac{7}{12}$ of the remaining money to buy blue buttons. She had \$150 left. A red button cost twice as much as a blue button.

- (a) What was the cost of the red buttons?
(b) What was the cost of one blue button?

Do not write
in this space

Ans: (a) _____ [3]
(b) _____ [2]

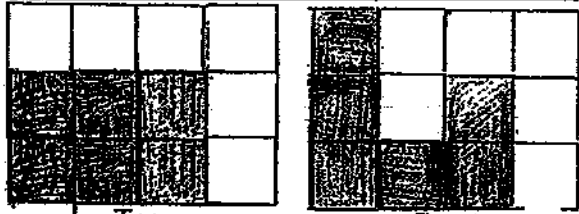


SCHOOL : MGS PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA1

PAPER ONE: BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
4	1	2	3	4	1	1	4
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
2	4	3	3	4	2	1	

PAPER ONE: BOOKLET B

Q16	2 053 017
Q17	2 100 000
Q18	$\frac{2}{15}$
Q19	$5\frac{1}{6}kg$
Q20	$13cm^3$
Q21	$\frac{12}{5} \times \frac{8}{9} = \frac{96}{45} = 2\frac{2}{15}m^2$
Q22	$5\frac{1}{3}km$
Q23	$1 - \frac{3}{8} = \frac{5}{8}$ $1632 \times \frac{5}{8} \times \frac{1}{6} = 170 \text{ girls}$
Q24	$2\frac{3}{4} = \frac{11}{4}$ $\frac{11}{4} \times \$8 = \22
Q25	$\frac{1}{2} \times 12 \times (9 + 5) = 84m^2$
Q26	 <p>Top Front</p>
Q27	$24 + 12 : 4$ $36 : 4$ Ans: 9 : 1

Q28	B : Y : T \rightarrow 5 : 7 : 12 $12u \rightarrow 156$ $1u \rightarrow 156 \div 12 = 13$ $7u - 5u = 2u \rightarrow 13 \times 2 = 26$										
Q29	$12 \div 3 = 4$ $\\$24 \div 4 = \\6										
Q30	<table border="1"> <tr> <td>X</td><td>Pail</td><td>1u</td><td></td></tr> <tr> <td>Y</td><td>Pail</td><td>1u</td><td>1u</td></tr> </table>	X	Pail	1u		Y	Pail	1u	1u	$1u = 15 - 9 = 6$ Pail = $9 - 6 = 3\text{kg}$	
X	Pail	1u									
Y	Pail	1u	1u								

PAPER B:

Q1	$\left[\frac{1}{2} \times 5 \times 3\right] \times 2 = 15\text{cm}^2$
Q2	Area of BCDE = $40 \times 40 = 1600\text{m}^2$ Area of $\triangle ABR = \frac{1}{2} \times 40 \times 12 = 240\text{m}^2$ Total area = $1600 + 240 = 1840\text{m}^2$
Q3	Total pupils $\rightarrow 235 + 567 = 802$ Equally transfer $\rightarrow 802 \div 2 = 401\text{pupils}$
Q4	Total age now $\rightarrow 11 + 11 + 5 = 27$ Total diff $\rightarrow 35 - 27 = 8$ Time to reach total 35 $\rightarrow 8 \div 2 = 4$
Q5	i) False ii) True
Q6	Multiple of 7 $\rightarrow 7 \ 14 \ 21 \ 28 \ 35$ +4 $\rightarrow 11 \ 18 \ \{25\} \ 32 \ 39$ Multiple of 9 $\rightarrow 9 \ 18 \ 27 \ 36 \ 45$ -2 $\rightarrow 7 \ 16 \ \{25\} \ 34 \ 43$ Ans : 25
Q7	Mary + 22 + Jay = Siti + Jay $58 + 22 = \text{Siti} + \text{Jay}$ Siti & Jay $\rightarrow 80 \rightarrow 4u$ $1u = 80 \div 4 = 20$ $3u = 20 \times 3 = 60$

Q8	<table border="1" data-bbox="346 215 841 341"> <tr> <td>A</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>B</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>C</td><td></td><td></td><td></td><td></td><td>138</td></tr> </table> <p> Total 12 unit $12u - 9u = 138$ $3u = 138$ $1u = 138 \div 3 = 46$ $4u + 138 = 4 \times 46 + 138$ $= 322 \text{ books}$ </p>	A						B						C					138
A																			
B																			
C					138														
Q9	<p> $A : B : C : T \rightarrow 5 : 4 : 7 : 16$ $9u \rightarrow 81$ $1u \rightarrow 81 \div 9 = 9$ $16u \rightarrow 9 \times 16 = 144$ </p>																		
Q10	<p> $\left[\frac{1}{2} \times 5 \times 24\right] \times 2 = 120$ $744 - 120 = 624 \text{ cm}^2$ </p>																		
Q11	<p> $28 - 16 = 12$ $240 \div 12 = 20$ $28 \times 20 = \\$560$ </p>																		
Q12	<p> $\\$0.80 + \\$0.50 = \\$1.30$ $6 \times \\$0.50 = \\3 $\\$16.00 - \\$3.00 = \\$13.00$ $\\$13.00 \div \\$1.30 = 10 \text{ sets}$ Ans (a) $\rightarrow 10 \text{ files}$ $10 + 6 = 16$ $16 \times \\$0.50 = \\8 Ans (b) $\rightarrow \\$8$ </p>																		
Q13	<p> (a) $10 - \frac{5}{8} = 9\frac{3}{8} \text{ L}$ (b) $9\frac{3}{8} \times \frac{2}{3} = \frac{75}{8} \times \frac{2}{3} = \frac{25}{4} = 6\frac{1}{4} \text{ L}$ </p>																		
Q14	<p> $\frac{1}{5} + \frac{2}{7} = \frac{7}{35} + \frac{10}{35} = \frac{17}{35}$ $1 - \frac{17}{35} = \frac{18}{35}$ $18u \rightarrow 950 + 850 = 1800 \text{ g}$ $10u \rightarrow 1800 \div 18 \times 10 = 1000 \text{ g}$ $1000 \text{ g} = 1 \text{ kg}$ Answer : 1kg </p>																		

Q15															
	Women				Men						Children				

a) $\frac{7}{12}$

b) $1u \rightarrow 63 \div 7 = 9$
 $9 \times 12 = 108$

Q16

(a) Diff bag and belt $\rightarrow \$30 + \$15 = \$45$

(b) $\$255 - \$45 = \$210$
 $1 \text{ Belt} \rightarrow \$210 \div 2 = \$105$

Q17

Red : Blue : Money $\rightarrow 15 : 7 : 5$

$5u \rightarrow \$150$

$1u \rightarrow \$150 \div 3 = \50

$15u \rightarrow \$50 \times 15 = \450

Ans (a) $\rightarrow \$450$

$\$450 \div 90 = \5.00

Ans (b) $\rightarrow \$5.00 \div 2 = \2.50



**NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2019
PRIMARY 5**

**MATHEMATICS
PAPER 1
(BOOKLET A)**

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1-15.
6. The use of calculators is **NOT** allowed.

Name : _____ ()

Class : 5 _____

Date : 16 May 2019

Parent's Signature : _____

SmileTutor.sg

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carries 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet (OAS)
(20 marks)

1. Round 541.362 to the nearest tenth.

- (1) 540
- (2) 541.4
- (3) 541.36
- (4) 541.462

()

2. Express 0.078 as a fraction.

- (1) $\frac{7}{8}$
- (2) $\frac{78}{100}$
- (3) $\frac{78}{1000}$
- (4) $\frac{780}{1000}$

()

3. Which of the following numbers is the largest?

- (1) 0.34
- (2) 0.33
- (3) 0.325
- (4) 0.315

()

4. $\frac{29}{12} \times \frac{4}{7} = \underline{\hspace{2cm}}$

(1) $\frac{203}{48}$

(2) $\frac{36}{16}$

(3) $\frac{33}{19}$

(4) $\frac{29}{21}$

()

5. The table below shows the number of fruits at a fruit stall.

Oranges	Apples	Watermelons
15	12	6

Find the ratio of the number of apples to the number of oranges to the total number of fruits.

(1) 5 : 4 : 2

(2) 4 : 5 : 11

(3) 11 : 5 : 4

(4) 15 : 12 : 6

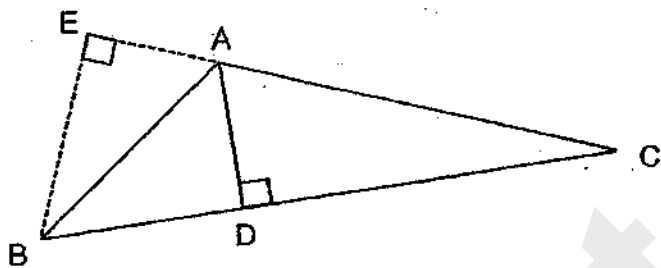
()

3. Which of the following is not an equivalent ratio of 4 : 12?

- (1) 1 : 3
- (2) 2 : 6
- (3) 8 : 36
- (4) 32 : 96

()

7. Find the base of the triangle that is related to the given height EB.

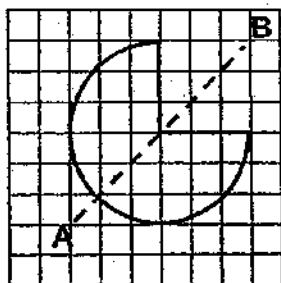


- (1) EC
- (2) BC
- (3) AE
- (4) AC

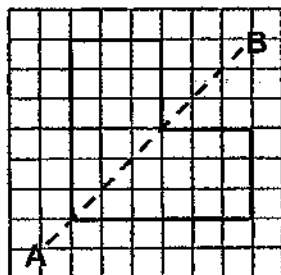
()

8. Which of the following figures does not show AB as the line of symmetry?

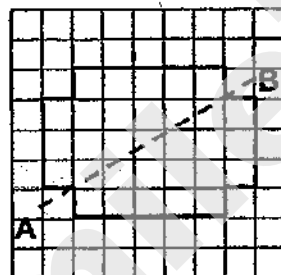
(1)



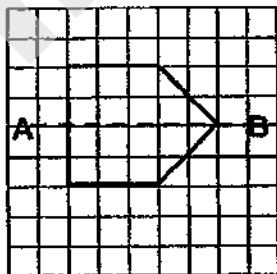
(2)



(3)



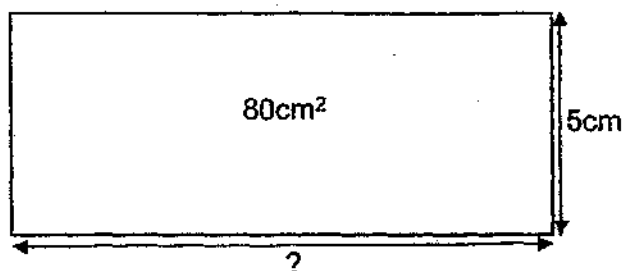
(4)



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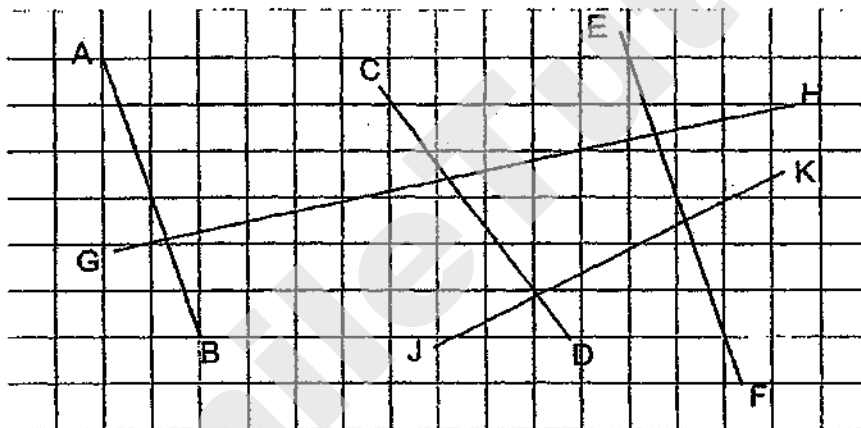
9. The area of a rectangle is 80 cm^2 .

Given that the breadth is 5 cm , what is the length of the rectangle?



- (1) 70 cm
- (2) 35 cm
- (3) 16 cm
- (4) 11 cm

10. Which two lines are parallel to each other?



- (1) GH and JK
- (2) CD and JK
- (3) CD and EF
- (4) AB and EF

11. The first common multiple of 6 and 8 is _____.

- (1) 1
- (2) 2
- (3) 24
- (4) 48

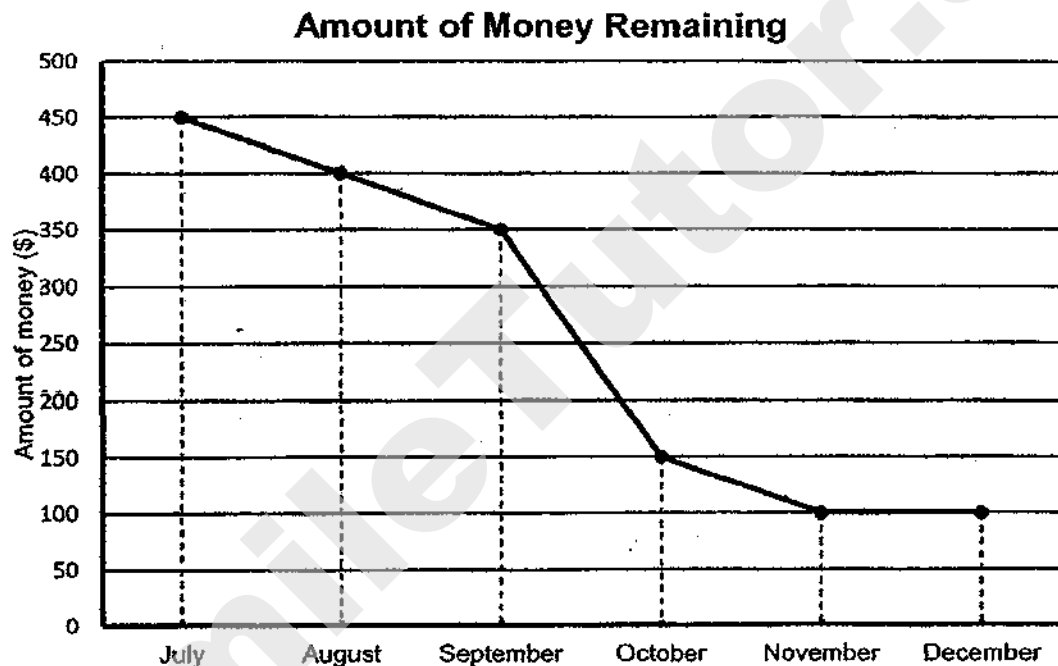
12. Find the value of $27 + 42 \times 8 + 6 \div 2$.

- (1) 555
- (2) 489
- (3) 366
- (4) 279

()

13. John was given \$500 to spend from July to December.

The graph below shows the amount of money John had left at the end of each month.



How much money did John spend in the month of October?

- (1) \$150
- (2) \$200
- (3) \$300
- (4) \$350

()

14. John had 504 boxes of candies. He sold $\frac{7}{9}$ of it.
How many boxes of candies were left?

- (1) 56
- (2) 112
- (3) 392
- (4) 648

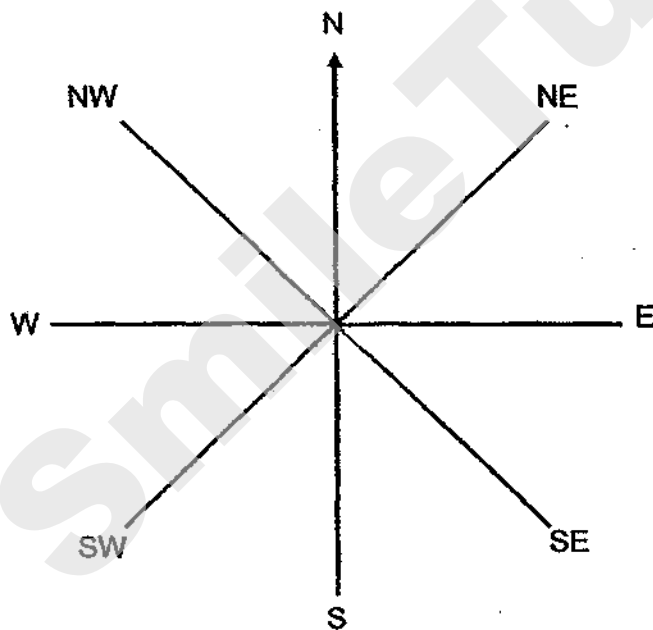
15. The figure shows an 8-point compass.

John made a $\frac{3}{4}$ - turn in the anticlockwise direction.

Then, he turned 135° clockwise.

He faced south-east in the end.

Which direction was he facing at the beginning?



- (1) North
- (2) East
- (3) South
- (4) West



**NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2019
PRIMARY 5**

**MATHEMATICS
PAPER 1
(BOOKLET B)**

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. The use of calculators is **NOT** allowed.

Marks Obtained

Paper 1	Booklet A		/ 45
	Booklet B		
Paper 2			/ 55
Total			/ 100

Name : _____ ()

Class : 5 _____

Date : 16 May 2019

Parent's Signature : _____

Questions 16 to 20 carry 1 mark each. Write your answer in the blanks provided.
For questions which require units, give your answers in the units stated.

(5 marks)

Do not write
in this space

16. Round 43 632 kg to the nearest 1000 kg.

Ans: _____ kg

17. Express 27 : 36 in the simplest form.

Ans: _____

18. Express $\frac{16}{56}$ in the simplest form.

Ans: _____

Subtotal

/ 3

19. Arrange these numbers in order. Begin with the largest number.

26 475	26 547	25 476	25 674
--------	--------	--------	--------

--	--	--	--

Largest

Do not write
in this space

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20. Tom took 14 hours to build a model aeroplane. He started at 8.30 a.m.
What time did he finish building the model aeroplane?

Ans: _____ p.m.

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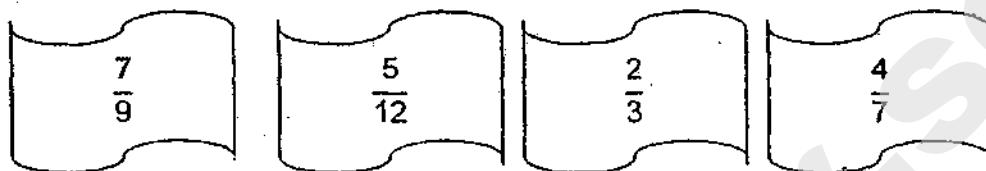
Subtotal	/ 2
----------	-----

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

Do not write
in this space

21. Four fractions are given below. Identify the smallest and largest fractions.



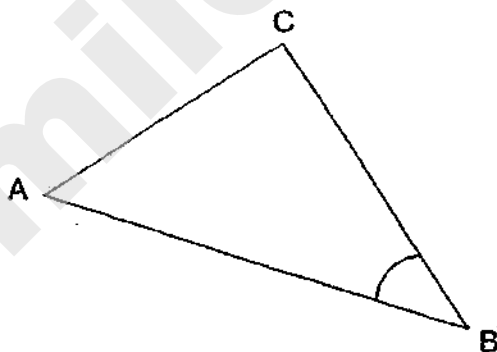
Ans: Smallest _____

Ans: Largest _____

22. The following diagram shows a triangle ABC.

a) Measure the length of the line AB.

b) Measure $\angle ABC$.



Ans: a) _____ cm

b) _____ °

Subtotal

/ 4

23. Kimberly bought 3 ℓ of juice.
She poured all the juice into 8 small bottles equally.
How much juice did each bottle contain?

Do not write
in this space

Ans: _____ ℓ

24. A factory made 348 toys for an event.
26 toys were given out as prizes and the rest were sold at \$8 each.
How much money was collected from the sale of the toys?

Ans: \$ _____

Subtotal

/ 4

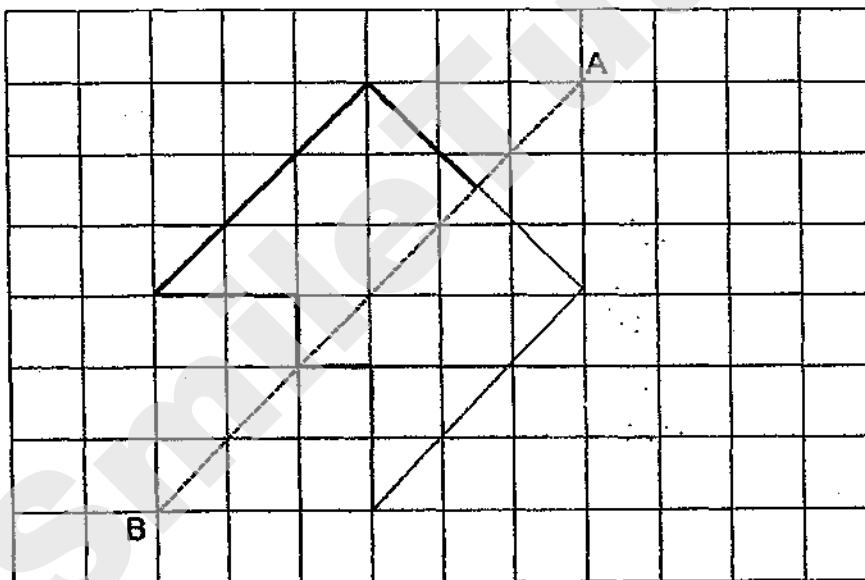
25. What is the missing number in the box?

$$15 : 45 = \boxed{} : 27$$

Ans: _____

Do not write
in this space

26. Complete the symmetric figure below with AB as the line of symmetry.



Subtotal

/ 4

27. Some children participated in a competition and were grouped into 3 teams. They were to clear as many stations as they could and were allowed to clear them in any order.

Only team C managed to clear all the stations.

The table below shows the score each team received at the end of the competition.

Team	Number of stations cleared	Number of points scored
A	6	12
B	5	?
C	9	25

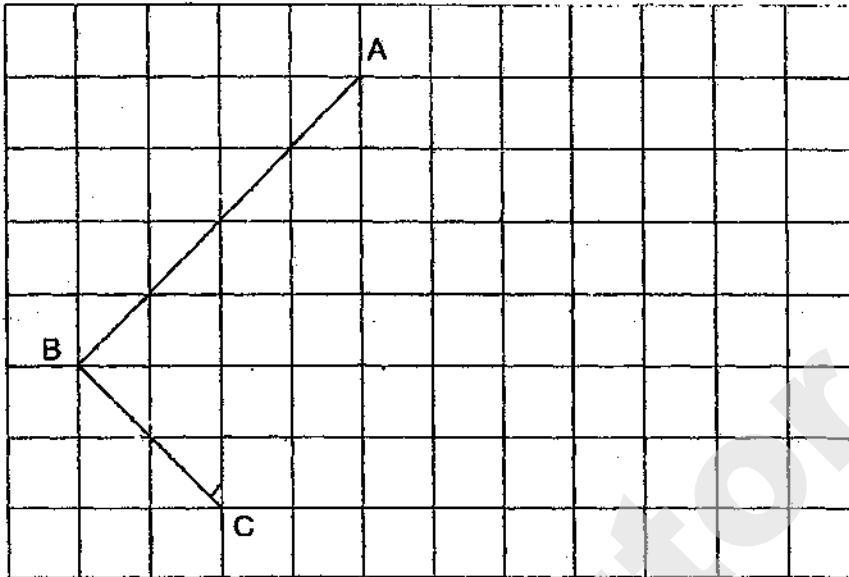
Each of the statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

Statement	True	False	Not possible to tell
There was a total of 20 stations.			
Team B scored fewer points than Team A.			

Subtotal	/ 2
----------	-----

28. Complete the figure below to form a rectangle ABCD.

Do not write
in this space



29. 61 children attended a camp.
Another 11 children decided to join the camp.
The children were then grouped into 9 groups equally.
They were tasked to work in pairs in each group.
How many pairs were there in each group?

Ans: _____

Subtotal

/ 4

Do not write
in this space

30. Sam bought 7 bags of cherries. The mass of cherries in each bag is 2.84 kg.
He found out that 0.62 kg of cherries were spoilt and threw them away.
He split the remaining cherries equally into 2 boxes.
What was the mass of cherries in each box?

Ans: _____ kg

— End of Paper 1 —

Subtotal	/ 2
----------	-----



**NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2019
PRIMARY 5**

**MATHEMATICS
Paper 2**

Total Time for Paper 2: 1 hour 30 minutes

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully
4. Answer all questions.
5. Write your answers in this booklet.
6. The use of an approved calculator is expected, where appropriate.

Marks Obtained

Total	Max Mark
	55

Name : _____ ()

Class : _____

Date : 16 May 2019

Parent's Signature : _____

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

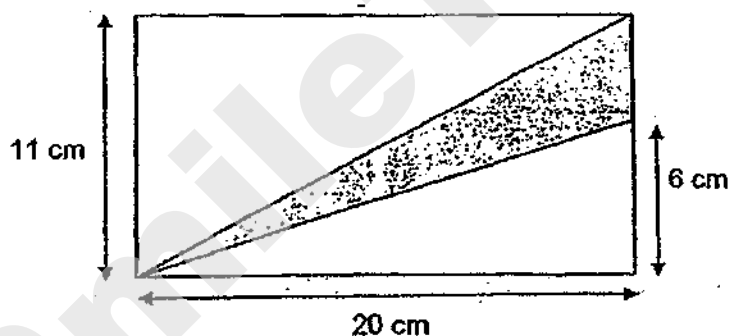
(10 marks)

Do not write
in this space

1. Jason left his house at 10 20 and took 25 min to cycle from his house to the library. He spent 1 h 30 min in the library and left the library. At what time did he leave the library? Give your answer in 24-hour clock.

Ans: _____

2. Find the area of the shaded triangle.



Ans: _____ cm²

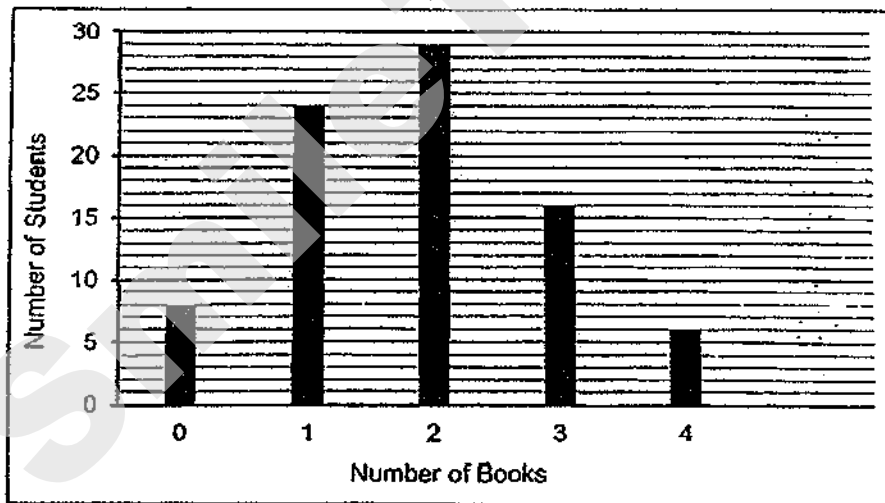
Subtotal	/ 4
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3. Diana had 600 g of flour. She used $\frac{2}{3}$ of the flour to bake a cake and $\frac{1}{4}$ of the flour to bake a tart. How much flour did Diana use altogether?

Do not write
in this space

Ans: _____ g

1. The graph below shows the number of books donated by some Primary 5 students. For students who donated at least 2 books, they were each given 2 bookmarks by the school. How many bookmarks were given altogether to these students?



Ans: _____

Subtotal

/ 4

The table below shows the marks that 3 students scored in a quiz. Use the information below and complete the table.

Do not write
in this space

- (a) Ivan scored a total of 255 marks for all 3 subjects. Find Ivan's Mathematics score.
- (b) Jayden scored the lowest for Science and Ivan scored the highest for Science among the 3 students.
Kenneth's Science score was the highest among his 3 subjects.
Find Kenneth's Science score.

Name	English	Mathematics	Science
Ivan	79	(a) _____	91
Jayden	82	86	85
Kenneth	89	87	(b) _____

For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question.

(45 marks)

Do not write
in this space

6. Lina and Melissa saved a total of \$572. Lina and Nicole saved a total of \$360. Melissa saved three times as much as Nicole. Find Lina's savings.

Ans: _____ [3]

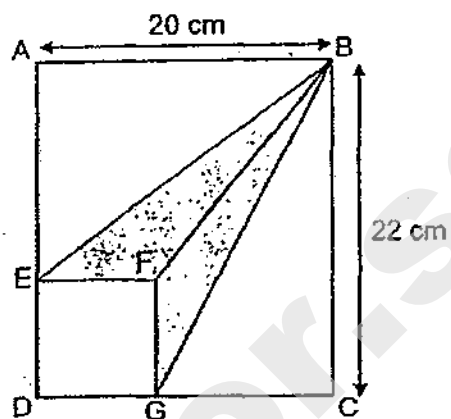
7. Keith bought some game cards. He gave $\frac{3}{5}$ of them to his brother and $\frac{1}{4}$ of the remainder to his cousin. After that, Keith had 54 game cards left. How many game cards did Keith buy?

Ans: _____ [3]

Subtotal	/ 6
----------	-----

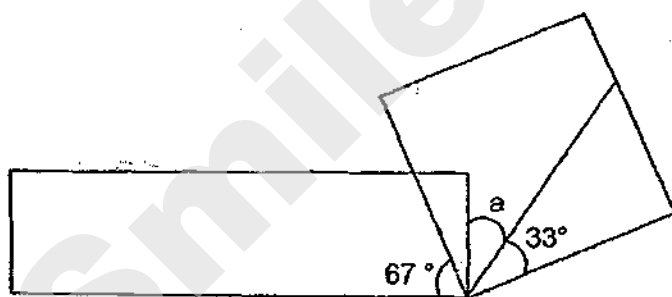
8. In the figure below, ABCD is a rectangle and EFGD is a square with an area of 64 cm^2 . Find the total area of the shaded parts.

Do not write
in this space



Ans: _____ [3]

9. The figure below is made up of a rectangle and a square. Find the value of $\angle a$.



Ans: _____ [3]

Subtotal	/ 6
----------	-----

10. At an exhibition, the ratio of the number of adults to the number of children was 7 : 4. There were 108 more adults than children. After some time, 35 adults and 24 children left the exhibition. How many people remained at the exhibition?

Do not write
in this space

Ans: _____ [3]

11. The total cost of 5 T-shirts and 2 dresses is \$253. The total cost of 3 T-shirts and 6 dresses is \$483. How much does Emily need to pay if she wants to buy 1 T-shirt and 1 dress?

Ans: _____ [4]

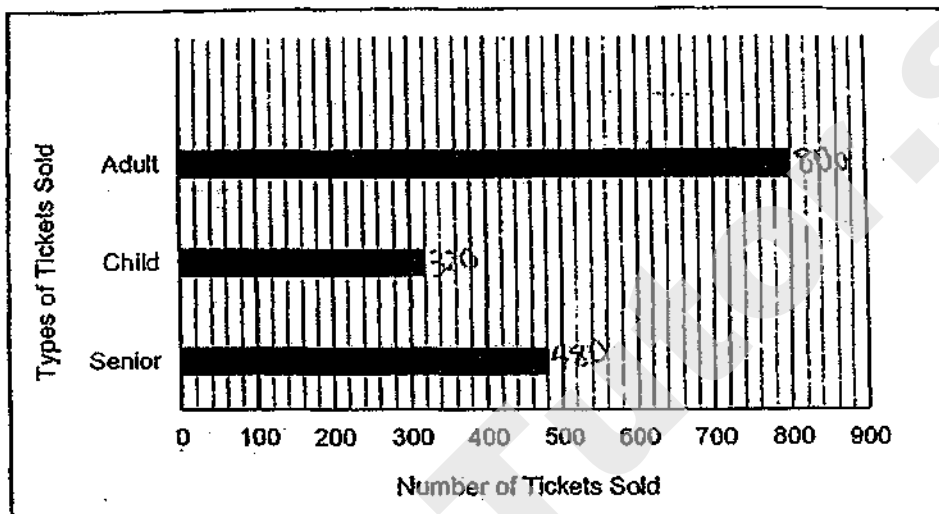
Subtotal	17
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12. The prices of the admission ticket to a museum are shown below.

Ticket Type	Price per person
Adult	\$ 37
Child (Ages 3 – 12 years old)	\$ 25
Senior (Ages 60 years and above)	\$ 17

Do not write
in this space

The bar graph below shows the number of each type of ticket sold on a Sunday.

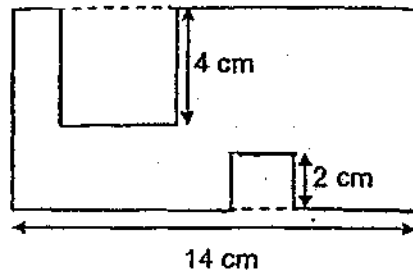


- (a) What fraction of the total number of tickets sold on that Sunday were children tickets? Give your answer in the simplest form.
- (b) What was the total amount collected from the sale of admission tickets on that Sunday?

Ans: a) _____ [2]

b) _____ [2]

13. The figure below shows a rectangular piece of paper with 2 squares cut out. The side of the bigger square is 4 cm and the side of the smaller square is 2 cm. The area of the remaining piece of paper is 78 cm^2 . What is the perimeter of the remaining piece of paper?



Do not write
in this space

Ans: _____ [4]

14. Anna, Betsy and Charlene had a total of 160 marbles. Charlene gave 15 marbles to Betsy. Then, Betsy gave 8 marbles to Anna. In the end, the ratio of the number of marbles that Anna had to the number of marbles that Betsy had to the number of marbles that Charlene had is 2 : 5 : 7. How many marbles did Betsy have at first?

Do not write
in this space

Ans: _____ [4]

15. Mr Tan made some fish balls. He sold $\frac{3}{4}$ of the fish balls in the morning and $\frac{1}{3}$ of the remaining fish balls in the afternoon. He made another 506 fish balls and had twice the number of fish balls he made at first. How many fish balls did he make at first?

Do not write
in this space

Ans: _____ {4}

16. Mrs Chen bought 12 kg of flour and 5 kg of sugar to bake some cakes. To bake each cake, the amount of flour required is 3 times the amount of sugar. After baking 8 cakes, she had 3.16 kg of sugar and some flour left.

Do not write
in this space

- (a) How many kilograms of flour were used to bake one cake?
- (b) How many kilograms of flour were left?

Ans: a) _____ [3]

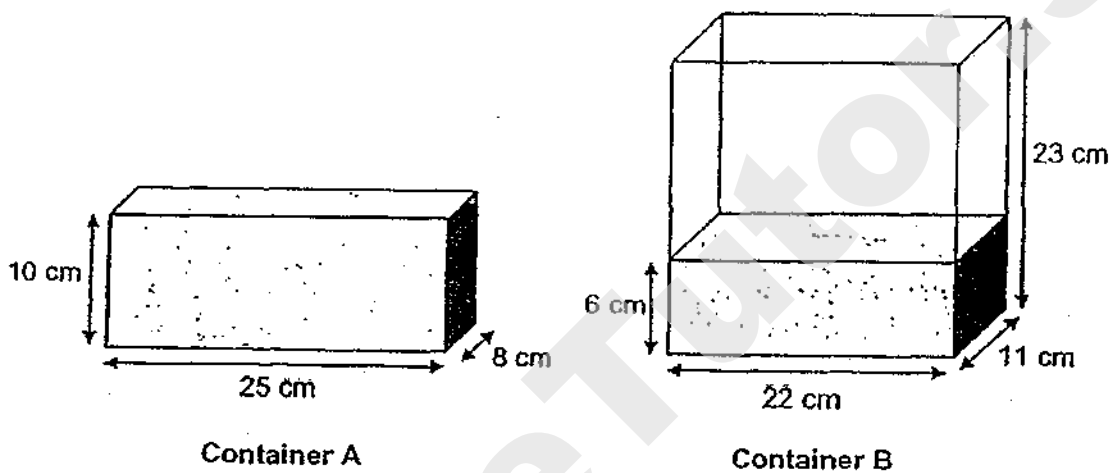
b) _____ [2]



17. Container A is completely filled with water and Container B is filled with some water. Half of the water from Container A is poured into Container B.

Do not write
in this space

- (a) How much water is there in Container B now? Give your answer in millilitres.
- (b) After half of the water was transferred from Container A to Container B, Mr Lim wants to fill Container B with water to the brim. How much more water does he need? Give your answer in litres.



Ans: a) _____ [3]

b) _____ [2]

— End of Paper 2 —

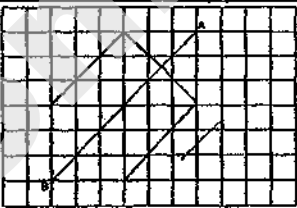
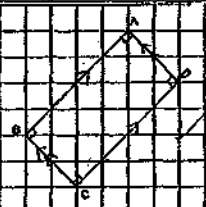


SCHOOL : NAN HUA PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA1

PAPER 1: BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
2	3	1	4	2	3	4	3
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
3	4	3	3	2	2	4	

PAPER 1: BOOKLET B

Q16	44000kg
Q17	3:4
Q18	$\frac{2}{7}$
Q19	26547 \rightarrow 26475 \rightarrow 25674 \rightarrow 25476
Q20	10.30 p.m.
Q21	Smallest: $\frac{5}{12}$ Largest: $\frac{7}{9}$
Q22	(a) 4° (b) 40°
Q23	$3.000\text{L} \div 8 = 0.375\text{L}$
Q24	$348 - 26 = 322$ $322 \times \$8 = \2576
Q25	9
Q26	
Q27	(i) False (ii) Not possible to tell
Q28	
Q29	$61 + 11 = 72$ $72 \div 9 = 8$ $8 \div 2 = 4 \text{ pairs}$

Q30	$7 \times 2.84\text{kg} = 19.88\text{kg}$ $19.88\text{kg} - 0.62\text{kg} = 19.26\text{kg}$ $19.26\text{kg} \div 2 = 9.63\text{kg}$
-----	---

PAPER 2

Q1	$10\ 20 + 00\text{h}25\text{m} + 01\text{h}\ 30\text{m} = 11\text{h}\ 75\text{m}$ $\approx 12\ 15$
Q2	Height of shaded triangle $\rightarrow 11 - 6 = 5\text{cm}$ $\frac{1}{2} \times 20 \times 5 = 50\text{cm}^2$
Q3	$600 \times \frac{2}{3} = 400\text{g}$ (cake used) $600 \times \frac{1}{4} = 150\text{g}$ (tart used) $400 + 150 = 550\text{g}$
Q4	Total students receive bookmarks $\rightarrow 29 + 16 + 6 = 51$ $51 \times 2 = 102$ bookmarks
Q5	(a) $255 - 91 - 79 = 85$ (b) 90
Q6	$2N \rightarrow \$572 - \$360 = \$212$ $N \rightarrow \$212 \div 2 = \106 $L \rightarrow \$360 - \$106 = \$254$
Q7	$\frac{5}{5} - \frac{3}{5} = \frac{2}{5}$ $\frac{2}{5} \times \frac{1}{4} = \frac{1}{10}$ $\frac{1}{10} \times 3 = \frac{3}{10}$ $3u = 54$ $1u = 54 \div 3 = 18$ $10u = 18 \times 10 = 180$
Q8	$64\text{cm}^2 = 8\text{cm} \times 8\text{cm}$ $\angle\text{EFB} \rightarrow \frac{1}{2} \times 8 \times 14 = 56\text{cm}^2$ $\angle\text{FGB} \rightarrow \frac{1}{2} \times 8 \times 12 = 48\text{cm}^2$ $56\text{cm}^2 + 48\text{cm}^2 = 104\text{cm}^2$
Q9	$90^\circ - 67^\circ = 23^\circ$ $90^\circ - 23^\circ - 33^\circ = 34^\circ$
Q10	$7 - 4 = 3u$ $1u \rightarrow 108 \div 3 = 36$ $36 \times 11 = 396$ $396 - 35 - 24 = 337$

Q11	$[5T + 2D = \$253] \times 3$ $[15T + 6D = \$759]$ $[3T + 6D = \$483]$ $12T = 759 - 483 = 276$ $T = 276 \div 12 = \$23$ $3 \times \$23 + 6D = \483 $\$69 + 6D = \483 $6D = \$483 - \$69 = \$414$ $D = \$414 \div 6 = \69 $T + D = \$23 + \$69 = \$92$
Q12	$320 + 480 + 800 = 1600$
(a)	$\frac{320}{1600} = \frac{1}{5}$
(b)	Adult $\rightarrow 800 \times \$37 = \29600 Child $\rightarrow 320 \times \$25 = \8000 Senior $\rightarrow 480 \times \$17 = \8160 $29600 + 8000 + 8160 = \$45760$
Q13	$4 \times 4 = 16\text{cm}^2$ $2 \times 2 = 4\text{cm}^2$ $78 + 16 + 4 = 98\text{cm}^2$ $98 \div 14\text{cm} = 7\text{cm}$ (height of rectangle) $14 + 14 + 7 + 7 + 4 + 4 + 2 + 2$ $= 54\text{cm}$
Q14	$7 + 5 + 2 = 14u$ $1u \rightarrow 168 \div 14 = 12$ In the end Betsy $\rightarrow 12 \times 5 = 60$ $60 + 8 = 68$ $68 - 15 = 53$
Q15	$12u \times 2 = 24u$ $2u + 506 = 24u$ $506 = 24u - 2u = 22u$ $1u = 506 \div 22 = 23$ $12u = 23 \times 12 = 276$ fish balls
Q16	(a) $5 - 3.16 = 1.84\text{kg}$ $1.84 \times 3 = 5.52\text{kg}$ (total kg for 8 cakes) $5.52 \div 8 = 0.69\text{kg}$ (b) $12\text{kg} - 5.52\text{kg} = 6.48\text{kg}$
Q17	(a) Half of Container A $= (10 \times 25 \times 8) \div 2 = 1000\text{cm}^3$ Water in Container B $= 6 \times 22 \times 11 = 1452\text{cm}^3$ Ans: $1000 + 1452 = 2452\text{ml}$ (b) $23 \times 22 \times 11 = 5566\text{ml}$ $5566 - 2452 = 3114$ $3114\text{ml} = 3.114\text{L}$

SmileTutor.sg



NANYANG PRIMARY SCHOOL

**FIRST SEMESTRAL ASSESSMENT
2019**

PRIMARY 5

**MATHEMATICS
PAPER 1
(BOOKLET A)**

Total Duration for Booklets A and B: 1 hour

Additional materials: Optical Answer Sheet (OAS)

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Shade your answers in the Optical Answer Sheet (OAS) provided.
5. The use of calculators is **NOT** allowed.

Name: _____ ()

Class: Primary 5 ()

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.
(20 marks)

1 In 47 186, the digit 7 stands for _____.

- (1) 7 ten thousands
- (2) 7 thousands
- (3) 7 hundreds
- (4) 7 tens

2 Find the value of $26 + (12 - 9 \div 3) \times 4 - 2$.

- (1) 28
- (2) 54
- (3) 60
- (4) 138

3 Express $\frac{7}{20}$ as a decimal.

(1) 0.07

(2) 0.14

(3) 0.28

(4) 0.35

4 $13.798 = 10 + 3 + \frac{7}{10} + \frac{9}{100} + \frac{8}{\square}$

What is the missing number in the \square ?

(1) 10

(2) 100

(3) 1000

(4) 10 000

5 Express 3015 cm in metres.

(1) 3.015 m

(2) 30.15 m

(3) 301.5 m

(4) 301 500 m

6 Express 0.72 as a fraction in its simplest form.

(1) $\frac{3}{4}$

(2) $\frac{18}{25}$

(3) $\frac{36}{50}$

(4) $\frac{72}{100}$

7 Find the value of 20.1×100 .

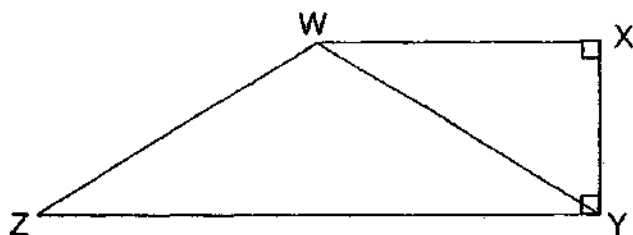
(1) 0.201

(2) 2.01

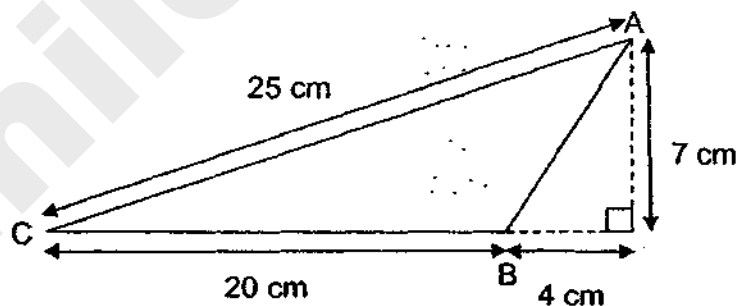
(3) 201

(4) 2010

- 8 The figure below is made up of triangle WYZ and triangle WXY. Given that the base of triangle WYZ is YZ, find its height.



- (1) XY
(2) WX
(3) WY
(4) WZ
- 9 Find the area of triangle ABC.



- (1) 14 cm^2
(2) 70 cm^2
(3) 84 cm^2
(4) 87.5 cm^2

10 Express 4000 ml in cm^3 .

- (1) 4000 cm^3
- (2) 400 cm^3
- (3) 40 cm^3
- (4) 4 cm^3

11 Mr Lee sold 1256 egg tarts in May. He sold 131 more egg tarts in May than in June. How many egg tarts did he sell in both months?

- (1) 1125
- (2) 1387
- (3) 2381
- (4) 2643

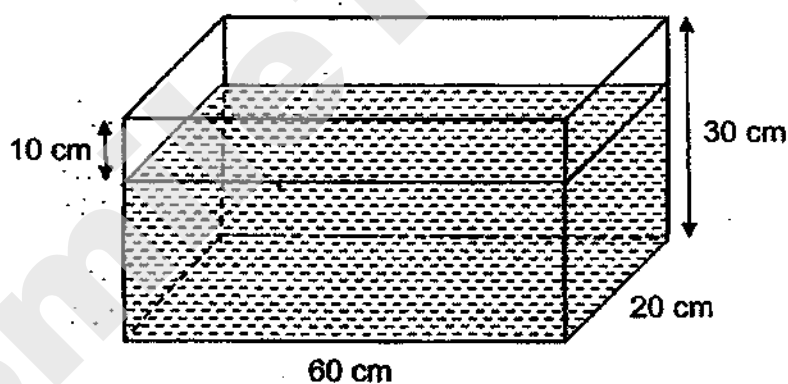
12 A total of \$320 000 was collected by a school during a fund-raising campaign. There were 10 classes in the school and there were 20 pupils in each class. Each pupil in the school collected the same amount of money. How much money was collected from each pupil?

- (1) \$1600
- (2) \$3200
- (3) \$16 000
- (4) \$32 000

- 13 The total mass of 3 identical tennis balls and 4 identical golf balls is 0.352 kg. The total mass of 3 such tennis balls and 3 such golf balls is 0.306 kg. What is the mass of 1 golf ball?

- (1) 0.046 kg
- (2) 0.054 kg
- (3) 0.056 kg
- (4) 0.094 kg

- 14 A rectangular tank measuring 60 cm by 20 cm by 30 cm contains some water as shown below.



Find the volume of water in the tank.

- (1) 12 000 cm³
- (2) 24 000 cm³
- (3) 36 600 cm³
- (4) 48 000 cm³

- 15 There were 216 pupils in a school hall. $\frac{1}{3}$ of the pupils wore spectacles.
 $\frac{5}{6}$ of the pupils who wore spectacles were boys. How many boys wore spectacles?

- (1) 12
(2) 60
(3) 72
(4) 180



NANYANG PRIMARY SCHOOL

**FIRST SEMESTRAL ASSESSMENT
2019**

**PRIMARY 5
MATHEMATICS
PAPER 1
(BOOKLET B)**

Total Duration for Booklets A and B: 1 hour

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Write your answers in this booklet.
5. The use of calculators is **NOT** allowed.

Name: _____ ()

Class: Primary 5 ()

Booklet B

/ 25

Any query on marks awarded should be raised by 24 May 2019. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

- 16 Write three million, four hundred and two thousand and five hundred in numerals.

Ans: _____

- 17 What is the value of $2 \times 12 + 15 \div 3 - 2$?

Ans: _____

- 18 What is the value of $16.84 + 4$?

Ans: _____

- 19 Find the product of $\frac{7}{8}$ and $\frac{4}{7}$

Express your answer as a fraction in its simplest form.

Ans: _____

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

- 21 Jun Xi took 45 min to travel from his house to his school. He left his house at 06 45. What time did he reach his school? Express your answer in 24-hour clock.

Ans: _____

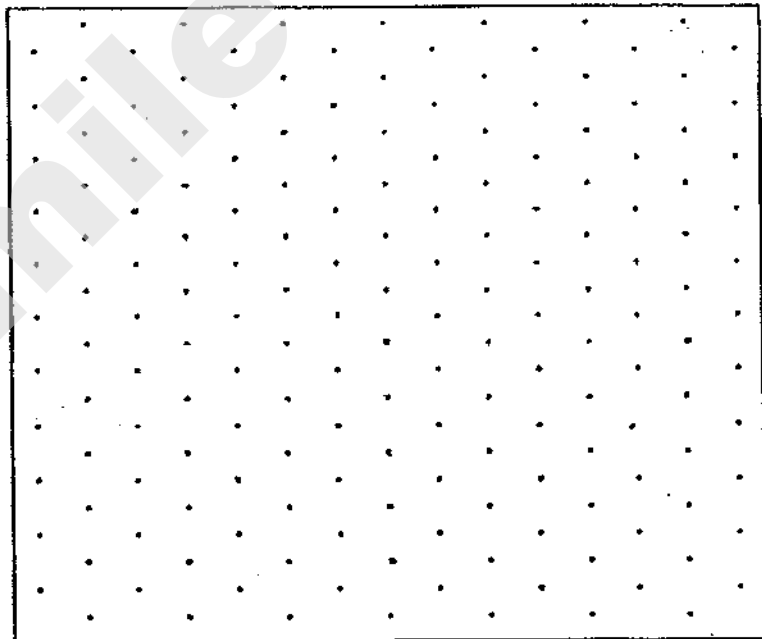
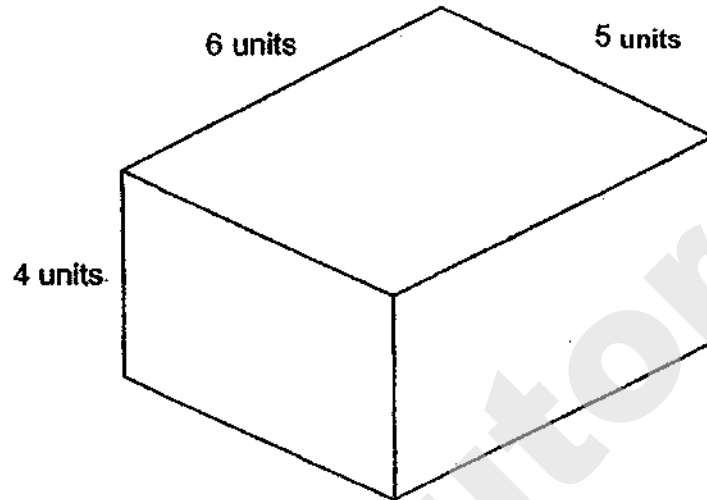
- 22 10 identical chocolate bars were shared equally among 12 children. What fraction of a chocolate bar did each child get?

Ans: _____

- 23 At a plantation, there are 40 rows of banana plants. There are 150 banana plants in each row. How many banana plants are there at the plantation?

Ans: _____

- 20 Draw the solid shown below on the given isometric grid.



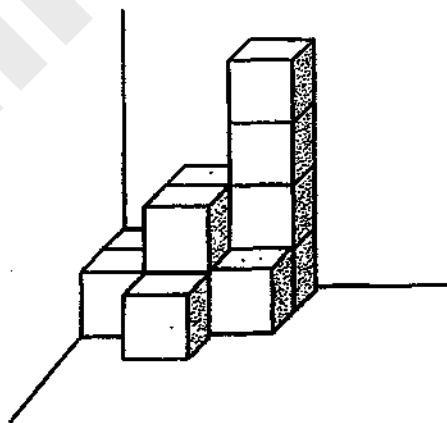
- 24 A number when rounded to the nearest hundred is 9700. What is the smallest possible value of the number?

Ans: _____

- 25 The total mass of 50 identical marbles is 0.65 kg. What is the mass of a marble?

Ans: _____ kg

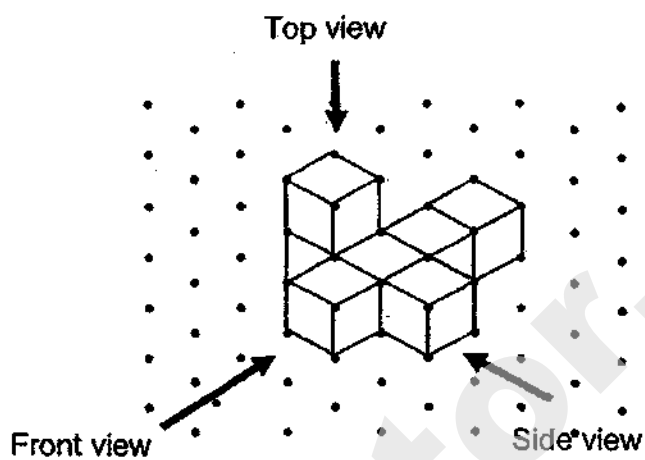
- 26 The solid below is built using unit cubes.



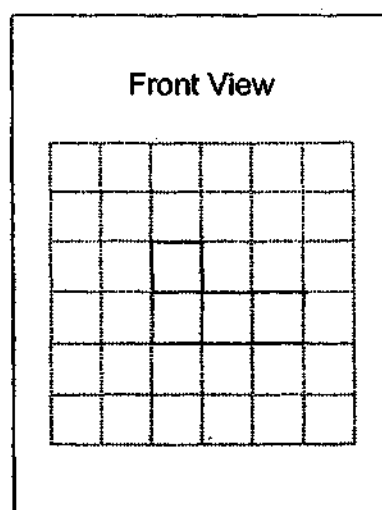
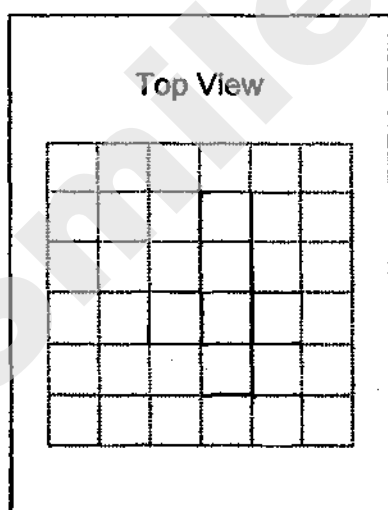
How many unit cubes are used to build the solid?

Ans: _____

- 27 The solid below is built using unit cubes.



Draw the top view and front view of the solid on the square grids provided below.



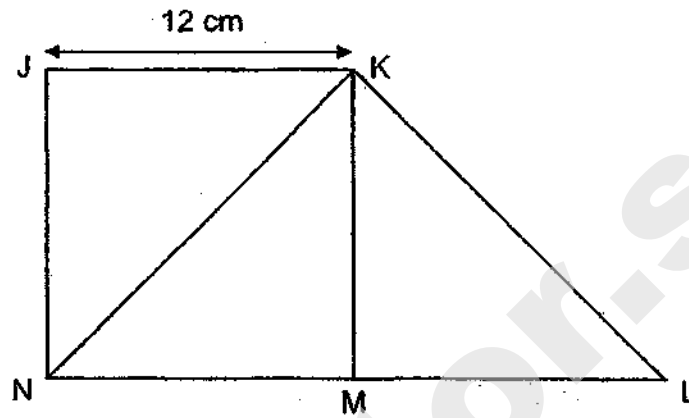
- 28 A beaker is $\frac{1}{3}$ -filled with water at first. After pouring 360 ml of water into the beaker, the beaker is $\frac{1}{2}$ -filled with water. What is the capacity of the beaker? Give your answer in litres.

Ans: _____ l

- 29 Polly had equal lengths of orange and green ropes. After using 18.5 m of orange rope and 35.5 m of green rope, the length of the remaining orange rope was 5 times the length of the remaining green rope. What was the length of the remaining green rope?

Ans: _____ m

- 30 The figure below is made up of a square and a triangle. JKMN is a square. KLN is a triangle. LMN is a straight line. Given that $JK = 12$ cm and LN is twice as long as JK, what is the area of the figure?



Ans: _____ cm²

End of Paper



NANYANG PRIMARY SCHOOL

**FIRST SEMESTRAL ASSESSMENT
2019**

PRIMARY 5

**MATHEMATICS
PAPER 2**

Duration: 1 hour 30 minutes

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Write your answers in this booklet.
5. The use of an approved calculator is expected, where appropriate.

Name: _____ ()

Class: Primary 5 ()

Parent's Signature: _____

Booklet A	/ 20
Booklet B	/ 25
Paper 2	/ 55
Total	/ 100

Any query on marks awarded should be raised by 24 May 2019. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

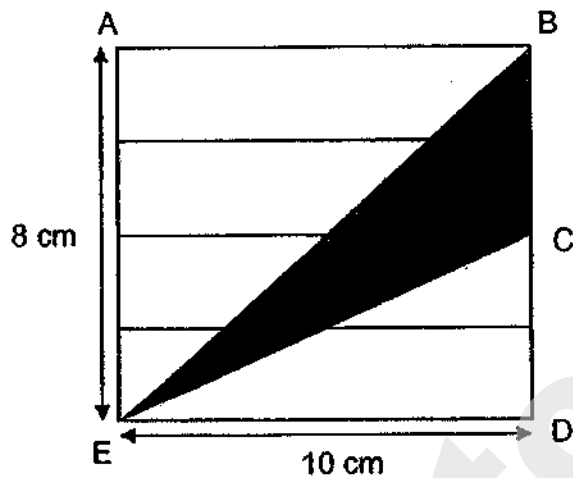
- 1 There were 648 adults at a stadium. $\frac{4}{9}$ of the adults were men. How many men were there at the stadium?

Ans: _____

- 2 The masses of John, Gregory and Ethan are $38\frac{1}{5}$ kg, $41\frac{1}{3}$ kg and $52\frac{1}{4}$ kg respectively. Find the total mass of the 3 children. Give your answer as a mixed number in its simplest form.

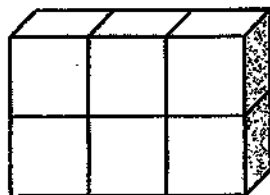
Ans: _____ kg

- 3 ABDE is a rectangle which is made up of 4 smaller identical rectangles. BCE is a shaded triangle. The length of BC is half that of AE. DE is 10 cm and AE is 8 cm. Find the total area of the unshaded parts.



Ans: _____ cm^2

- 4 The solid below is made up of 6 identical cubes of edge 5 cm. What is the volume of the solid?



Ans: _____ cm^3

- 5 The mass of a glass bottle filled with 10 identical erasers is 1200 g. The mass of the same bottle when filled with 6 such erasers is 1040 g. What is the mass of each eraser?

Ans: _____ g

For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

- 6 The breadth of a rectangle is $\frac{37}{4}$ cm. Its length is $\frac{7}{2}$ cm longer than its breadth.

- (a) What is the length of the rectangle? Express your answer as an improper fraction.
- (b) What is the area of the rectangle? Express your answer as a mixed number in its simplest form.

Ans: (a) _____ [1]

(b) _____ [2]

- 7 Mr Wang bought $2\frac{1}{4}$ kg of green beans and 3 times as much red beans as green beans. The cost of 1 kg of green beans was \$4 and the cost of 1 kg of red beans was \$5. What was the total amount of money Mr Wang spent on the green beans and red beans?

Ans: _____ [3]

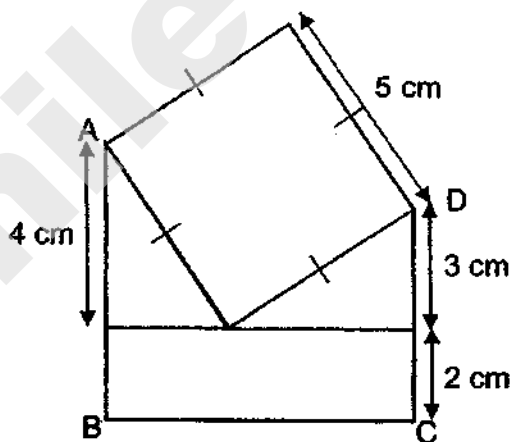
- 8 There is a total of 8.4 kg of salt in 3 containers, X, Y and Z altogether. 0.4 kg of salt is moved from container X to container Y and 1.5 kg of salt is moved from container Z to container Y. In the end, there is an equal amount of salt in each container.

- (a) How much salt is there in each container in the end?
- (b) How much salt is there in container Y at first?

Ans: (a) _____ [1]

(b) _____ [2]

- 9 The following figure is made up of a square, a rectangle and 2 identical triangles. AB and CD are straight lines.

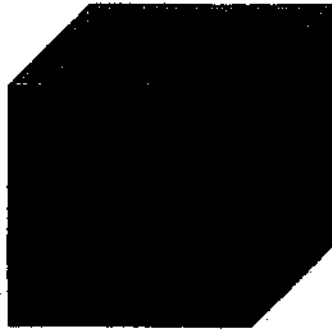


- (a) What is the length of the rectangle?
- (b) What is the area of the figure?

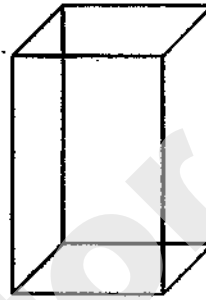
Ans: (a) _____ [1]

(b) _____ [2]

- 10 Tank A, a cubical tank of edge 13 cm, was completely filled with water. Water was then poured from Tank A to an empty Tank B measuring 9 cm long by 11 cm wide by 13 cm high until Tank B was filled to its brim. How much water was left in Tank A?



Tank A



Tank B

Ans: _____ [3]

- 11 George has some red, blue and green stickers. $\frac{4}{9}$ of the stickers are red. $\frac{2}{5}$ of the remaining stickers are blue and the rest are green. The number of green stickers is 36 fewer than the number of red stickers.

- (a) What fraction of the stickers are green?
(b) How many stickers does George have?

Ans: (a) _____ [2]

(b) _____ [2]

- 12 Sri and Devi had a total of 2160 g of flour at first. Sri used twice as much flour as Devi. Devi had twice as much flour left as Sri. The mass of flour that Devi had left was 60 g more than what she had used. How much flour did Sri have at first?

Ans: _____ [4]

- 13** Kay had a total of 13 two-dollar, five-dollar and ten-dollar notes. The total value of the 13 notes was \$89. He then used all his ten-dollar notes to pay for a toy car.


(a) How many five-dollar notes did Kay have?

(b) How much did he pay for the toy car?

Ans: (a) _____ [3]

(b) _____ [1]

- 14 During a sale, cooking pots and frying pans were sold at the prices shown in the table below.

Cooking pot

Buy 1 at \$810.90
Buy 2 or more at \$800 each

Frying pan

Buy 1 at \$640
Buy 2 or more at \$630.50 each

- a) Naomi bought 1 cooking pot and 4 frying pans during the sale. What was the smallest amount of money she paid?
- (b) Zechariah had \$3000. What was the greatest number of cooking pots he could buy with \$3000?

Ans: (a) _____ [2]

(b) _____ [2]

- 15 In a chocolate shop, $\frac{3}{4}$ of the chocolates were white chocolates and the rest were dark chocolates. $\frac{1}{6}$ of the dark chocolates were sold. There were 75 pieces of dark chocolate left. How many pieces of chocolate were there in the shop at first?

Ans: _____ [4]

- 16 Jiemin has some orange juice. If he fills 20 identical cups with the orange juice, he will have 600 ml of the orange juice left. If he tries to fill 6 identical jugs with the orange juice instead, he will be short of 400 ml of the orange juice. The capacity of a jug is the same as that of 4 such cups.

- (a) What is the capacity of a jug?
- (b) How much orange juice does Jiemin have?

Ans: (a) _____ [3]

(b) _____ [2]

- 17 Mrs Kwek bought a total of 576 red, blue and yellow buttons. $\frac{3}{4}$ of the buttons were red and blue buttons. $\frac{2}{3}$ of the buttons were blue and yellow buttons.

- (a) What fraction of the buttons were red?
- (b) Find the difference between the number of blue buttons and the number of yellow buttons.

Ans: (a) _____ [2]

(b) _____ [3]

End of Paper



NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL ASSESSMENT 2019

PRIMARY 5

MATHEMATICS
PAPER 1
(BOOKLET A)

Total Duration for Booklets A and B: 1 hour
Materials: Optical Answer Sheet (OAS)

BOOKLET A

Write over this page until you are told to do so.
All responses must be written in the Optical Answer Sheet (OAS) provided.
Your answers in the Optical Answer Sheet (OAS) provided.
No calculator is NOT allowed.

Very Best ()

Express 0.22 as a fraction in its simplest form.

$$\frac{2}{10} = \frac{1}{5}$$

(2)

Find the value of x .

$$20 \times 10 = 200$$

(4)

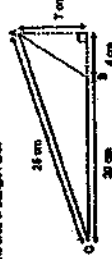
The figure below is made up of triangle WYZ and triangle WXY. Given that the base of triangle WYZ is 12 cm. Find its height.



- (1) XY
- (2) WY
- (3) WZ
- (4) WZ

(1)

Find the area of triangle ABC.



- (1) 14 cm²
- (2) 70 cm²
- (3) 84 cm²
- (4) 97.5 cm²

$$\frac{1}{2} \times 20 \times 7 = 70$$

(2)

Questions 1 to 9 carry 1 mark each. Questions 10 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and supply your answer on the Optical Answer Sheet.

1 In $\frac{1}{2}$ litre, the 400 g stands for _____

- (1) 7 litres
- (2) 7 thousands
- (3) 7 hundreds
- (4) 7 tens

(2)

2 Find the value of $20 \times (12 - 8 - 3) \div 4 = 2$.

- (1) 28
- (2) 64
- (3) 60
- (4) 158

$$\begin{aligned} 28 + (12 - 8) \times 4 - 2 \\ = 28 + 4 \times 4 - 2 \\ = 28 + 16 - 2 \\ = 62 - 2 \\ = 60 \end{aligned}$$

(3)

10 Express 4000 ml in m³.

- (1) 4000 m³
- (2) 400 m³
- (3) 40 m³
- (4) 4 m³

(1)

11 Mr Lee sold 1200 eggs last in May. He sold 150 more eggs last in May than in June. How many eggs did he sell in June?

$$\begin{aligned} 1200 - 150 &= 1050 \\ 1050 + 1200 &= 2250 \end{aligned}$$

(3)

12 A total of 220 000 was collected by a school during a fund-raising campaign. There were 10 classes in the school and there were 20 pupils in each class. Each pupil in the school collected the same amount of money. How much money was collected from each pupil?

$$\begin{aligned} 220000 \div 10 &= 22000 \\ 22000 \div 20 &= 1100 \end{aligned}$$

(1)

3 Express $\frac{7}{20}$ as a decimal.

- (1) 0.35
- (2) 0.14
- (3) 0.28
- (4) 0.36

$$\frac{7 \times 5}{20 \times 5} = \frac{35}{100} = 0.35$$

(4)

4 $12.75 \times 10 = 3 \times \frac{7}{10} + \frac{9}{100} + \square$
What is the missing number in the \square ?

- (1) 10
- (2) 100
- (3) 1000
- (4) 10 000

(3)

5 Express 3015 cm in metres.

- (1) 3.015 m
- (2) 30.15 m
- (3) 301.5 m
- (4) 301 500 m

$$3015 \div 100 = 30.15$$

(2)

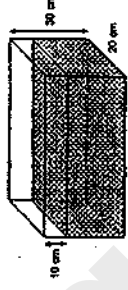
13 The total mass of 3 identical metal balls and 4 identical golf balls is 0.352 kg. The total mass of 3 such metal balls and 5 such golf balls is 0.328 kg. What is the mass of 1 golf ball?

- (1) 0.048 kg
- (2) 0.064 kg
- (3) 0.036 kg
- (4) 0.094 kg

$$0.352 - 0.306 = 0.046$$

(1)

14 A rectangular tank measuring 40 cm by 20 cm by 20 cm contains some water as shown below.



$$30 - 10 = 20$$

$$60 \times 20 \times 20 = 24000$$

- (1) 12 000 cm³
- (2) 24 000 cm³
- (3) 36 000 cm³
- (4) 48 000 cm³

(2)

16 There were 210 pupils in a school last year. $\frac{1}{3}$ of the pupils were specialists. $\frac{2}{5}$ of the pupils who were specialists were boys. How many 2022 were specialists?

(1) 12
(2) 60
(3) 72
(4) 180

$$\frac{1}{3} \times 210 = 72$$

$$\frac{2}{5} \times 72 = 60$$

$$(2)$$

Questions 18 to 20 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in (a) marks

18 Write three million, four hundred and two thousand and five hundred in numerals.

Ans: 3 402 500

17 What is the value of $2 \times (12 + 18 + 3 - 2)$?

$$2 \times (12 + 18 + 3 - 2)$$

$$= 24 + 36 - 2$$

$$= 60 - 2$$

$$= 58$$

Ans: 58

16 What is the value of $10.84 + 4.7$?

$$\begin{array}{r} 10.84 \\ + 4.7 \\ \hline 15.54 \end{array}$$

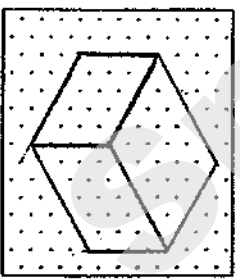
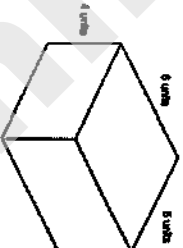
Ans: 15.54

19 Find the product of $\frac{2}{3}$ and $\frac{1}{2}$. Express your answer as a fraction in its simplest form.

$$\frac{2}{3} \times \frac{1}{2} = \frac{1}{3}$$

Ans: $\frac{1}{3}$

20 Observe the solid shown below and the given measurements.



INSTRUCTIONS TO PUPILS

- Do not turn over this page until you are told to do so.
- Write all answers clearly.
- Answer all questions.
- Write your answers in the booklet.
- The time of completion is 1 hour.

NAME: _____

Class: Primary 5 ()

Booklet is: 1/25

First Semestral Assessment 2019

PRIMARY 5

MATHEMATICS

PAPER 1

(BOOKLET B)

Any queries about the booklet should be raised by 22 June 2019. You must bring your queries to the attention of the teacher at any time in the construction of the booklet to design in the booklet of the booklet.

Questions 21 to 23 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units asked.

21 Jan 21 took 45 min to travel from his house to the school. He left his house at 07:45. What time did he reach the school? Express your answer in 24-hour clock.

$$\begin{array}{r} 45 \text{ min} \\ 07:45 \\ + 45 \text{ min} \\ \hline 08:30 \end{array}$$

Ans: 08:30

22 10 identical chocolate bars were shared equally among 12 children. What fraction of a chocolate bar did each child get?

$$10 \div 12 = \frac{10}{12}$$

$$= \frac{5}{6}$$

Ans: $\frac{5}{6}$

23 At a gymnasium, there are 40 rows of basketball hoops. There are 150 basketball hoops in each row. How many basketball hoops are there in the gymnasium?

$$40 \times 150 = 6000$$

Ans: 6000

A number when rounded to the nearest hundred is 9700. What is the smallest possible value of the number?

$$9650 \approx 9700$$

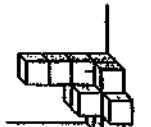
Ans: 9650

The total mass of 50 identical marbles is 0.65 kg. What is the mass of 1 marble?

$$0.65 \div 50 = 0.013 \text{ kg}$$

Ans: 0.013 kg

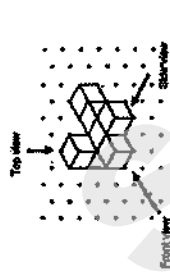
The solid below is built using unit cubes.



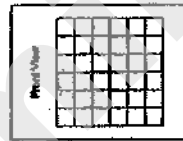
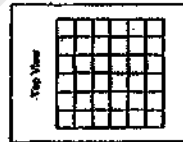
How many unit cubes are used to build the solid?

Ans: 12

27 The solid below is built using unit cubes.



Draw the top view and front view of the solid on the square grids provided below.



28 A bucket is $\frac{1}{3}$ full with water at first. After pouring 360 ml of water into the bucket, the bucket is $\frac{2}{3}$ full with water. What is the capacity of the bucket? Give your answer in litres.

$$\frac{1}{3} - \frac{1}{3} = \frac{1}{3}$$

$$\frac{1}{3} \rightarrow 360$$

$$\frac{2}{3} \rightarrow 720 \text{ ml}$$

$$720 \text{ ml} = 0.72 \text{ L}$$

Ans: 2.16 L

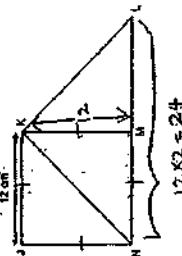
29 Pity had equal lengths of orange and green ropes. After using 15.5 m of orange rope and 17.4 m of green rope, the remaining orange rope was 8 times the length of the remaining green rope. What was the length of the remaining green rope?

$$35.5 - 15.5 = 20$$

$$20 \div 7 = 2.857$$

Ans: 4.25 m

30 The figure below is made up of a square and a triangle. JKLM is a square. KLM is a triangle. What is the area of the figure? JK = 12 cm and LM is twice as long as JK.



$$\text{Area of } \triangle KLM = \frac{1}{2} \times 12 \times 12 = 72$$

$$\text{Area of } \square JKLM = 12 \times 12 = 144$$

$$144 + 72 = 216$$

Ans: 216 cm²

End of Paper

WANG YAN PRIMARY SCHOOL
FIRST SEMESTRAL ASSESSMENT 2019
PRIMARY 5
MATHEMATICS
PAPER 2
Duration: 1 hour 30 minutes

INSTRUCTIONS TO PUPILS
 1. Turn over the page until you are told to do so.
 2. Write your answers in all capital letters.
 3. No booklet.
 4. Calculator is expected, where appropriate.

Booklet A	/ 20
Booklet B	/ 25
Paper 2	/ 15
Total	/ 100

This assessment should be marked by 24 May 2019. We seek your help in the marking of this assessment. We seek your help in the marking of this assessment.

Questions 1 to 6 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units asked. (10 marks)

1. There were 648 adults at a stadium. $\frac{4}{9}$ of the adults were men. How many men were there at the stadium?

$$\frac{4}{9} \times 648 = 288$$

Ans: 288

2. The masses of John, George and Brian are $\frac{1}{2}$ kg, $\frac{1}{3}$ kg and $\frac{1}{4}$ kg respectively. Find the total mass of the 3 children. Give your answer as a mixed number in its simplest form.

$$38\frac{1}{2} + 41\frac{1}{3} + 52\frac{1}{4} = 131\frac{43}{60}$$

Ans: $131\frac{43}{60}$ kg

3. ABCDE is a rectangle which is made up of 4 smaller identical rectangles. BDE is a shaded triangle. The length of BD is half that of AE. DE is 10 cm and AE is 8 cm. Find the total area of the unshaded parts.



$$\frac{1}{2} \times 8 \times 10 = 40$$

$$\frac{1}{2} \times 10 \times 4 = 20$$

$$40 + 20 = 60$$

Ans: 60 cm²

4. The solid below is made up of 8 identical cubes of edge 6 cm. What is the volume of the solid?



$$5 \times 5 \times 5 = 125$$

$$125 \times 6 = 750$$

Ans: 750 cm³

The mass of a glass bottle filled with 10 identical marbles is 1200 g. The mass of the same bottle when filled with 6 such marbles is 1040 g. What is the mass of each marble?

$$1200 - 1040 = 160$$

$$10 - 6 = 4$$

$$160 \div 4 = 40$$

Ans: 40

For questions 8 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (Not marked)

8 The breadth of a rectangle is $\frac{5}{7}$ cm. Its length is $\frac{7}{5}$ cm longer than its breadth.

(a) Write the length of the rectangle? Express your answer as an improper fraction.

(b) Write the area of the rectangle? Express your answer as a whole number or as the simplest form.

$$\frac{5}{7} + \frac{7}{5} = \frac{25}{35} + \frac{49}{35} = \frac{74}{35}$$

$$\frac{74}{35} \times \frac{5}{7} = \frac{117 \frac{15}{35}}{117 \frac{15}{35}}$$

Ans: (a) $\frac{74}{35}$ cm
(b) $117 \frac{15}{35}$ cm²

9 Mr. Yelling bought $\frac{1}{2}$ kg of green beans and 3 times as much red beans as green beans. The cost of 1 kg of green beans was \$4 and the cost of 1 kg of red beans was \$6. What was the total amount of money Mr. Yelling spent on the green beans and red beans?

$$2 \frac{1}{2} \times 3 = 6 \frac{1}{2} \text{ (Red)}$$

$$(2 \frac{1}{2} \times 4) + (6 \frac{1}{2} \times 5)$$

$$= 9 + 33 \frac{1}{2}$$

$$= 42 \frac{1}{2}$$

Ans: \$42.50

10 There is a total of 6.4 kg of salt in 3 containers. X kg and 2 bags of salt are needed to make 1 kg of salt. Y kg and 3 bags of salt are needed to make 1 kg of salt. Z kg and 4 bags of salt are needed to make 1 kg of salt. What is the value of X, Y and Z?

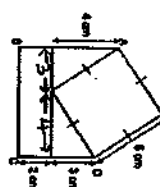
(a) How much salt is there in each container? Show your work.

$$8.4 \div 3 = 2.8$$

$$2.8 - 1.5 - 0.4 = 0.9$$

Ans: (a) $\frac{2.8 \text{ kg}}{0.9 \text{ kg}}$

11 The following figure is made up of a square, a rectangle and 2 identical triangles. AD and CD are equal lines.



(a) What is the length of the rectangle?

$$4 + 3 = 7$$

$$5 \times 5 = 25$$

$$(4 \times 4 \times 3) \times 2 = 60$$

$$25 + 60 = 85$$

$$7 \times 2 = 14$$

12 Mr. Yelling bought 1 kg of green beans, 2 kg of red beans and 3 kg of yellow beans. The cost of 1 kg of green beans was \$4, the cost of 1 kg of red beans was \$6 and the cost of 1 kg of yellow beans was \$5. How much did Mr. Yelling spend on the beans?

(a) How much did Mr. Yelling spend on the beans?

Number of	Number of	Number of	Total	Check
5	5	3	5 x 2.50 = 12.50	X
2	6	5	2 x 4.50 = 9.00	X
2	5	6	2 x 3.50 = 7.00	X

13 Mr. Yelling bought 1 kg of green beans, 2 kg of red beans and 3 kg of yellow beans. The cost of 1 kg of green beans was \$4, the cost of 1 kg of red beans was \$6 and the cost of 1 kg of yellow beans was \$5. How much did Mr. Yelling spend on the beans?

(a) How much did Mr. Yelling spend on the beans?

(b) How much did Mr. Yelling spend on the beans?

(c) How much did Mr. Yelling spend on the beans?

(d) How much did Mr. Yelling spend on the beans?

(e) How much did Mr. Yelling spend on the beans?

14 There is a cuboid block of clay 10 cm long, 5 cm wide and 3 cm high. Mr. Yelling used the clay to make 10 identical cubes. What is the side length of each cube?



$$10 \times 5 \times 3 = 150$$

$$150 \div 10 = 15$$

$$15 \div 3 = 5$$

$$10 \times 5 \times 3 = 150$$

$$150 \div 10 = 15$$

$$15 \div 3 = 5$$

Ans: 5

15 During a sale, clothing items and shoes were sold at the prices shown in the table below.

Clothing item	Price
Boy's T-shirt	\$12.00
Girl's T-shirt	\$10.00
Boy's shorts	\$8.00
Girl's shorts	\$7.00

(a) Mr. Yelling bought 1 clothing item and 4 shoes. How much did he spend?

$$810.90 + (60.50 \times 4)$$

$$= 810.90 + 242.00$$

$$= 1052.90$$

$$3000 \div 800 = 3.75$$

$$3000 \div 800 = 3.75$$

$$3000 \div 800 = 3.75$$

$$3000 \div 800 = 3.75$$

13 In a chocolate shop, $\frac{3}{4}$ of the chocolates were white chocolate and the rest were dark chocolate. $\frac{1}{2}$ of the dark chocolate were sold. There were 75 pieces of dark chocolate left. How many pieces of chocolate were there in the shop at first?

$$1 - \frac{3}{4} = \frac{1}{4} \text{ (Dark)}$$

$$\frac{1}{4} \times \frac{1}{2} = \frac{1}{8} \text{ (Dark sold)}$$

$$\frac{1}{4} - \frac{1}{8} = \frac{1}{8} \text{ (Dark, left)}$$

$$5u = 75$$

$$1u = 75 \div 5 = 15$$

$$24u = 15 \times 24 = \underline{\underline{360}}$$

14 Jenah has some orange juice. If she fills 20 identical cups with the orange juice, she will have 400 ml of the orange juice left. If she fills 30 identical cups with the orange juice, she will have 100 ml of the orange juice left. The capacity of a jug is the amount of liquid it can hold.

- (a) What is the capacity of a jug?
(b) How much orange juice does Jenah have?

$$6x \quad 1J = 4C \quad \times 6$$

$$30C + 600 = 6J - 400$$

$$30C + 600 = 24C - 400$$

$$24C - 20C = 600 + 400$$

$$4C = 1000$$

$$1C = 1000 \div 4 = 250$$

$$1J = 4C = \underline{\underline{1000}}$$

$$20C = 250 \times 20 = 5000$$

$$5000 + 600 = \underline{\underline{5600}}$$

Ans (a) $\underline{\underline{1000ml}}$ (b) $\underline{\underline{5600ml}}$

17 Mrs Khor bought a total of 278 red, blue and yellow buttons. $\frac{2}{3}$ of the buttons were red and blue buttons. $\frac{1}{3}$ of the buttons were blue and yellow buttons.

- (a) What fraction of the buttons were red?
(b) Find the difference between the number of blue buttons and the number of yellow buttons.

$$1 - \frac{2}{3} = \frac{1}{3} \text{ (Red)}$$

$$1 - \frac{2}{3} = \frac{1}{3} \text{ (Yellow)}$$

$$\frac{2}{3} - \frac{1}{3} = \frac{1}{3} \text{ (Blue)}$$

$$\frac{2}{3} - \frac{1}{3} = \frac{1}{3} \text{ (Diff)}$$

$$12u = 576$$

$$1u = 576 \div 12 = 48$$

$$2u = 48 \times 2 = 96$$

Ans (a) $\underline{\underline{\frac{1}{3}}}$ (b) $\underline{\underline{96}}$

SmileTutor.sg



**RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1
MATHEMATICS (PAPER 1)
PRIMARY 5**

Name: _____ ()

Form Class: P5 _____

Math Teacher: _____

Date: 14 May 2019

Duration: 1 hour

Your Paper 1 Score (Out of 45 marks)	
Your Paper 2 Score (Out of 55 marks)	
Your Total Score (Out of 100 marks)	
Parent's Signature	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. **NO** calculator is allowed for this paper.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade your answer (1, 2, 3 or 4) on the OAS provided.
All diagrams are not drawn to scale.

1. In 87 304, what does the digit 7 stand for?

- (1) 700
- (2) 7000
- (3) 70 000
- (4) 700 000

2. Find the number in the blank.

$$706\,000 \div 200 = \underline{\hspace{2cm}}$$

- (1) 353
- (2) 3530
- (3) 35 300
- (4) 353 000

3. 13 tens, 4 hundredths and 7 thousandths is the same as _____.

- (1) 1.347
- (2) 13.047
- (3) 130.47
- (4) 130.047

4. Express 0.45 as a fraction in its simplest form.

(1) $\frac{9}{20}$

(2) $\frac{9}{200}$

(3) $\frac{45}{100}$

(4) $\frac{45}{1000}$

5. $\frac{6}{7} \times \frac{14}{9} = \underline{\hspace{2cm}}$.

Leave your answer in its simplest form.

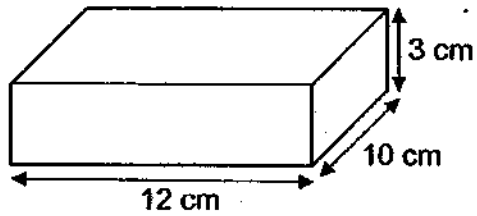
(1) $\frac{1}{3}$

(2) $\frac{7}{9}$

(3) $\frac{12}{9}$

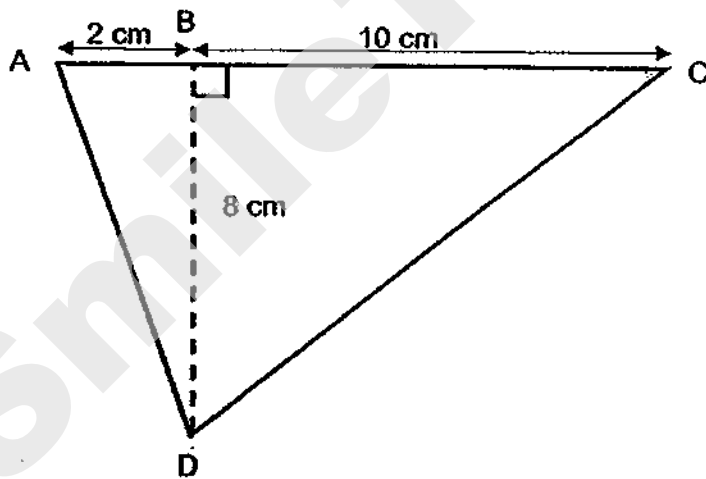
(4) $1\frac{1}{3}$

6. Find the volume of the cuboid.



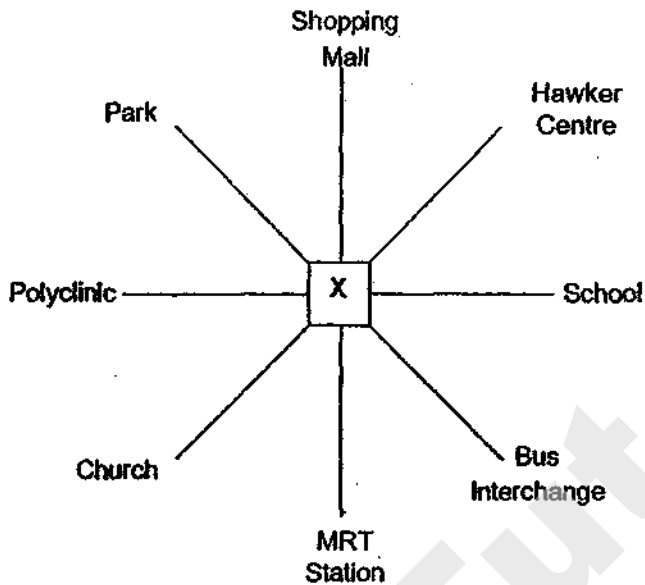
- (1) 25 cm^3
- (2) 30 cm^3
- (3) 120 cm^3
- (4) 360 cm^3

7. Find the area of triangle ACD.



- (1) 16 cm^2
- (2) 48 cm^2
- (3) 80 cm^2
- (4) 96 cm^2

8. The figure shows an 8-point compass. Miriam was standing at X. After turning 225° in an anti-clockwise direction, Miriam faced the park. Where was Miriam facing before the turn?



- (1) School
- (2) Church
- (3) MRT Station
- (4) Hawker Centre
9. Which of the following pairs of letters are both symmetric?

S T A N

- (1) A and N
- (2) A and T
- (3) S and N
- (4) S and T

10. What is the missing number in the box?

$$32 : 48 = 12 : \square$$

- (1) 6
 - (2) 8
 - (3) 18
 - (4) 28
11. A small bell tolls once every 6 minutes and a large bell tolls once every 8 minutes. If they toll together at 12 p.m., at what time will the two bells next toll together again?
- (1) 12.14 p.m.
 - (2) 12.18 p.m.
 - (3) 12.24 p.m.
 - (4) 12.48 p.m.
12. A sum of \$450 was shared among 10 boys and 12 girls. Each girl received \$15. How much did each boy get?
- (1) \$25
 - (2) \$27
 - (3) \$30
 - (4) \$45

13. The table shows the number of pupils who went to school by train, car and bus.

	Train	Car	Bus
Girls	45	63	?
Boys	66	54	25

The total number of boys who went to school by train and car was three times the total number of pupils who went to school by bus. How many girls went to school by bus?

- (1) 11
- (2) 15
- (3) 40
- (4) 51
14. Sabrina bought 9 packets of sweets at \$3.80 each and 15 mini chocolate bars at 3 for \$1.50. How much did she pay for all the items?
- (1) \$34.20
- (2) \$38.70
- (3) \$41.70
- (4) \$56.70
15. Every day, Ross cycles to school which is $\frac{7}{8}$ km away from his home. After school, he cycles home along the same route. What is the total distance Ross cycles from Monday to Friday?
- (1) $1\frac{3}{4}$ km
- (2) $4\frac{3}{8}$ km
- (3) $6\frac{1}{8}$ km
- (4) $8\frac{3}{4}$ km

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

16. Find the value of $480 \div (3 + 5) \times 2$.

Ans: _____

17. Arrange the following numbers from the smallest to the largest.

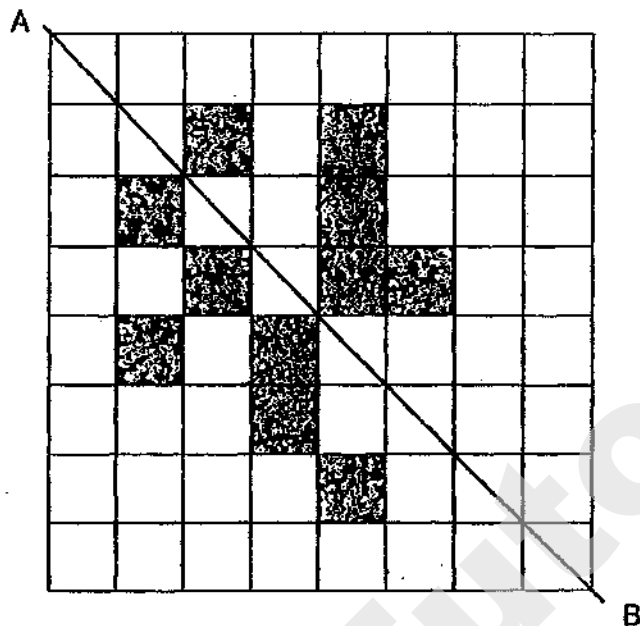
4.09, 40.03, 4.106, 40.007

Ans: _____, _____, _____, _____ (Largest)

18. Express $\frac{7}{9}$ as a decimal. Round your answer to 1 decimal place.

Ans: _____

19. Shade 3 more squares to complete the symmetric figure with AB as the line of symmetry.



20. Find the value of $\frac{3}{8} \times \frac{2}{4}$. Leave your answer in its simplest form.

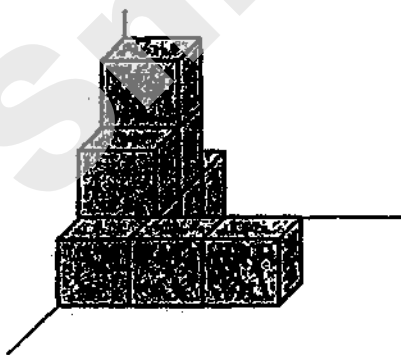
Ans: _____

Questions 21 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

21. 10 muffins were shared equally among Phoebe and her 3 cousins. How many muffins did each child receive? Express your answer as a mixed number in its simplest form.

Ans: _____

22. A solid is made up of some identical cubes. The volume of each cube is 8 cm^3 . What is the volume of the solid?



Ans: _____ cm^3

23. Mr Chun bought 2 rulers and 9 pens for \$21.60. The cost of 2 rulers was the same as the cost of 3 pens. What was the cost of 1 ruler?

Ans: \$ _____

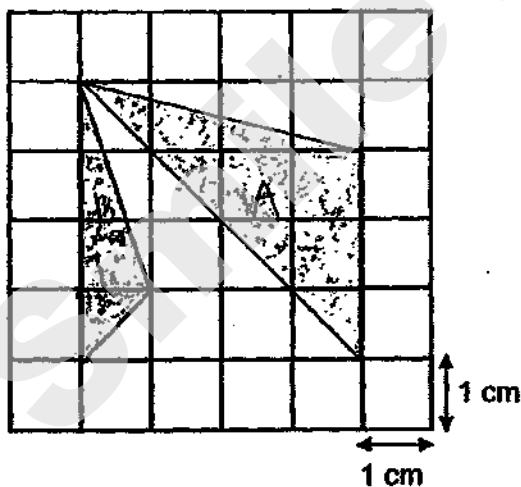
24. Ali, Xiaoli and Bali had a total of 105 stamps. Ali had twice as many stamps as Xiaoli and Bali had twice as many stamps as Ali. How many stamps did Bali have?

Ans: _____

25. Fandi had 6 times as much money as Tong Lim at first. After Fandi spent \$99.10 and Tong Lim received \$310.90 from his father, they had an equal amount of money. How much money did they have altogether at first?

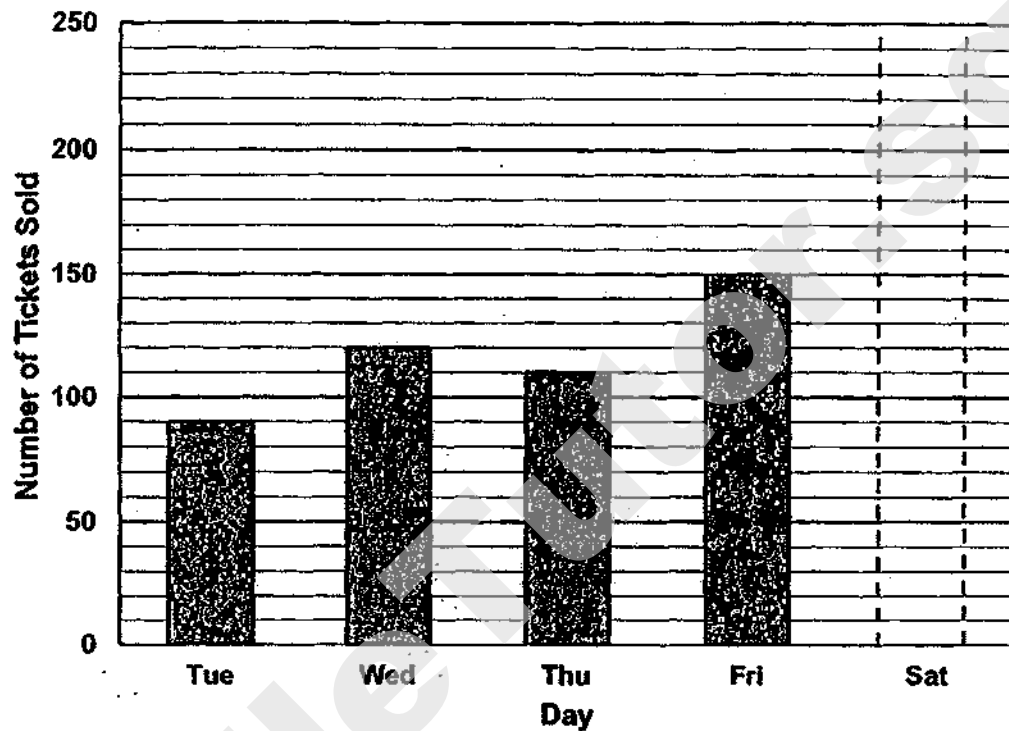
Ans: \$ _____.

26. Find the total area of the shaded parts.



Ans: _____ cr

27. The bar graph shows the number of tickets sold for a choir performance from Tuesday to Saturday.



Each ticket for the choir performance cost \$40 on a weekday and \$50 on weekends. A total amount of \$17 000 was collected for the tickets sold on Friday and Saturday. How many tickets were sold for the choir performance on Saturday?

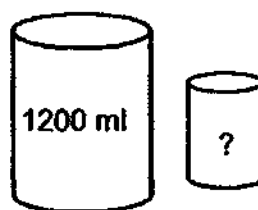
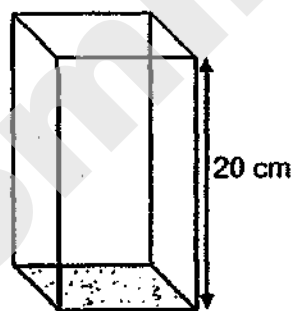
Ans: _____

28. Monica had 68 stamps and Chandler had 40 stamps. Monica gave 24 of her stamps to Chandler. What was the ratio of the number of Monica's stamps to the number of Chandler's stamps in the end?

Leave your answer in its simplest form.

Ans: _____

29. The diagram shows an empty rectangular tank with a square base. The height of the tank is 20 cm and its length is half of its height. After all the water in a big container and a small container was poured into the tank, the tank became $\frac{3}{4}$ full. What was the volume of water in the small container at first?



Ans: _____ cm^3

30. There were 70 more male than female at a concert. There was an equal number of boys and girls. The number of women was $\frac{2}{9}$ the number of adults.

Based on the information above, put a tick in the correct box.

	True	False	Impossible to tell
a) There were 90 men at the concert.			
b) There were more adults than children at the concert.			

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**RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1
MATHEMATICS (PAPER 2)
PRIMARY 5**

Name: _____ ()

Form class: P5 _____

Math Teacher : _____

Date: 14 May 2019

Duration: 1 h 30 min

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. The use of calculator is allowed for this paper.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

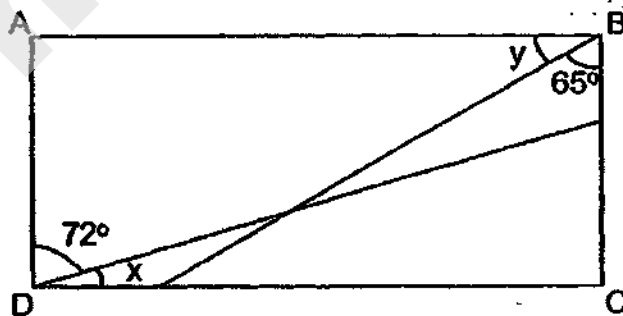
All diagrams are not drawn to scale. For questions which require units, give your answers in the units stated.

(10 marks)

1. Mary used 1.88 m of cloth to sew a dress. She used 0.9 m less cloth to sew a blouse. How much cloth did Mary need to sew 7 such blouses?
Leave your answer to 1 decimal place.

Ans: _____ m [2]

2. In the figure, ABCD is a rectangle. Find the sum of $\angle x$ and $\angle y$.



Ans: _____ ° [2]

3. 12 years ago, the ratio of Robin's age to Steve's age to Ted's age was 7 : 3 : 4.
Ted is 44 years old now. What was Steve's age 12 years ago?

Ans: _____ [2]

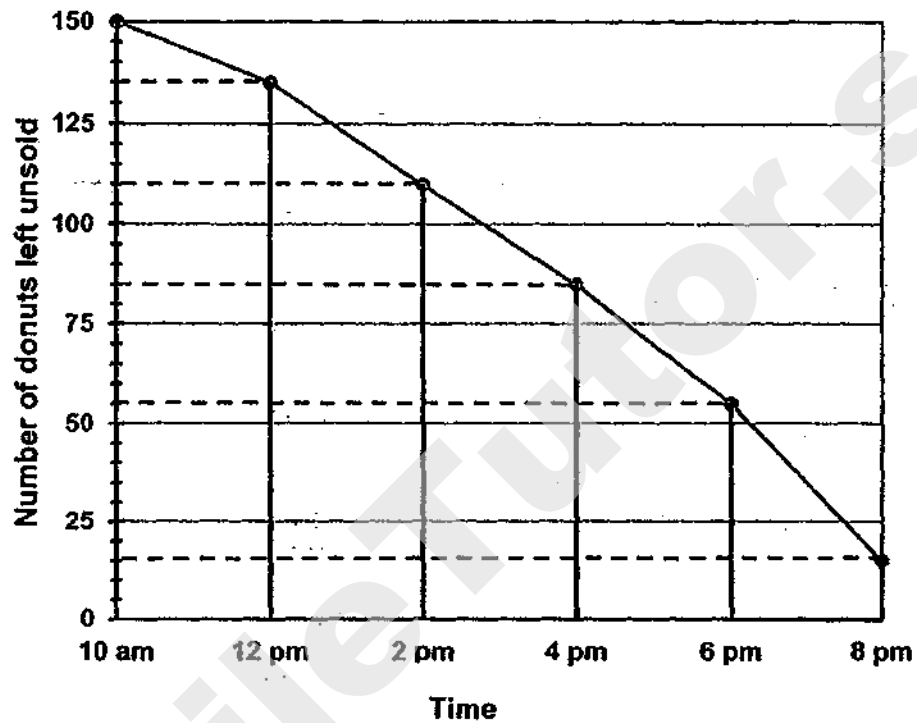
4. The first 14 numbers of a pattern with numbers 1, 3, 7 and 8 are shown below.

1, 3, 7, 8, 1, 3, 7, 8, 1, 3, 7, 8, 1, 3,

What is the sum of the first 312 numbers?

Ans: _____ [2]

5. A bakery had 150 donuts when it opened for business at 10 a.m. The line graph shows the number of donuts left unsold at the end of each 2-hour period till 8 p.m.



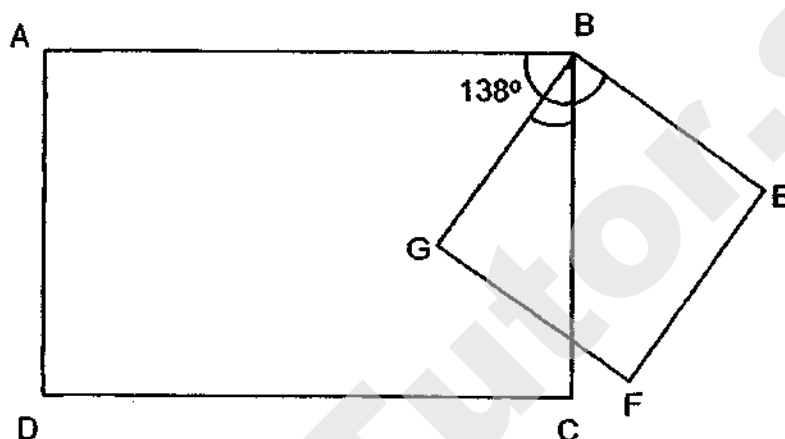
The usual price of each donut was \$2.95. After 8 p.m., all the remaining donuts were sold at \$1.50 each. What was the total amount of money collected from selling all 150 donuts?

Ans: \$ _____ [2]

For questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [] at the end of each question or part-question. All diagrams are not drawn to scale.

(45 marks)

6. ABCD is a rectangle and BEFG is a square. $\angle ABE$ is 138° . Find $\angle CBG$.



Ans: _____ [3]

7. June bought some chicken and mushroom pies for \$39.60. She bought 7 more mushroom pies than chicken pies. A chicken pie cost \$1.40 while a mushroom pie cost \$0.20 less than the chicken pie. How many chicken pies did June buy?

Ans: _____ [3]

8. There are 106 cars and motorcycles in a car park at a shopping centre. There were 366 wheels altogether. Find the number of motorcycles in the car park.

Ans: _____ [3]

9. A drink stall owner sold $\frac{1}{9}$ of his canned drinks in the morning and $\frac{3}{4}$ of the remaining canned drinks in the afternoon. After he received a delivery of another 200 canned drinks; he found that he had 32 canned drinks more than what he had at first. How many canned drinks did the stall owner have at first?

Ans: _____ [3]

10. Ailing, Bill & Carmen shared a sum of money in the ratio of 4 : 5 : 9. Ailing was given more money by her mother and she had 4 times as much money as before. Bill spent $\frac{2}{5}$ of his money and Carmen spent $\frac{1}{3}$ of her money. The total amount of money the three of them had in the end increased by \$294. What was the total amount of money they had in the end?

Ans: _____ [4]

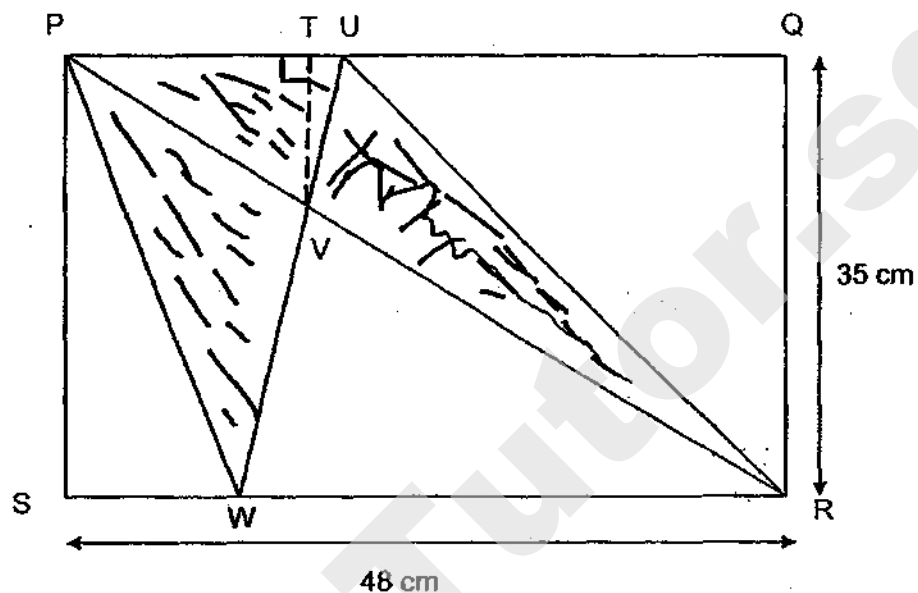
11. Mrs Lim ordered 460 chocolate and blueberry cupcakes for a birthday party. The chocolate cupcakes were packed in boxes of 6 while the blueberry cupcakes were packed in boxes of 11. The number of boxes of chocolate cupcakes was twice that of the blueberry cupcakes. How many chocolate cupcakes did Mrs Lim buy?

Ans: _____ [3]

12. Kelvin mixed $1\frac{1}{2}$ ℓ of red paint with $4\frac{1}{3}$ ℓ of yellow paint to make a mixture of orange paint. After he accidentally spilled $\frac{1}{5}$ of the orange paint, he used the remaining orange paint to paint 7 stools. He used $\frac{1}{4}$ ℓ of orange paint for each stool. How much orange paint was left in the end? Give your answer as a mixed number in its simplest form.

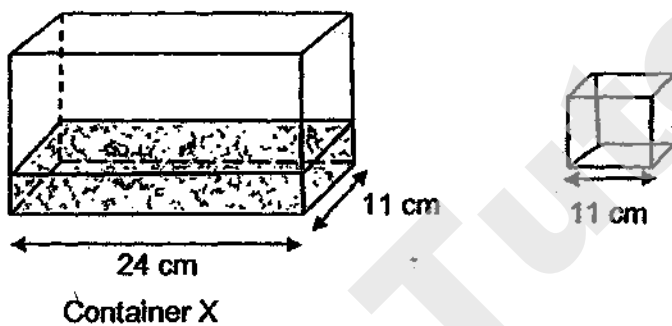
Ans: _____.

13. PQRS is a rectangle. The length of PQ is three times the length of PU.
The length of TV is 10 cm. Find the total area of the shaded parts.



Ans: _____ [4]

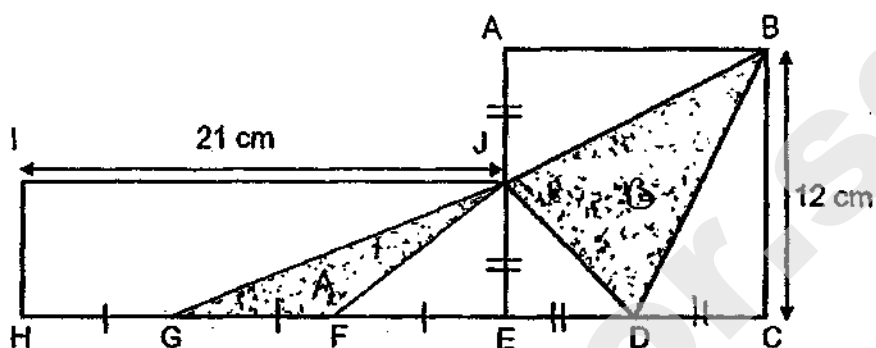
14. Container X is $\frac{1}{5}$ filled with water. John pours more water into Container X by using 3 cubical containers of length 11 cm, making Container X to be $\frac{3}{4}$ filled.
- a) Find the capacity of Container X in litres.
- b) How many more litres of water must John pour into Container X to fill it to the brim?



Ans: (a) _____ [2]

(b) _____ [2]

15. $ABCE$ is a square and $EHIJ$ is a rectangle. $HG = GF = FE$. Find the total area of the 2 shaded triangles.



Ans: _____ [4]

16. 4 blouses and 5 dresses cost \$365. The cost for 3 blouses and 7 dresses was \$433. Jenny decided to buy 4 blouses and some dresses which cost \$512 altogether. How many dresses did she buy?

Ans: _____ [5]

17. Gopal had some \$10-notes, \$5-notes and \$2-notes in the ratio of 11 : 7 : 4.
The total value of his \$10-notes was \$3060 more than the total value of his \$2-notes.

- (a) How many \$10-notes did Gopal have at first?
(b) What was the total value of Gopal's \$2-notes?

Ans: (a) _____ [3]

(b) _____ [2]

End of Paper
☺ Please check your work carefully ☺

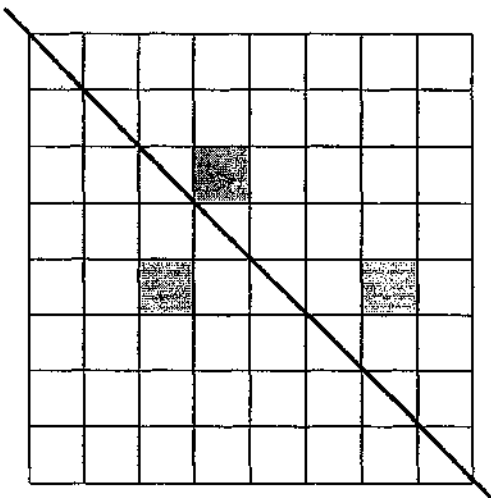
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
 LEVEL : PRIMARY5
 SUBJECT : MATH
 TERM : 2019SA1

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	2	4	1	4	4	2	3	2	3

Q 11	Q12	Q13	Q14	Q15
3	2	2	3	4

PAPER 1 BOOKLET B

Q16)	$480 \div (3 + 5) \times 2$ $480 \div 8 \times 2$ $60 \times 2 = 120$
Q17)	4.09 , 4.106 , 40.007 , 40.03
Q18)	$\frac{7}{9} = 0.77 \approx 0.8$
Q19)	
Q20)	$\frac{3}{8} \times \frac{2}{4} = \frac{3}{16}$

Q21)	$10 \div 4 = \frac{10}{4} = 2\frac{2}{4} = 2\frac{1}{2}$
Q22)	<i>Total cubes</i> $\rightarrow 4 + 2 + 3 = 9$ <i>Total volume of cubes</i> $\rightarrow 9 \times 8\text{cm}^3 = 72\text{cm}^3$
Q23)	$2R = 3P$ $2R(3P) + 9P = 12P = \$21.60$ $1P \rightarrow \$21.60 \div 12 = \1.80 $2R(3P) \rightarrow 3 \times \$1.80 = \$5.40$ $1R \rightarrow \$5.40 \div 2 = \2.70
Q24)	$7u = 105$ $1u \rightarrow 105 \div 7 = 15$ $4u \rightarrow 15 \times 4 = 60$
Q25)	$5u \rightarrow \$310.90 + \$99.10 = \$410$ $1u \rightarrow \$410 \div 5 = \82 <i>Total at first</i> $\rightarrow 2u + 5u = 7u$ $= 7 \times \$82$ $= \$574$
Q26)	$A \rightarrow \frac{1}{2} \times 3 \times 4 = 6$ $B \rightarrow \frac{1}{2} \times 4 \times 1 = 2$ <i>Total</i> $\rightarrow 6 + 2 = 8\text{cm}^2$
Q27)	<i>Money collected on Friday</i> $\rightarrow 150 \times \$40 = \6000 <i>Money collected on Sat</i> $\rightarrow \$17000 - \$6000 = \$11000$ <i>Tickets sold on Sat</i> $\rightarrow \$11000 \div \$50 = 220$
Q28)	$M \rightarrow 68 - 24 = 44$: C $C \rightarrow 40 + 24 = 64$: $64 \div 4$ 11 : 16
Q29)	<i>Length</i> $\rightarrow 20\text{cm} \div 2 = 10\text{cm}$ <i>Volume</i> $\rightarrow 10\text{cm} \times 10\text{cm} \times 20\text{cm} = 2000\text{cm}^3$ <i>Volume of big and small container</i> $\rightarrow \frac{3}{4} \times \frac{2000}{1}$ $= 1500$ <i>Volume of small container</i> $\rightarrow 1500\text{ml} - 1200\text{ml}$ $= 300\text{ml} = 300\text{cm}^3$
Q30)	a) False b) Impossible to tell

PAPER 2

Q1)	$1B \rightarrow 1.88\text{m} - 0.9\text{m} = 0.98\text{m}$ $7B \rightarrow 7 \times 0.98\text{m} = 6.86\text{m} \approx 6.9\text{m}$
Q2)	$\angle X \rightarrow 90^\circ - 72^\circ = 18^\circ$ $\angle Y \rightarrow 90^\circ - 65^\circ = 25^\circ$ $18^\circ + 25^\circ = 43^\circ$

Q3)	$Ted\ 12\ years\ ago \rightarrow 44 - 12 = 32R$: S : T $32 \div 4 = 8$ 7 : 3 : 4 $(\times 8)$ 56 : .24 : 32 Ans : 24																																
Q4)	No. of sets $\rightarrow 312 \div 4 = 78$ 1 set $\rightarrow 1 + 3 + 7 + 8 = 19$ $78 \times 19 = 1482$																																
Q5)	After 8pm $\rightarrow 15 \times \$1.50 = \22.50 10am to 6pm $\rightarrow 150 - 15 = 135$ $135 \times \$2.95 = \398.25 Total $\rightarrow \$389.25 + \$22.50 = \$420.75$																																
Q6)	$\angle CBE \rightarrow 138^\circ - 90^\circ = 48^\circ$ $\angle CBG \rightarrow 90^\circ - 48^\circ = 42^\circ$																																
Q7)	1MP $\rightarrow \$1.40 - 20\text{¢} = \1.20 7MP $\rightarrow 7 \times \$1.20 = \8.40 $\$39.60 - \$8.40 = \$31.20$ 1 set of 1MP and 1CP $\rightarrow \$1.40 + \$1.20 = \$2.60$ Number of sets $\rightarrow \$31.20 \div \$2.60 = 12$																																
Q8)	Cars = 4 wheels Motorcycles = 2 wheels Assume all vehicles are cars No. of wheels $\rightarrow 106 \times 4 = 424$ $424 - 366 = 58$ Different in no. of wheels $\rightarrow 4 - 2 = 2$ No. of motorcycles $\rightarrow 58 \div 2 = 29$																																
Q9)	$7u \rightarrow 200 - 32 = 168$ $1u \rightarrow 168 \div 7 = 24$ At first $\rightarrow 9u$ $9 \times 24 = 216$																																
Q10)	<table><tr><td></td><td>A</td><td>:</td><td>B</td><td>:</td><td>C</td><td>:</td><td>TOTAL</td></tr><tr><td>At first</td><td>4</td><td>:</td><td>5</td><td>:</td><td>9</td><td>:</td><td>18</td></tr><tr><td>End</td><td>16</td><td>:</td><td>3</td><td>:</td><td>6</td><td>:</td><td>25</td></tr><tr><td></td><td>($\times 4u$)</td><td></td><td>($-2u$)</td><td></td><td>($-3u$)</td><td></td><td></td></tr></table> $25u - 18u = 7u = \$294$ $1u \rightarrow \$294 \div 7 = \42 $25u \rightarrow 25 \times \$42 = \$1050$		A	:	B	:	C	:	TOTAL	At first	4	:	5	:	9	:	18	End	16	:	3	:	6	:	25		($\times 4u$)		($-2u$)		($-3u$)		
	A	:	B	:	C	:	TOTAL																										
At first	4	:	5	:	9	:	18																										
End	16	:	3	:	6	:	25																										
	($\times 4u$)		($-2u$)		($-3u$)																												
Q11)	1 set of 2 boxes of chocolate and 1 box of blueberry $\rightarrow 6 + 6 + 11 = 23$ No. of set $\rightarrow 460 \div 23 = 20$ chocolate $\rightarrow 20 \times (6 + 6) = 240$																																
Q12)	$1\frac{1}{2} + 4\frac{1}{3} = 1\frac{3}{6} + 4\frac{2}{6} = 5\frac{5}{6}$ $5\frac{5}{6} \times \frac{4}{5} = \frac{14}{3} = 4\frac{2}{3}$																																

	$\frac{1}{4} \times 7 = \frac{7}{4} = 1\frac{3}{4}$ $4\frac{2}{3} - 1\frac{3}{4} = 4\frac{8}{12} - 1\frac{9}{12}$ $= 3\frac{20}{12} - 1\frac{9}{12}$ $= 2\frac{11}{12} \text{ l}$
Q13)	$\Delta PUV = \frac{1}{2} \times 16\text{cm} \times 10\text{cm} = 80\text{cm}^2$ $\Delta PUW = \frac{1}{2} \times 16\text{cm} \times 35\text{cm} = 280\text{cm}^2$ $\Delta PUR = 280\text{cm}^2$ $280\text{cm} + 280\text{cm} = 560\text{cm}^2$ $560\text{cm} - 80\text{cm} = 480\text{cm}^2$
Q14)	$a) 15u - 4u = 11u$ $11u \rightarrow 3 \times (11\text{cm} \times 11\text{cm} \times 11\text{cm}) = 3993\text{cm}^3$ $1u \rightarrow 3993\text{cm}^3 \div 11 = 363\text{cm}^3$ $20u \rightarrow 20 \times 363\text{cm}^3 = 7260\text{cm}^3 = 7.26\text{l}$ $b) 20u - 15u = 5u$ $5u \rightarrow 5 \times 363\text{cm}^3 = 1815\text{cm}^3 = 1.815\text{l}$
Q15)	$GF \rightarrow 21\text{cm} \div 3 = 7\text{cm}$ $JE \rightarrow 12\text{cm} \div 2 = 6\text{cm}$ $\text{Area of A} \rightarrow \frac{1}{2} \times 6\text{cm} \times 7\text{cm} = 21\text{cm}^2$ $\text{Area of C} \rightarrow \frac{1}{2} \times 6\text{cm} \times 6\text{cm} = 18\text{cm}^2$ $\text{Area of D} \rightarrow \frac{1}{2} \times 6\text{cm} \times 12\text{cm} = 36\text{cm}^2$ $\text{Area of E} \rightarrow \frac{1}{2} \times 6\text{cm} \times 12\text{cm} = 36\text{cm}^2$ $\text{Area of ABCE} \rightarrow 12\text{cm} \times 12\text{cm} = 144\text{cm}^2$ $\text{Area of B} \rightarrow 144\text{cm}^2 - (18\text{cm}^2 + 36\text{cm}^2 + 36\text{cm}^2) = 54\text{cm}^2$ $\text{Shaded area} \rightarrow 54\text{cm}^2 + 21\text{cm}^2 = 75\text{cm}^2$
Q16)	$4B + 5D = \$365 (\times 3)$ $12B + 15D = \$1095$ $3B + 7D = \$433 (\times 4)$ $12B + 28D = \$1732$ $13D \rightarrow \$1732 - \$1095 = \$637$ $1D \rightarrow \$637 \div 13 = \49 $5D \rightarrow 5 \times \$49 = \$245$ $4B \rightarrow \$365 - \$245 = \$120$ $\$512 - \$120 = \$392$

	No. of Dress $\rightarrow \$392 \div \$49 = 8$
Q17)	a) \$10 notes $\rightarrow 11 \times \$10 = \110 \$2 notes $\rightarrow 4 \times \$2 = \8 $\$110 - \$8 = \$102$ $\$3060 \div \$102 = 30$ <div style="display: flex; justify-content: space-around;"> <div>\$10 – notes</div> <div>:</div> <div>\$5 – notes</div> <div>:</div> <div>\$2 – notes</div> </div> <div style="display: flex; justify-content: space-around;"> <div>11</div> <div>:</div> <div>7</div> <div>:</div> <div>4 ($\times 30$)</div> </div> <div style="display: flex; justify-content: space-around;"> <div>Ans 330</div> <div>:</div> <div>210</div> <div>:</div> <div>120</div> </div>



RED SWASTIKA SCHOOL

2019 SEMESTRAL ASSESSMENT 1

MATHEMATICS PAPER 1

Name : _____ ()

Class : Primary 5 / _____

Date : 14 May 2019

BOOKLET A

15 Questions

20 Marks

Duration of Paper 1 (Booklets A & B): 1 hour

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
 - (a) Page 1 to Page 5
 - (b) Questions 1 to 15
6. You are not allowed to use a calculator.

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Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the
Optical Answer Sheet. (20 marks)

1 What is the value of the digit 8 in 780 456?

- (1) 8
- (2) 80
- (3) 8000
- (4) 80 000

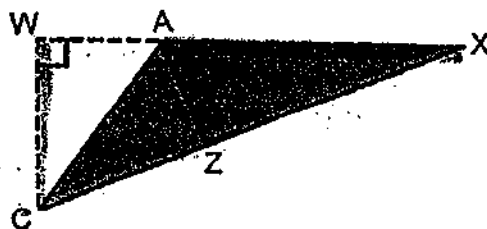
2 What is six million, eighty thousand and forty in numerals?

- (1) 6 018 014
- (2) 6 018 040
- (3) 6 080 040
- (4) 6 800 040

3 Find the value of $25 + 2 \times 8 - 4 \times 2$.

- (1) 25
- (2) 33
- (3) 208
- (4) 256

4 In the figure below, if AX is the base of triangle ACX, which line is its related height?



- (1) AZ
- (2) WC
- (3) AW
- (4) XC

5 Express $\frac{20}{3}$ as a decimal rounded off to 1 decimal place.

- (1) 0.2
- (2) 6.2
- (3) 6.6
- (4) 6.7

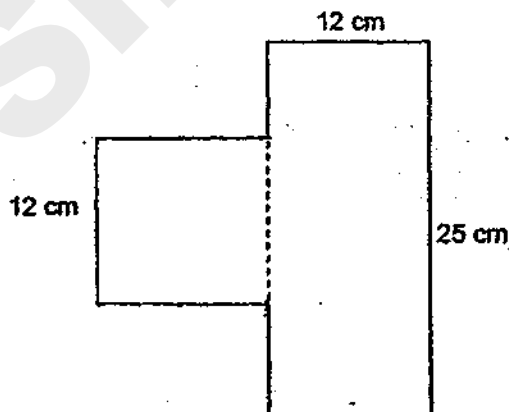
6 $15 : 6 = \underline{\hspace{1cm}} : 4$

- (1) 5
- (2) 10
- (3) 11
- (4) 13

7 $50.02 + 5.2 = \underline{\hspace{2cm}}$

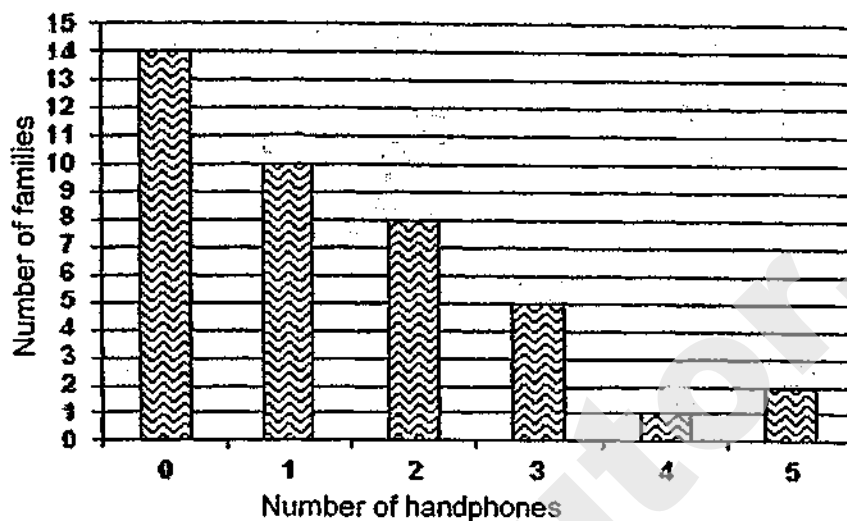
- (1) 50.54
- (2) 55.22
- (3) 102.02
- (4) 505.4

8 The figure below shows a square and a rectangle. Find the perimeter of the figure.



- (1) 61 cm
- (2) 85 cm
- (3) 98 cm
- (4) 444 cm

- 9 The bar graph below shows the number of handphones some families had.



How many families had more than 3 handphones?

- (1) 8
 - (2) 16
 - (3) 3
 - (4) 40
- 10 The first 12 numbers of a number pattern are given below.

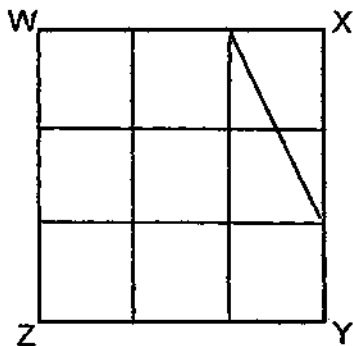
3, 2, 1, 4, 3, 2, 1, 4, 3, 2, 1, 4, ...
1st 12th

What is the 20th number?

- (1) 1
 - (2) 2
 - (3) 3
 - (4) 4
- 11 Which of the following is equal to $68 \times 20\,000$?

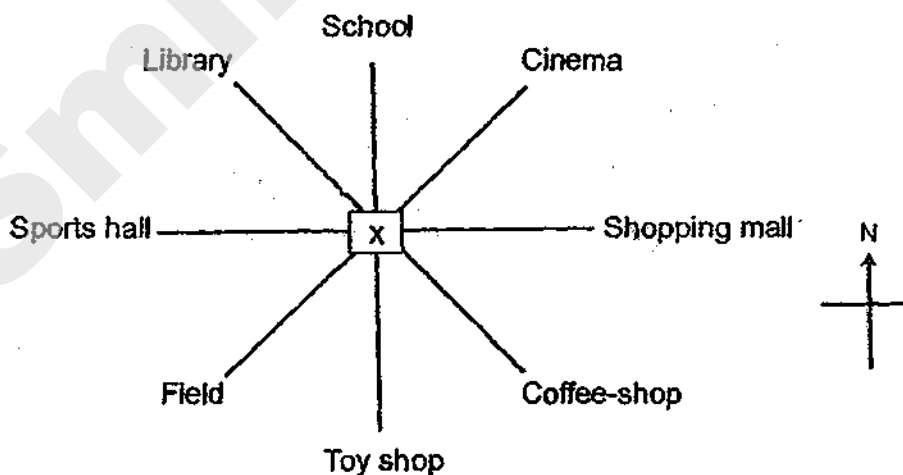
- (1) $60 + 8 \times 20\,000$
- (2) $60 \times 20\,000 + 8$
- (3) $10\,000 + 10\,000 \times 68$
- (4) $70 \times 20\,000 - 2 \times 20\,000$

- 12 Square WXYZ is made up of 5 identical squares, 2 identical triangles and a rectangle. The area of a triangle is 25 cm^2 . Find the area of WXYZ.



- (1) 50 cm^2
- (2) 225 cm^2
- (3) 625 cm^2
- (4) 5625 cm^2

- 13 Amy stands at Point X and makes an anti-clockwise turn of 45° . She is now facing North-west. Which location was she facing at first?



- (1) School
- (2) Library
- (3) Sports hall
- (4) Shopping mall

- 14 Mrs Lee bought 12 packets of apples. Each packet contains 3 apples. She threw 6 rotten apples away. She then sold the remaining apples at 5 apples for \$2. Which of the following expressions should she use to find how much she collected from selling the good apples?

- (1) $(12 \times 3 - 6) \div 5 \times \2
- (2) $(12 \times 3 - 6 \div 5) \times \2
- (3) $12 \times 3 - 6 \div 5 \times \2
- (4) $(12 \times 3 - 6) \div (5 \times \$2)$

15

$$\text{😊} + \text{😊} = \frac{1}{3}$$

$$\text{♥} - \text{😊} = \frac{1}{6}$$

$$\text{😊} \times \text{♥} = \boxed{}$$

What is the missing fraction in the box?

- (1) $\frac{1}{6}$
- (2) $\frac{1}{12}$
- (3) $\frac{1}{18}$
- (4) $\frac{5}{16}$



RED SWASTIKA SCHOOL

2019 SEMESTRAL ASSESSMENT 1

MATHEMATICS PAPER 1

Name : _____ ()

Class : Primary 5 / _____

Date : 14 May 2019

BOOKLET B

15 Questions
25 Marks

In this booklet, you should have the following:

- (a) Page 6 to Page 13
- (b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		25
TOTAL		45

Parent's Signature : _____

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

16 What is the value of 345×12 ?

Ans: _____

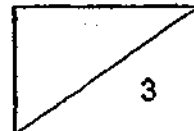
17 Round off 909 501 to the nearest thousand.

Ans: _____

18 What is the missing value in the box?

4 255, 14 405, , 34 705

Ans: _____

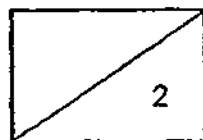


- 19 Find the value of $34 \times (12 - 3 \times 3) \div 2$.

Ans: _____

- 20 Luke has 36 toys in his toy box. The ratio of the number of toy cars to toy soldiers to toy planes is 2 : 4 : 3. How many toy soldiers does Luke have?

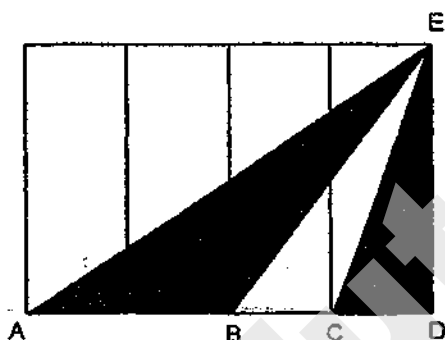
Ans: _____



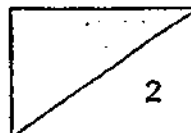
Questions 21 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

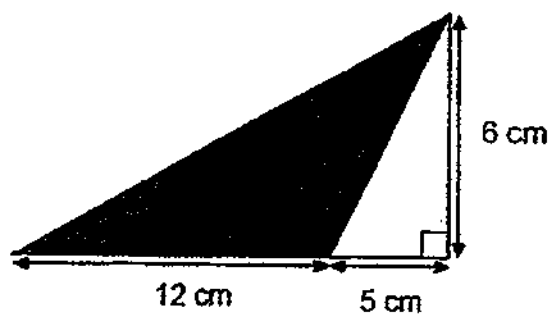
- 21 The figure below is made up of 4 identical rectangles. The area of Triangle ABE is 108cm^2 . Find the area of Triangle CED.



Ans: _____ cm^2



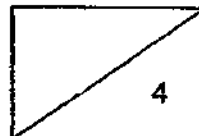
- 22 Find the area of the shaded triangle.



Ans: _____ cm²

23 $14 \div 3 =$ _____ $-\frac{1}{6}$

Ans: _____



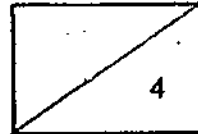
- 24 Arrange the following numbers from the smallest to the largest.

34.21 3.421 $3\frac{1}{50}$ $3\frac{1}{5}$

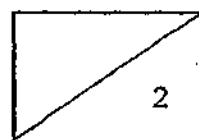
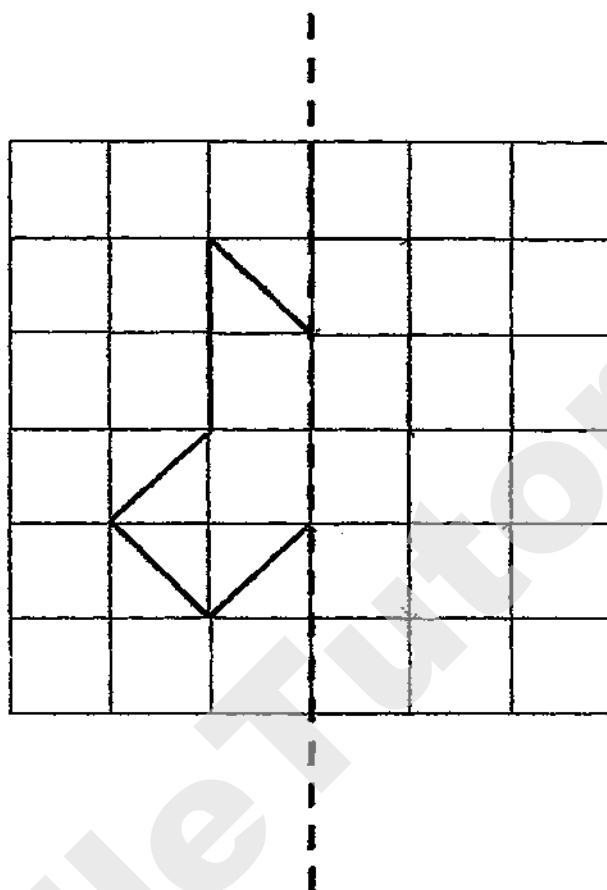
Ans: _____

- 25 Sammy fills a tank with 8 bottles of water. Each bottle contained 1.5 ℓ of water. What is the capacity of 3 such tanks?

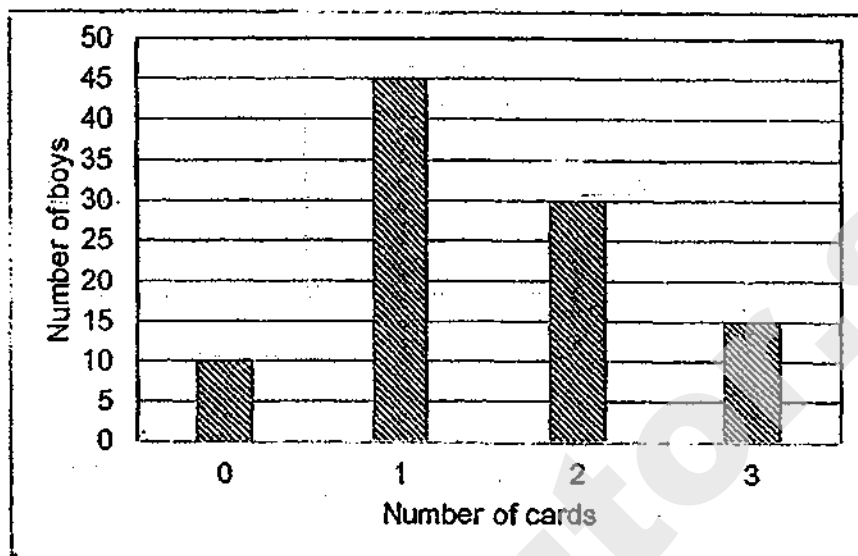
Ans: _____ ℓ



- 26 Complete the figure using the dotted line as the line of symmetry.



- 27 A survey was conducted to find out how many cards some boys had. The bar graph below shows the results.

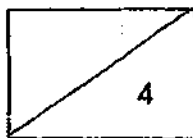


How many cards were there in total?

Ans: _____

- 28 Container X contains 4 times as many marbles as Container Z. Container Y contains half as many marbles as Container Z. How many marbles are there altogether if there are 49 more marbles in Container X than Container Y?

Ans: _____



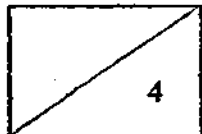
- 29 Tammy is 3 times as old as Jimmy now. Shaun is 4 years younger than Tammy. How old will Jimmy be in 3 years time if Shaun is 11 years old now?

Ans: _____

- 30 Mr Lim bought 3 hard disks and an ipad for \$1540. An ipad costs \$840 more than a hard disk. Find the cost of 2 hard disks.

Ans: \$ _____

END OF PAPER





RED SWASTIKA SCHOOL
2019 SEMESTRAL ASSESSMENT 1
MATHEMATICS
PAPER 2

Name : _____ ()

Class : Primary 5 / _____

Date : 14 May 2019

17 Questions

55 Marks

Duration of Paper 2: 1 hour 30 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
(a) Page 1 to Page 12
(b) Questions 1 to 17
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		45
PAPER 2		55
TOTAL		100

Parent's Signature : _____

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Questions 1 to 5 carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

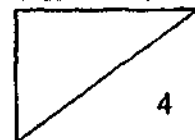
(10 marks)

- 1 A bakery made some cookies. $\frac{3}{4}$ of them were sold on Monday. $\frac{1}{3}$ of the remaining were sold on Tuesday. What fraction of the cookies was sold on Tuesday?

Ans: _____

- 2 The population of Country X is 19 800. The ratio of the number of men to women is 4 : 5. Find the number of men in Country X.

Ans: _____



- 3 An excursion to the zoo was arranged for 38 children. The signage below shows the price of the tickets.

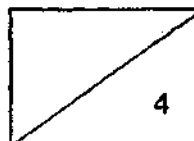
Entrance ticket
Children: \$19.50 per ticket
Children's' Day Special Deal
Buy 5 tickets, get 1 ticket free.

What was the least total amount of money the children had to pay to enter the zoo?

Ans: \$ _____

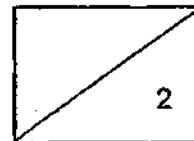
- 4 Peter left his house at 21 00 h. His journey by bus took 30 minutes to reach the interchange. His friend, Tom, was late for 20 minutes. After that, they took 15 minutes to walk to the cinema. The show started once they reached the cinema. The show ended at 00 00h. How long was the show? (Give your answer in hours and minutes.)

Ans: _____ h _____ min



A shopkeeper had 10 boxes of the same number of chocolates at first. She sold 24 pieces of chocolates from each boxes. The total number of chocolates left in the 10 boxes was equal to the total number of chocolates in 4 of the boxes at first. How many pieces of chocolates did the shopkeeper have at first?

Ans: _____



For Questions 6 to 17, show your workings clearly in the space below each question and write your answers in the spaces provided.

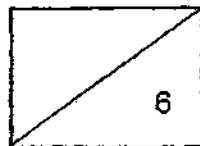
The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

- 6 Coach Lim bought 16 identical rackets while Coach Huang bought 10 identical rackets. On top of that, Coach Huang bought some tubes of shuttlecocks for \$39.60. Coach Lim spent \$235.80 more than Coach Huang. How much does a racket cost?

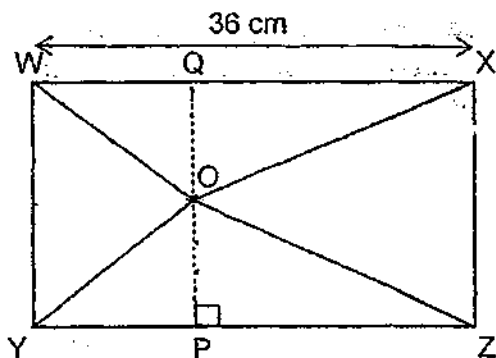
Ans: _____ [3]

- 7 A factory manufactured 3366 cups, plates and spoons. It manufactured 4 times as many cups as plates. The factory also manufactured 216 more spoons than plates. How many spoons were manufactured?

Ans: _____ [3]



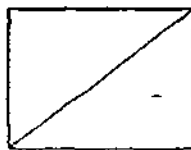
- 8 The rectangle below is made up of 4 triangles and PQ is a straight line. The area of triangle WOY is 100 cm^2 and the area of triangle XOZ is twice that of triangle WOY. Given that Line OQ is 7 cm , find the area of YOZ.



Ans: _____ [3]

- 9 Kim gave $\frac{1}{3}$ of her savings to her mother. She then bought some dresses for \$177 and spent \$129 on a pair of earrings. After that, she found that the amount of money left was $\frac{1}{2}$ of what she gave her mother. How much was her savings?

Ans: _____ [3]

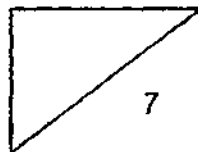


- 10 Ann and Bailey had a total of 680 dolls. After Ann bought 20 more dolls, the ratio of the number of dolls Ann had to Bailey was 3 : 1. How many dolls did Ann have at first?

Ans: _____ [3]

- 11 Mr Lim has 3 children, Abby, Ben and Cindy. He gave them $\frac{2}{5}$ of his savings in the ratio of 2 : 3 : 5. Ben received \$440 less money than Cindy. How much was Mr Lim's savings at first?

Ans: _____ [4]

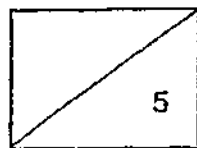


- 12 A fruit stall sells apples, oranges and pears. The ratio of the number of pears to the total number of fruits is 2 : 5. There are 300 apples and 180 oranges.

- (a) Find the number of pears at the stall.
- (b) Pears are sold at 4 for \$1. Apples are sold at 10 for \$2. Oranges are sold at 6 for \$1.50. How much money could be collected from the sale of all the fruits at the stall?

Ans: (a) _____ [3]

(b) _____ [2]



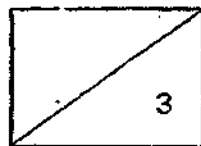
- 13 A transport company has 340 vehicles consisting of tricycles with 3 wheels and bicycles with 2 wheels. There are 820 wheels altogether.

(a) How many bicycles are there?

(b) He sold the bicycles at \$85 each and the tricycles at \$45 each. How much did he get altogether?

Ans: (a) _____ [2]

(b) _____ [1]



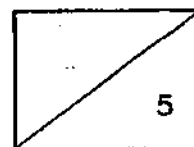
14. Mr Ahmad bought some gold rings and bracelets. A bracelet costs \$450 more than a gold ring. His money was just enough for him to buy 7 rings and 2 bracelets. In the end, he bought 2 rings and 3 bracelets. He then had \$1550 left.

(a) How much was a gold ring?

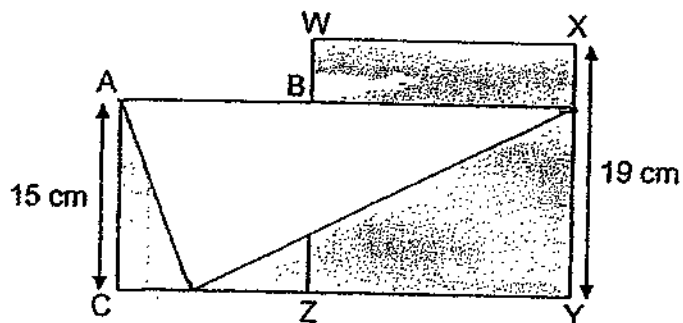
(b) How much was a bracelet?

Ans: (a) _____ [3]

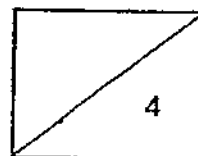
(b) _____ [2]



- 15 The figure below is made up of 2 squares and a triangle. Find the shaded area.



Ans: _____ [4]



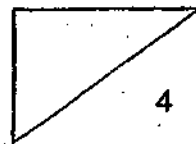
- 16 There was an equal number of girls and boys in the hall at first. After 160 girls and 500 boys left the hall, there were three times as many girls as boys who remained in the hall.

(a) What fraction of the children who remained in the hall were girls?

(b) How many boys and girls were there in the hall altogether at first?

Ans: (a) _____ [1]

(b) _____ [3]



- 17 John had some stamps. He gave $\frac{1}{4}$ of his stamps to Sally and 10 stamps to Kate. He then gave $\frac{1}{2}$ of the remaining stamps to Joy and 5 stamps to Daisy. He had 50 stamps left.

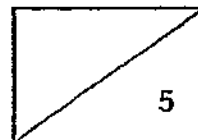
- (a) How many stamps did Joy receive?
(b) How many stamps did Sally receive?
(c) How many stamps did John have at first?

Ans: (a) _____ [1]

(b) _____ [2]

(c) _____ [2]

END OF PAPER



SCHOOL : RED SWASTIKA PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA1

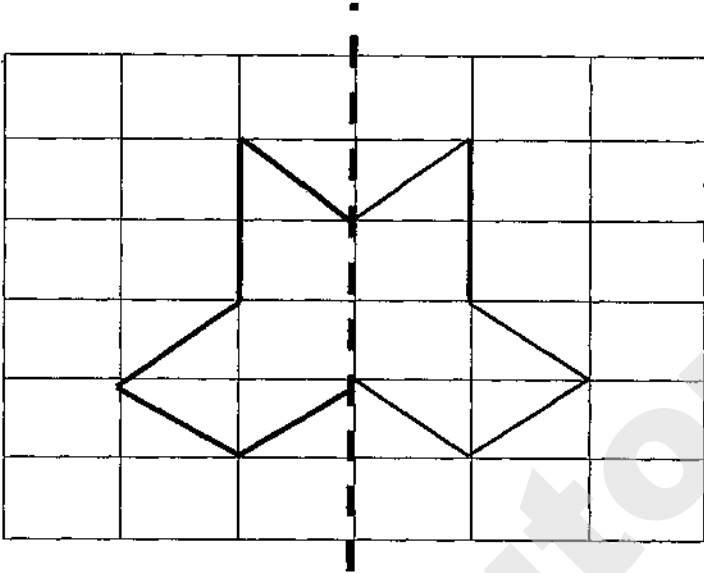
PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	2	2	4	2	2	3	3	4

Q 11	Q12	Q13	Q14	Q15
3	2	1	1	3

PAPER 1 BOOKLET B




Q16)	$345 \times 12 = 4140$		
Q17)	910000		
Q18)	24555		
Q19)	$34 \times (12 - 9) \div 2$ $= 34 \times 3 \div 2$ $= 102 \div 2$ $= 51$		
Q20)	$C : S : P$ $2 : 4 : 3$	$2 + 4 + 3 = 9$ $9u \rightarrow 36$ $1u \rightarrow 4$ $S = 4u = 4 \times 4 = 16$	
Q21)	54cm^2		
Q22)	$\frac{1}{2} \times 12 \times 6 = 36\text{cm}^2$		
Q23)	$4\frac{2}{3} + \frac{1}{6} = 4\frac{4}{6} + \frac{1}{6} = 4\frac{5}{6}$		
Q24)	$3\frac{1}{50}$, $3\frac{1}{5}$, 3.421 , 34.21		

Q25)	$1.5 \times 8 = 12.0$ $12.0 \times 3 = 36l$
Q26)	
Q27)	$15 \times 3 = 45$ $45 + 60 + 45 = 150$
Q28)	$7u \rightarrow 49$ $1u \rightarrow 7$ $11u \rightarrow 77$
Q29)	$T \rightarrow 11 + 4 = 15 \text{ now}$ $J \text{ now} \rightarrow 15 \div 3 = 5$ $5 + 3 = 8$
Q30)	$4 \text{ hard disks} = \$1540 - \$840 = \$700$ $4 \div 2 = 2$ $2 \text{ hard disks} = \$700 \div 2 = \350

PAPER 2

Q1)	$1 - \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$
Q2)	$4 + 5 = 9$ $9u \rightarrow 19800$ $1u \rightarrow 2200$ $4u \rightarrow 8800$
Q3)	$38 \div 6 = 6 \text{ R}2$ $(\$97.50 \times 6) + (\$19.50 \times 2)$ $= \$585 + \$39 = \$624$

Q4)	<p>It was 1h 55 min</p>
Q5)	<p>Amount of chocolate boxes sold $\rightarrow 10 - 4 = 6$ Amount of chocolate sold from 10 boxes $\rightarrow 24 \times 10 = 240$ 1 box $\rightarrow 240 \div 6 = 40$ 10 boxes $\rightarrow 400$</p>
Q6)	<p>Different between 16 rackets and 10 rackets $\\$235.80 + \\$39.60 = \\$275.40$ (6 rackets) 6 rackets $\rightarrow \\$275.40 \div 6$ 1 racket $\rightarrow \\$45.90$</p>
Q7)	<p>$6u \rightarrow 3366 - 216 = 3150$ $1u \rightarrow 525$ Spoons $\rightarrow 525 + 216 = 741$</p>
Q8)	<p>$\frac{1}{2} \times 36 \times h = 300$ $36h = 600$ $h = 16\frac{2}{3} \text{ cm}$ $\frac{1}{2} \times \left(16\frac{2}{3} - 7\right) \times 36 = 174 \text{ cm}^2$</p>
Q9)	<p>Left $\rightarrow \frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$ Left aft give to mother $\rightarrow 1 - \frac{1}{3} = \frac{2}{3}$ Amount used from savings $\rightarrow \frac{2}{3} - \frac{1}{6} = \frac{1}{2} = \frac{3}{6}$ $\frac{1}{2}$ of savings $\rightarrow 3u \rightarrow 129 + 177 = 306 \div 3 = 102$ $1u \rightarrow 102$ $6u \rightarrow 102 \times 6 = \\612</p>
Q10)	<p>New total aft Ann buy $\rightarrow 680 + 20 = 700$ $3 + 1 + 4$ $4u \rightarrow 700 \div 4$ $1u \rightarrow 175$ $3u \rightarrow 175 \times 3 = 525$ Ann at first $\rightarrow 525 - 20 = 505$</p>
Q11)	<p>$5 - 3 = 2$ $2u \rightarrow 440 \div 2$ (small) $1u \rightarrow 220$ (small) $2 + 3 + 5 = 10$ $10u \rightarrow 2200$ (small) $2u \text{ big} \rightarrow 2200 \div 2 = 1100$ $1u \text{ big} \rightarrow 1100$ $5u \text{ big} \rightarrow 1100 \times 5 = \\5500</p>

Q12)	<p>a) $5u - 2u = 3u$ Apples and oranges $= 300 + 180 = 480$ $3u \rightarrow 480 \div 3$ $1u \rightarrow 160$ $2u \rightarrow 160 \times 2 = 320$ <i>pears</i></p> <p>b) A : P : O 300 : 320 : 180 <i>Apple</i> $\rightarrow 300 \div 10 = 30$ $30 \times 2 = \\$60$ <i>Pears</i> $\rightarrow 320 \div 4 = 80$ $80 \times 1 = \\$80$ <i>Oranges</i> $\rightarrow 180 \div 6 = 30$ $30 \times 1.50 = \\$45$ Total collected $\rightarrow \\$60 + \\$80 + \\$45 = \\185</p>
Q13)	<p>a) $340 \times 3 = 1020$ Different of wheel per vehicles $\rightarrow 3 - 2 = 1$ Different of total wheels $\rightarrow 1020 - 820 = 200$ No of bike $\rightarrow 200 \div 1 = 200$</p> <p>b) Amt of \$ for bicycles $\rightarrow \\$85 \times 200 = \\17000 Amt of \$ for tricycles $\rightarrow \\$45 \times (340 - 200) = \\6300 Total altogether $\rightarrow \\$17000 + \\$6300 = \\$23300$</p>
Q14)	<p>$1550 + 450 + 450 + 450 = 2900$ a) 7 rings & 2 bracelets $- 5$ rings $= 2$ rings & 2 bracelets $= 2900$ 4 rings $\rightarrow 2900 - 450 - 450 = 2000 \div 4 = 500$ 1 ring $\rightarrow \\$500$ b) 1 bracelet $\rightarrow 500 + 450 = \\950</p>
Q15)	<p>Area of  $\rightarrow \frac{1}{2} \times (15 + 19) \times 15 = 255$ Area of  ABCZ &  WXYZ $\rightarrow (19 \times 19) + (15 + 15) = 586$ Shaded $\rightarrow 586 - 255 = 331\text{cm}^2$</p>
Q16)	<p>a) $2u \rightarrow 500 - 160 = 340$ $1u \rightarrow 170$ $4u \rightarrow 170 \times 4 = 680$ $3u \rightarrow 170 \times 3 = 510$ $\frac{510}{680} = \frac{3}{4}$</p> <p>b) Girls at first $\rightarrow 510 + 160 = 670$ Boys at first $\rightarrow 170 + 500 = 670$ Total at first $\rightarrow 670 + 670 = 1340$</p>
Q17)	<p>$50 + 5 + 55$ a) $1 - \frac{1}{2} = \frac{1}{2}$ $55 + 55 = 110$ b) $110 + 10 = 120$ $1 - \frac{1}{4} = \frac{3}{4}$ $3u \rightarrow 120$</p>

$1u \rightarrow 40$ $c) 4u \rightarrow 120 + 40 = 160$

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**Rosyth School
Mid-Year Examination 2019
MATHEMATICS
Primary 5**

Name: _____

Register No. _____

Class: Pr 5 - _____ Group: _____

Date: 15 May 2019

Parent's Signature: _____

Total Time for Booklets A and B : 1 hour

**PAPER 1
(BOOKLET A)**

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Shade your answers in the Optical Answer Sheet (OAS) provided.
4. You are not allowed to use a calculator.
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

* This booklet consists of 7 pages (including this cover page)

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Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

1. In 1 529 067, the value of digit 2 is _____.
 - (1) 20
 - (2) 200
 - (3) 2000
 - (4) 20 000

2. Round 319 487 to the nearest thousand.
 - (1) 319 000
 - (2) 319 400
 - (3) 320 000
 - (4) 320 400

3. Find the value of $36\,000 \div 400$.
 - (1) 9
 - (2) 90
 - (3) 900
 - (4) 9000

4. Which of the following has the same value as 6 041 702?
 - (1) $6\,000\,000 + 4\,000 + 100 + 70 + 2$
 - (2) $6\,000\,000 + 40\,000 + 100 + 70 + 2$
 - (3) $6\,000\,000 + 40\,000 + 1000 + 700 + 2$
 - (4) $6\,000\,000 + 400\,000 + 1000 + 700 + 2$

5. Sally has 24 bookmarks and Amy has 16 erasers. What is the ratio of the number of Amy's erasers to Sally's number of bookmarks?

- (1) 2 : 3
- (2) 3 : 2
- (3) 2 : 5
- (4) 3 : 5

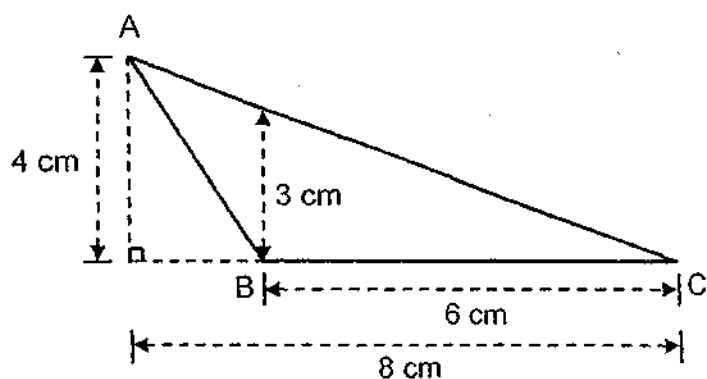
6. The ratio of the number of ribbons to the number of hairclips that Lily bought is 6 : 7. Which of the following could be the number of ribbons and hairclips that Lily had bought?

	Ribbons	Hairclips
(1)	6	12
(2)	8	15
(3)	16	24
(4)	18	21

7. Express $3\frac{1}{4}$ as a decimal.

- (1) 3.14
- (2) 3.25
- (3) 3.41
- (4) 3.75

3. Which of the following represents the area of the triangle ABC shown below?



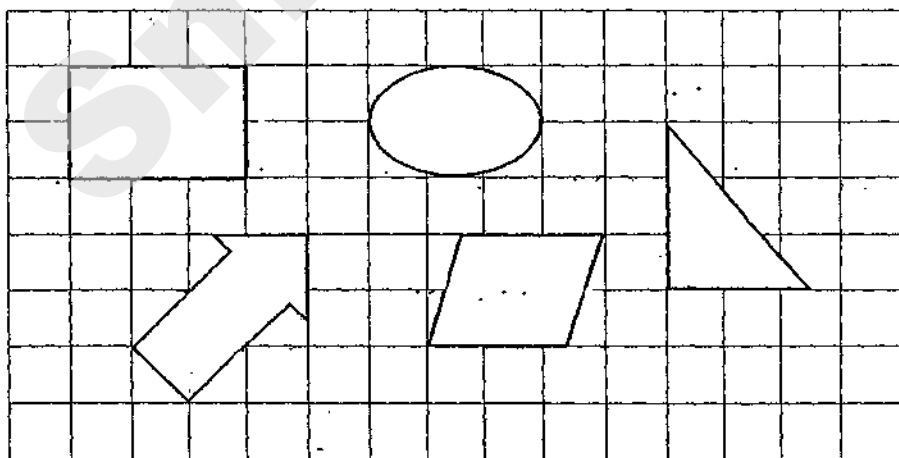
(1) $\frac{1}{2} \times 6 \times 3$

(2) $\frac{1}{2} \times 6 \times 4$

(3) $\frac{1}{2} \times 8 \times 3$

(4) $\frac{1}{2} \times 8 \times 4$

9. The diagram below shows some shapes. How many of these shapes contain at least one pair of parallel lines?



(1) 5

(2) 2

(3) 3

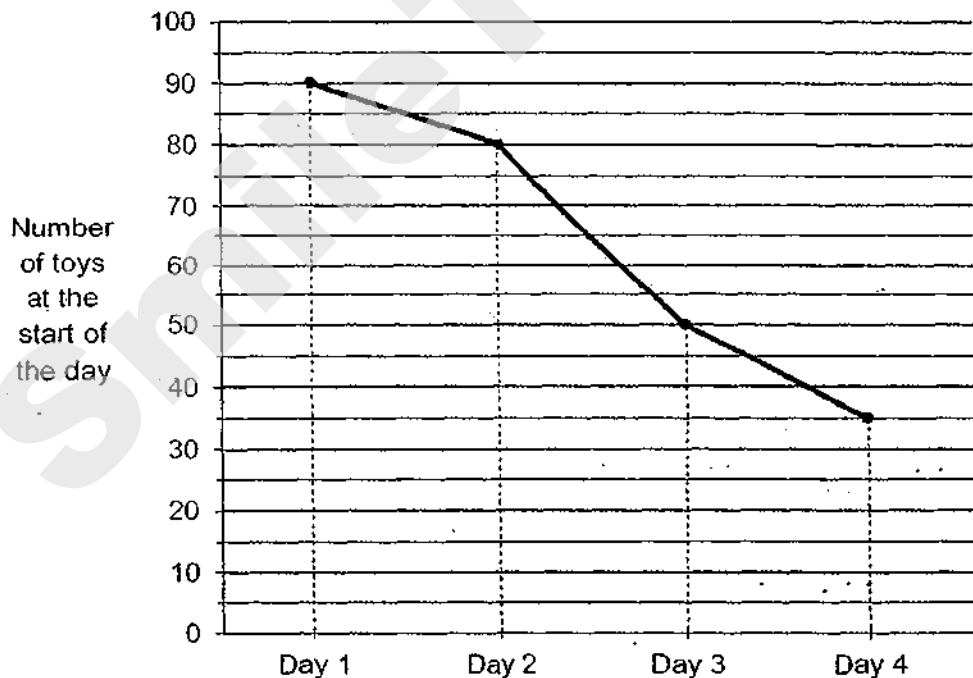
(4) 4

10. The table below shows the number of books read by some pupils in a class.

Number of books read by each pupil	0	1	2	3	4
Number of pupils	4	7	12	6	9

How many pupils read at least 2 books?

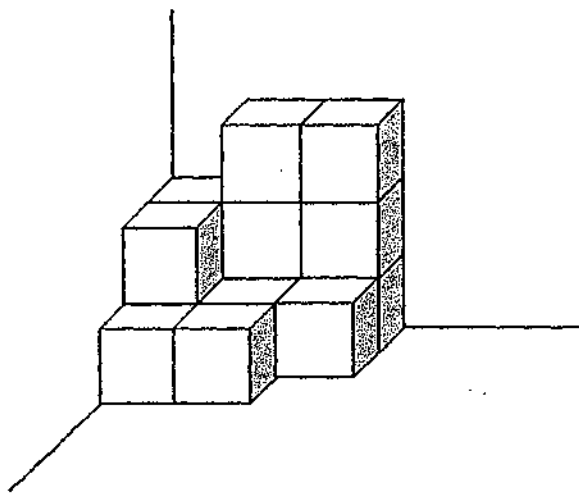
- (1) 12
(2) 15
(3) 23
(4) 27
11. Mrs Tan had 90 toys to sell at a fun fair event. The line graph below shows the number of toys in Mrs Tan's shop at the start of each day during the event.



On which day did Mrs Tan sell the most number of toys?

- (1) Day 1
(2) Day 2
(3) Day 3
(4) Day 4

12. The figure below shows 1-cm unit cubes stacked against a corner. What is the least number of unit cubes that must be added to the figure to form a cube?



- (1) 11
(2) 12
(3) 13
(4) 14
13. Which of the following fractions is closest to 1?

- (1) $\frac{1}{3}$
(2) $\frac{3}{5}$
(3) $1\frac{2}{7}$
(4) $1\frac{2}{9}$

14. Albert, Ben and Charlie shared a sum of money in the ratio of 4 : 5 : 1. Charlie's share of the money was \$60 less than Albert's share of the money. What was the sum of money the three of them share?
- (1) \$120
(2) \$150
(3) \$200
(4) \$600
15. The ratio of the number of students in the chess club to the number of students in the robotics club is 5 : 7. The ratio of the number of students in chess club to the number of students in the art club is 5 : 2. There are 30 students in the chess club. How many more students are there in the robotics club than the art club?
- (1) 12
(2) 22
(3) 30
(4) 60



**Rosyth School
Mid-Year Examination 2019
MATHEMATICS
Primary 5**

Name: _____

Register No. _____

Class: Pr 5 - _____ Group: _____

Date: 15 May 2019

Parent's Signature: _____

Total Time for Booklets A and B : 1 hour

**PAPER 1
(BOOKLET B)**

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are not allowed to use a calculator.
4. Write your answers in the booklet.
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	25	

* This booklet consists of 8 pages (including this cover page)

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write
in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

(5 marks)

16. There are 150 paper clips in a box.
How many paper clips will there be in 60 boxes?

Ans: _____

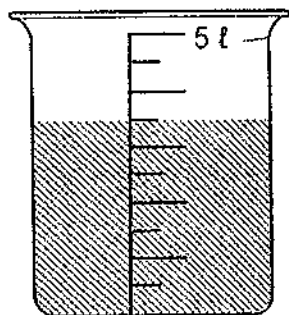
17. Kumar bought 10 pens and 4 notebooks. After that, he gave 2 pens to his sister. Then his brother gave him 3 notebooks. What was the ratio of the number of pens to the number of notebooks Kumar had in the end?

Ans: _____

18. Find the value of $2\frac{3}{10} - \frac{2}{5}$. Give your answer in the simplest form.

Ans: _____

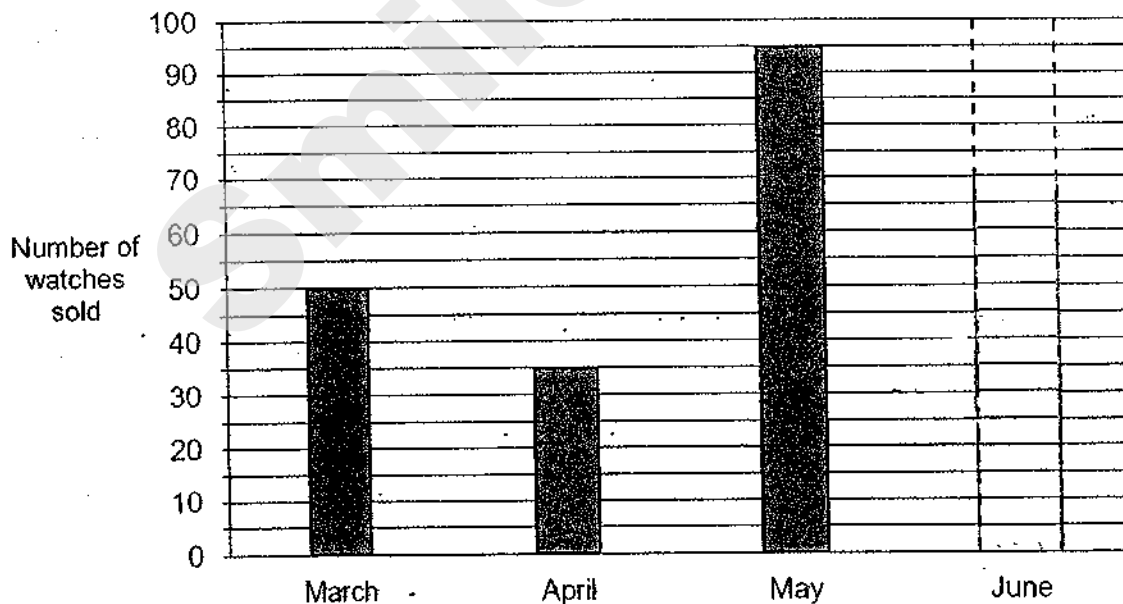
19. How much water is there in the beaker? Give your answers in millilitres.



Do not write
in this space

Ans: _____ ml

20. The graph below shows the number of watches sold from March to June. The number of watches sold in June is twice the number of watches sold in April. Draw the bar for June in the graph.



Questions 21 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write
in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

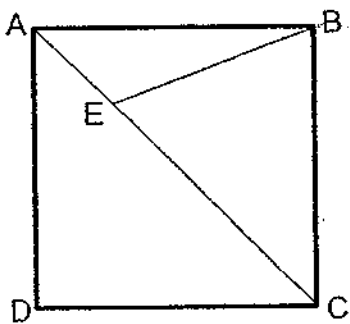
21. Find the value of $200 - 80 \times 2 + 10$.

Ans: _____

22. Sarah can pack at most 4 muffins in a box. She needs to pack all 146 muffins in such boxes. What is the least number of boxes that she will need to pack all the muffins?

Ans: _____

23. The diagram below shows a square ABCD. The ratio of the area of triangle ABE to the area of triangle BEC is 3 : 7. The area of triangle ABE is 15 cm². What is the length of the square ABCD?



Do not write
in this space

Ans: _____ cm

24. Chloe had $\frac{9}{10}$ m of a ribbon. She gave $\frac{5}{12}$ of it to Devi. What was the length of the ribbon that Devi got? Give your answer in the simplest form.

Ans: _____ m

25. Joel arranged 6 identical rectangles as shown in Figure A. She then rearranged the 6 rectangles as shown in Figure B. What is the perimeter of Figure B?

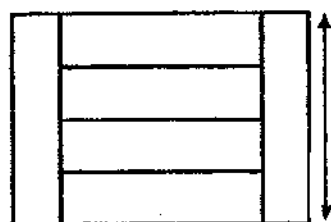


Figure A

20 cm

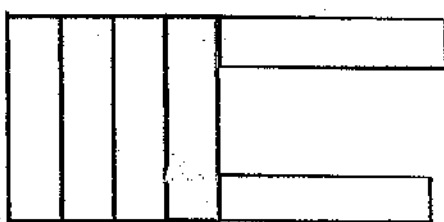
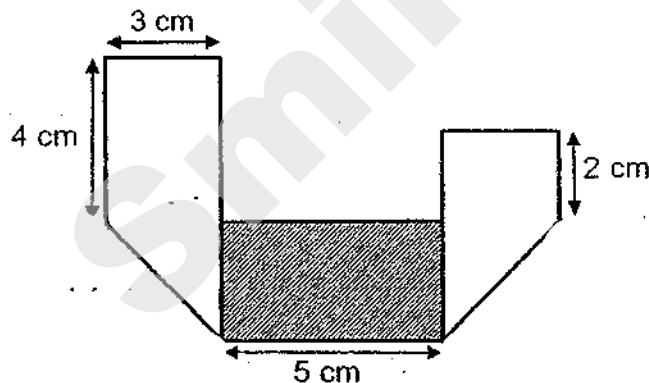


Figure B

Do not write
in this space

Ans: _____ cm

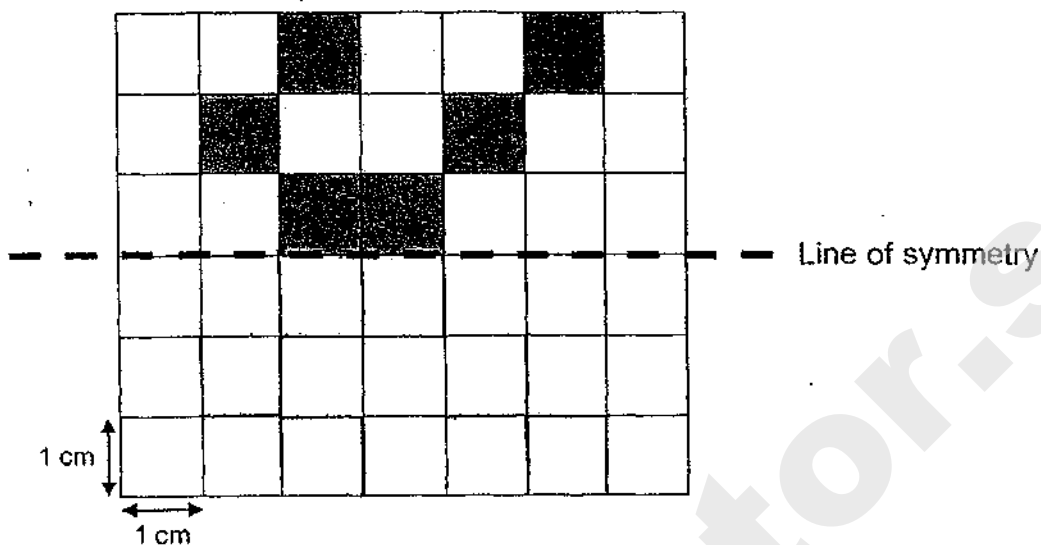
26. A rectangular piece of paper was folded into the shape shown below. Find the area of the piece of paper before it was folded.



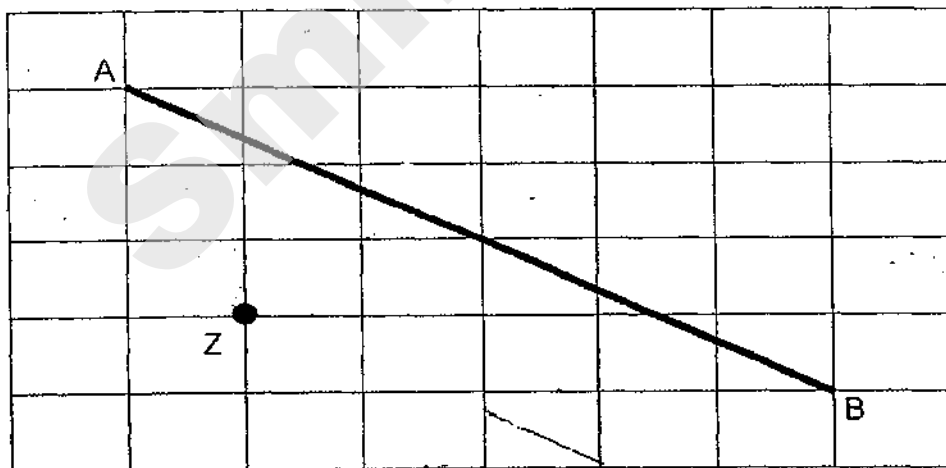
Ans: _____ cm^2

27. The diagram below shows a part of the symmetrical figure.
Shade the least number of squares to make the figure symmetrical.

Do not write
in this space



28. In the diagram below, draw a line that is parallel to line AB and passes through point Z.

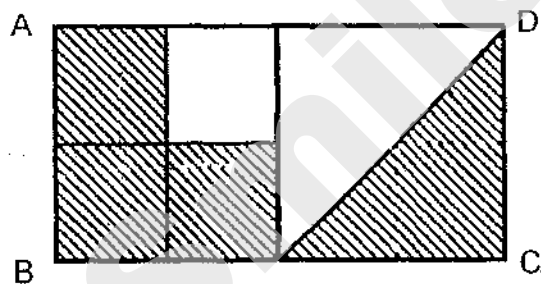


29. A bag costs \$10 more than a cap and twice as much as the cost of a t-shirt. The total cost of the bag, cap and t-shirt is \$120. How much more does the cap cost than the t-shirt?

Do not write
in this space

Ans: \$ _____

30. Rectangle ABCD is made up of 4 squares and 2 triangles. What fraction of the Rectangle ABCD is shaded? Give your answer in the simplest form.



Ans: _____

End of paper
Have you checked your work?



Rosyth School
Mid-Year Examination 2019
MATHEMATICS
Primary 5

Name: _____

Register No. _____

Class: Pr 5 - _____ Group: _____

Date: 15 May 2019

Parent's Signature: _____

Time: 1 h 30 min

PAPER 2

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. **Show your workings clearly** as marks are awarded for correct working.
4. Write your answers in this booklet.
5. You are allowed to use a calculator.
6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 17	45	

Section	Maximum Mark	Marks Obtained
Paper 1	45	
Paper 2	55	
Total	100	

* This booklet consists of 14 pages (including this cover page)

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write
in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

(10 marks)

1. Mrs Tan used 800 g of flour to make some cupcakes. Mdm Ramah used 500 g more than Mrs Tan. Mdm Shamini used twice as much flour as Mdm Ramah. How many grams of flour did Mdm Shamini use?

Ans: _____ 9

2. Ken, Tammy and Rishi used some straws to make a structure each. Tammy used 12 fewer straws than Ken. Rishi used 20 more straws than Ken. The three children used 284 straws altogether. How many straws did Rishi use?

Ans: _____

3. Mrs Tan had $4\frac{5}{7}$ kg of sugar. She used $\frac{2}{11}$ of the sugar to bake cookies and gave away $\frac{1}{2}$ kg of sugar to charity. How much sugar did she have left?
Give your answer as a mixed number in the simplest form.

Do not write
in this space

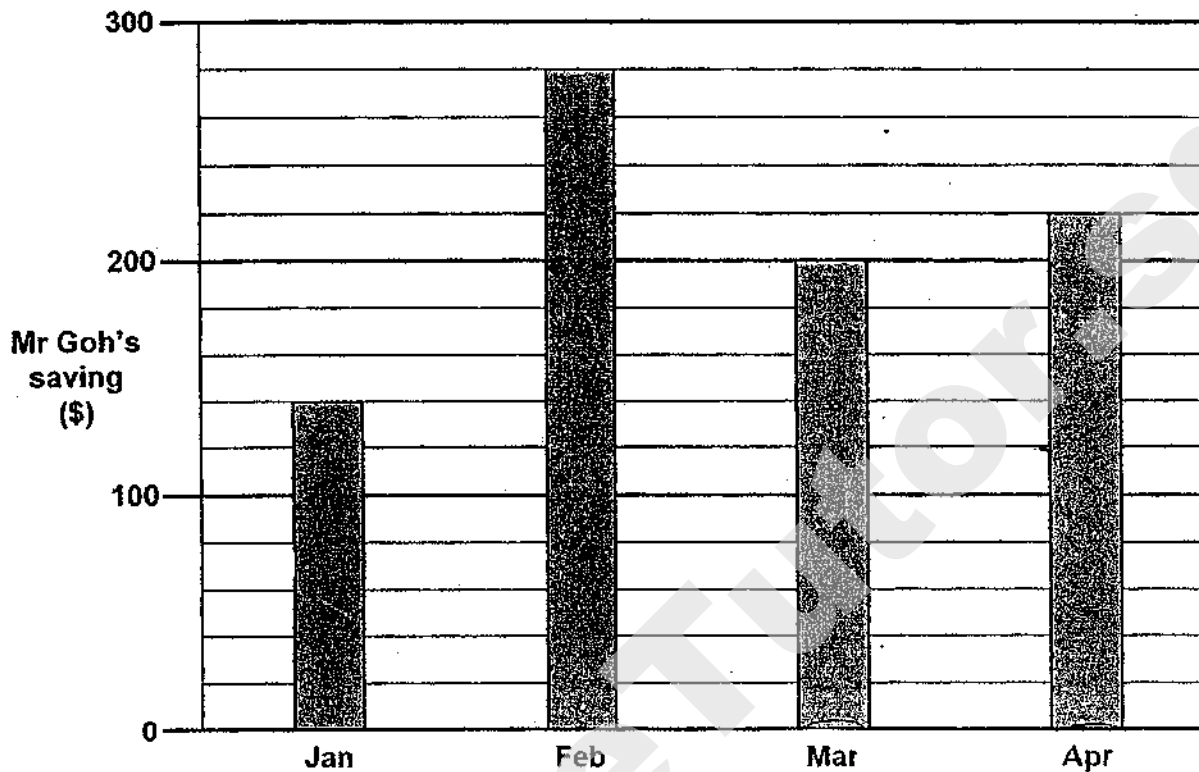
Ans: _____ kg

4. The base of a cuboid is a square of side 9 cm. The height of the cuboid is 15 cm. Find the volume of the cuboid.

Ans: _____ cm^3

5. Mr Goh's monthly salary is \$1500. The bar graph below shows Mr Goh's savings from January to April.

Do not write
in this space



Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
(a) Mr Goh spent the most in the month of January.			
(b) Mr Goh saved \$410 altogether in the month of March and April.			



For Questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. For questions which require units, give your answers in the units stated.

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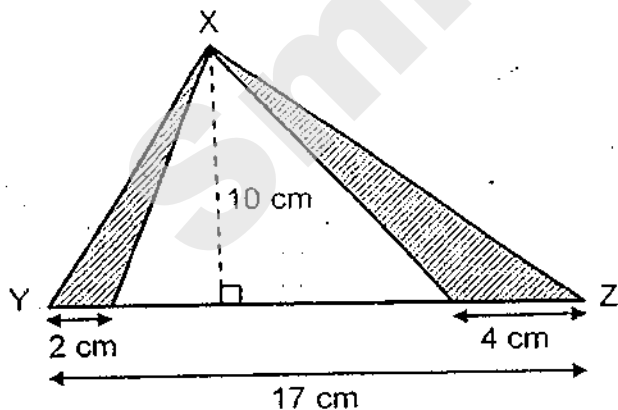
All diagrams in this paper are not drawn to scale unless stated otherwise.

(45 marks)

6. There were twice as many adults as children in a concert. $\frac{1}{5}$ of the children were girls and the rest were boys. There were 240 more adults than boys. How many people were there at the concert?

Ans: _____ [3]

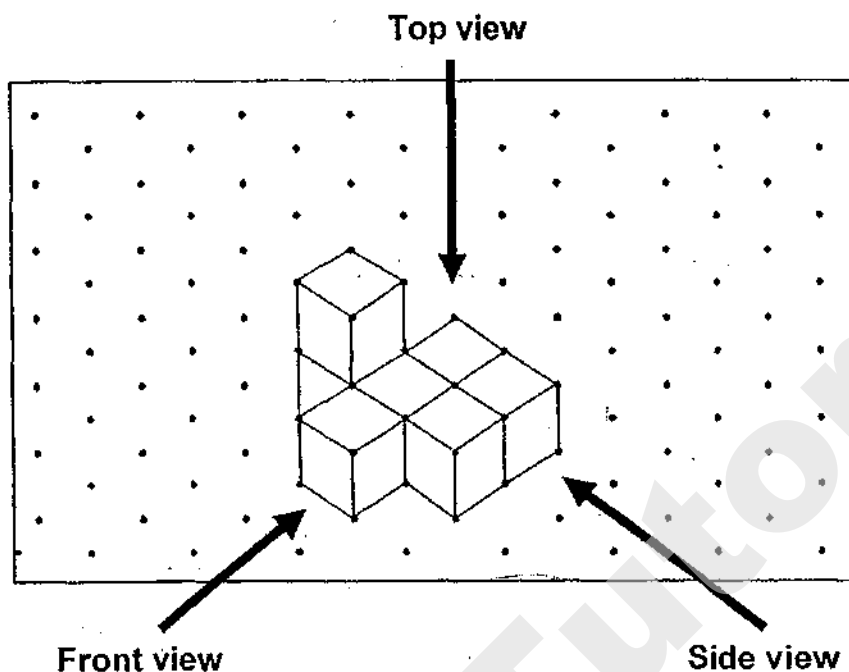
7. Find the area of the shaded parts in Triangle XYZ.



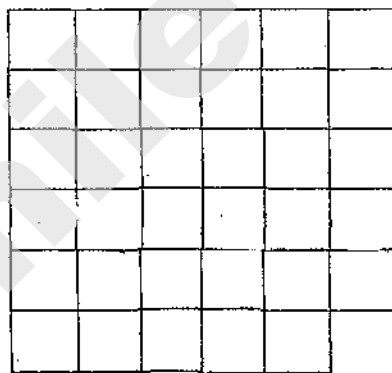
Ans: _____ [3]

8. Draw the different views of the solid shown below in the grid square provided.

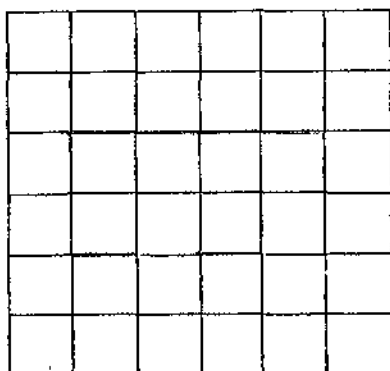
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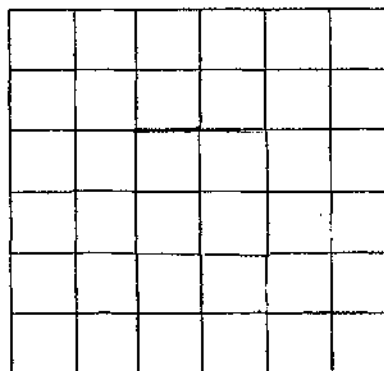
Top view



Front view



Side view



[3]

9. The ratio of the number of cats to the number of rabbits to the number of dogs in an animal adoption centre is 6 : 5 : 13. There are 32 more dogs than the total number of cats and rabbits at the centre. How many cats, rabbits and dogs are there altogether?

Do not write
in this space

Ans: _____ [3]

10. Jerry had some money. After spending \$200 on a watch and $\frac{2}{7}$ of his remaining money on a shirt, he had $\frac{1}{3}$ of the total amount of money left. How much money did he have at first?

Ans: _____ [3]

11. Amy, Brina and Cindy shared \$370. After Amy gave \$48 of her money to Brina, Amy's money became thrice of Brina's money. Cindy had \$60 more than Brina in the end.

- (a) How much money did Brina have at first?
- (b) How much money did Cindy have?

Do not write
in this space

Ans: (a) _____ [2]

(b) _____ [2]

--

12. Ricky has thrice as many stickers as Hamid. The total number of stickers that Ricky and Hamid have is half of the number of stickers that Liming has. Liming has 60 stickers more than Benny. All the four boys have a total of 300 stickers.

Do not write
in this space

- (a) How many stickers does Hamid have?
- (b) How many more stickers does Benny have than Ricky?

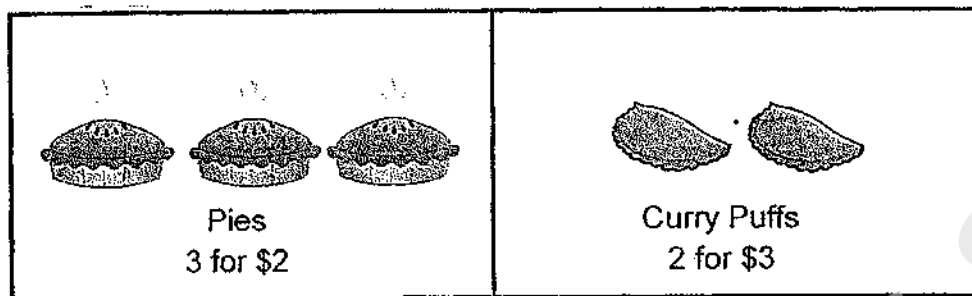
Ans: (a) _____ [2]

(b) _____ [2]

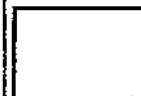


13. Mary bought an equal number of pies and curry puffs. She spent \$26 on buying the pies and curry puffs. How many pies did she buy?

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in this space

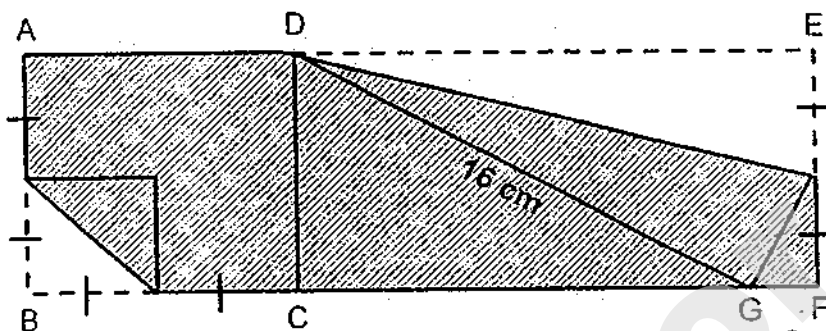


Ans: _____ [4]



A piece of paper is made up of square ABCD and rectangle CDEF. Square ABCD and Rectangle CDEF are folded to form the figure as shown below. The length of Rectangle CDEF is twice its breadth. DG is 16 cm. Find the area of the shaded folded figure.

Do not write
in this space



Ans: _____ [4]

15. 2 identical notebooks cost as much as 5 identical files. Peter bought 6 such notebooks and 7 such files for \$74.80. What was the total cost of 1 notebook and 1 file?

Do not write
in this space

Ans: _____ [4]

☐

16. In January, , Mark and Kelly received a total of \$192 pocket money from their mother. Mark's pocket money was twice of Kelly's pocket money. In February, their mother gave Kelly an additional \$40.

Do not write
in this space

- (a) What was Mark's pocket money?
- (b) How much must Mark give to Kelly so that each of them has the same amount of pocket money in February?

Ans: (a) _____ [2]

(b) _____ [3]



17. Company Kovan has 40 workers and 1 manager. Each worker contributed \$28 towards a party. The ratio of the amount of money contributed by one worker to the amount of money contributed by the manager is 7 : 11. $\frac{1}{2}$ of the total amount of money contributed was spent on food, $\frac{1}{6}$ of the total amount of money contributed was spent on decoration. After spending \$95 on drinks and some money on prizes, there was \$43 left.

- (a) What was the total amount of money contributed?
(b) How much money was spent on the prizes?

Do not write
in this space

Ans: (a) _____ [2]

(b) _____ [3]



End of paper
Have you checked your work?

SCHOOL : ROSYTH PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA1

PAPER 1 : BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
4	1	2	3	1	4	2	2
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
3	4	2	3	4	3	3	

PAPER 1 : BOOKLET B

Q16	$150 \times 6 = 9\ 000$										
Q17	$10 - 2 : 4 + 3 \rightarrow 8 : 7$										
Q18	$\frac{23}{10} - \frac{4}{10} = 1\frac{9}{10}$										
Q19	$3.5\text{ L} = 3500\text{ml}$										
Q20	<table border="1"> <caption>Number of visitors each month</caption> <thead> <tr> <th>Month</th> <th>Number of visitors</th> </tr> </thead> <tbody> <tr> <td>March</td> <td>50</td> </tr> <tr> <td>April</td> <td>30</td> </tr> <tr> <td>May</td> <td>80</td> </tr> <tr> <td>June</td> <td>40</td> </tr> </tbody> </table>	Month	Number of visitors	March	50	April	30	May	80	June	40
Month	Number of visitors										
March	50										
April	30										
May	80										
June	40										
Q21	$200 - (80 \times 2) + 10$ $= 200 - 160 + 10$ $= 50$										
Q22	$146 \div 4 = 36\text{ R }2$ Ans: 37										
Q23	$ABE : BEC : ACD = 3 : 7 : 10$ $3u \rightarrow 15\text{cm}^2$ $20u \rightarrow 15 \div 3 \times 20 = 100\text{cm}^2$ $\sqrt{100} = 10\text{cm}$										
Q24	$\frac{5}{12} \times \frac{9}{10} = \frac{45}{120} = \frac{3}{8}$										
Q25	Breadth $\rightarrow 20 \div 4 = 5\text{cm}$ Length $\rightarrow 20\text{cm}$ Total $\rightarrow 20 + 20 + 20 + 5 + 20 + 10 + 20 + 5 + 20 + 20 = 160$										
Q26	Breadth $\rightarrow 3\text{cm}$ Length $\rightarrow 4 + 3 + 5 + 3 + 2 = 17\text{cm}$ Area $\rightarrow 17 \times 3 = 51\text{cm}^2$										

Q27	
Q28	
Q29	<p>$B : C : S \rightarrow 2u + 10 : 2u + 1u + 5$</p> <p>$5u + 15 \rightarrow \\120</p> <p>$1u \rightarrow (\\$120 - \\$15) \div 5 = \\$21$</p> <p>Cap $\rightarrow \\$21 \times 2 = \\42</p> <p>T-shirt $\rightarrow \\$21 + \\$5 = \\$26$</p> <p>Ans: $\\$42 - \\$26 = \\$16$</p>
Q30	$\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$

PAPER 2

Q1	T	800g			
	R	800g	500g		
	S	800g	500g	800g	500g
	$R \rightarrow 800 + 500 = 1300$ $S \rightarrow 1300 \times 2 = 2600g$				
Q2	T	1u			
	K	1u	12		
	R	1u	12	20	
	$12 + 12 + 20 = 44$ $3u \rightarrow 284 - 44 = 240$ $1u \rightarrow 240 \div 3 = 80$ $R \rightarrow 80 + 12 + 20 = 112$				
Q3	Total $\rightarrow 4\frac{5}{7}kg$ Bake $\rightarrow \frac{2}{11} \times 4\frac{5}{7} = \frac{6}{7}kg$ Charity $\rightarrow \frac{1}{2}kg$ Left $\rightarrow 4\frac{5}{7} - \frac{6}{7} - \frac{1}{2} = 3\frac{5}{14}kg$				
	Q4 Volume $\rightarrow 9 \times 9 \times 15 = 1215cm^3$				
	Q5 a) True b) False				

Q13	<p>6 pies $\rightarrow \\$2 \times 2 = \\4</p> <p>6 puffs $\rightarrow \\$3 \times 3 = \\9</p> <p>1 sets $\rightarrow \\$4 + \\$9 = \\$13$</p> <p>Total sets $\rightarrow \\$26 \div \\$13 = 2$</p> <p>2 sets $\rightarrow 2 \times 6 \text{ pies} = 12 \text{ pies}$</p>
Q14	<p>DE $\rightarrow 16\text{cm}$</p> <p>Breath $\rightarrow 16 \div 2 = 8\text{cm}$</p> <p>Whole rectangle area $\rightarrow (16 + 8) \times 8 = 192\text{cm}^2$</p> <p>Folded part $\rightarrow (\frac{1}{2} \times 4 \times 4) + (\frac{1}{2} \times 16 \times 4) = 8 + 32 = 40$</p> <p>Shaded part $\rightarrow 192 - 40 = 152\text{cm}^2$</p>
Q15	<p>$2N = 5F$</p> <p>$6N + 7F = \\$74.80$</p> <p>$15F + 7F = \\74.80</p> <p>$1F = \\$74.80 \div 22 = \\3.40</p> <p>$2N = \\$3.40 \times 5 = \\17.00</p> <p>$1N = \\$8.50$</p> <p>$1N + 1F = \\$8.50 + \\$3.40 = \\11.90</p>
Q16	<p>a) $M : K = 2 : 1$</p> <p>$\\$192 \div 3 = \\64</p> <p>$M \rightarrow \\$64 \times 2 = \\128</p> <p>b) $\\$64 - \\$40 = \\$24$</p> <p>$\\$24 \div 2 = \\$12$</p>
Q17	<p>a) $W : M \rightarrow 7 : 11$</p> <p>$7u \rightarrow 28$</p> <p>$1u \rightarrow 28 \div 7 = 4$</p> <p>$11u \rightarrow 4 \times 11 = 44$</p> <p>$40W \rightarrow 28 \times 40 = 1120$</p> <p>TOTAL $\rightarrow 1120 + 44 = \\1164</p> <p>b) $\\$1164 \div 3 = \\388</p> <p>PRIZES $\rightarrow \\$388 - \\$95 - \\$43 = \\250</p>

SINGAPORE CHINESE GIRLS' SCHOOL

FIRST SEMESTRAL ASSESSMENT 2019

PRIMARY 5

**MATHEMATICS
PAPER 1**

BOOKLET A

Name : _____

13 May 2019

Class : Primary 5 SY

		Marks attained	Max Mark
Paper 1	Booklet A		20
	Booklet B		25
Paper 2			55
Total Marks			100

Parent's Signature

15 Questions

20 Marks

Total Time for Booklets A and B: 1 h

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of calculator is NOT allowed.

Booklet A

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.

For each question, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

1. What is the place value of 5 in 1 586 924?

- (1) millions
- (2) thousands
- (3) ten thousands
- (4) hundred thousands

2. Round off 587 497 to the nearest thousand.

- (1) 580 000
- (2) 587 000
- (3) 588 000
- (4) 590 000

3. Express $1\frac{3}{5}$ as a decimal.

- (1) 1.3
- (2) 1.5
- (3) 1.6
- (4) 1.7

4. Which one of the following fractions is the smallest?

(1) $\frac{2}{5}$

(2) $1\frac{1}{4}$

(3) $\frac{2}{3}$

(4) $\frac{7}{6}$

5. Find the value of $4\frac{3}{5} - 2\frac{2}{3}$.

(1) $1\frac{1}{3}$

(2) $1\frac{14}{15}$

(3) $2\frac{1}{2}$

(4) $2\frac{1}{15}$

6. Find the value of $\frac{5}{6} \times \frac{3}{4}$.

(1) $\frac{1}{3}$

(2) $\frac{1}{5}$

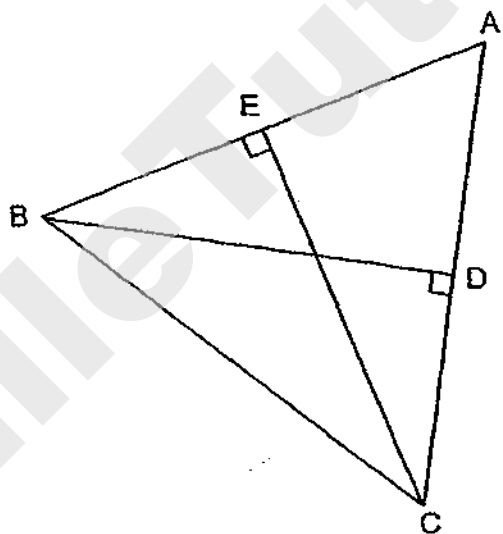
(3) $\frac{5}{8}$

(4) $\frac{4}{5}$

7. There are 42 children in a class. 26 are boys. Find the ratio of the number of girls to the total number of children.

- (1) 8 : 13
- (2) 8 : 21
- (3) 13 : 8
- (4) 13 : 21

8. Given the base is AB, which line is the height of the triangle?



- (1) AC
- (2) BC
- (3) BD
- (4) CE

9. $8\text{ l } 2\text{ ml} = \underline{\hspace{2cm}}\text{ ml}$

- (1) 82 ml
- (2) 8002 ml
- (3) 8020 ml
- (4) 8200 ml

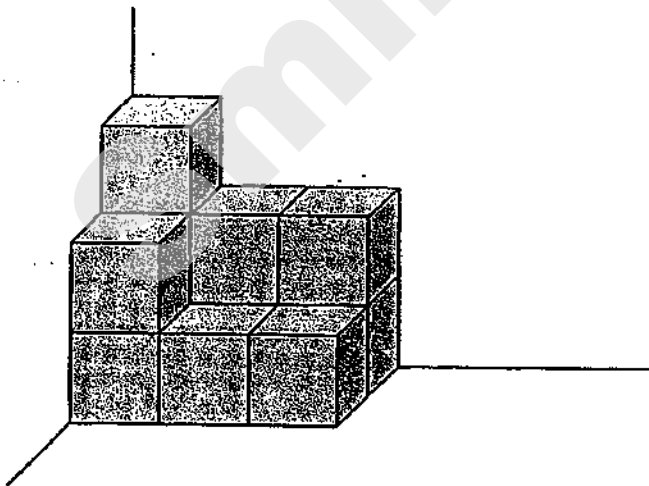
10. Find the value of $(27 \div 3 \times 6) - (20 \div 2 - 5)$.

- (1) 30
- (2) 40
- (3) 75
- (4) 175

11. At a concert, $\frac{2}{5}$ of the children are boys and the rest are girls. How many children are there if there are 90 girls?

- (1) 30
- (2) 60
- (3) 90
- (4) 150

12. Find the number of cubes in the solid below.



- (1) 9
- (2) 10
- (3) 11
- (4) 12

13. A guitar costs \$75. A drum costs 10 times as much as the guitar. A piano costs 10 times as much as the drum. How much did Mr Singh pay if he bought a guitar and a piano?
- (1) \$825
(2) \$7575
(3) \$8250
(4) \$8325
14. The ratio of the number of males to the number of females in an Art class is 2 : 3. 18 females decided to drop out of the Art class. The ratio of the number of males to the number of females became 4 : 3. How many male members are there in the Art class?
- (1) 12
(2) 18
(3) 24
(4) 27
15. A repeated pattern is formed using the characters I, C, S and ♥.
The first 10 characters in the sequence are shown below.
- I ♥ S C I ♥ S C I ♥
- What is the 101th alphabet in this sequence?
- (1) I
(2) C
(3) S
(4) ♥

End of Booklet A

SINGAPORE CHINESE GIRLS' SCHOOL

FIRST SEMESTRAL ASSESSMENT 2019

PRIMARY 5

**MATHEMATICS
PAPER 1**

BOOKLET B

Name : _____

13 May 2019

Class : Primary 5

Paper 1	Mark attained	Max Mark
Booklet B		25

**15 Questions
25 Marks**

Total Time for Booklets A and B: 1 h

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of calculator is NOT allowed.

Booklet B

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (5 marks)

Do not write in
this column

16. Write one million, one thousand and one in numerals.

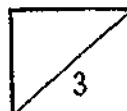
Ans: _____

17. Express $\frac{3}{7}$ as a decimal correct to 2 decimal places.

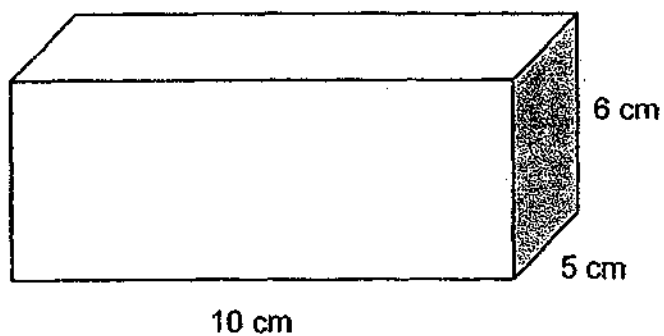
Ans: _____

18. 10 boys shared 4 l of fruit juice. How much fruit juice can each boy get?

Ans: _____ l



19. Find the volume of the cuboid below.

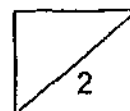


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Ans: _____ cm^3

20. Express the ratio of 5 g to 1 kg in the simplest form.

Ans: _____

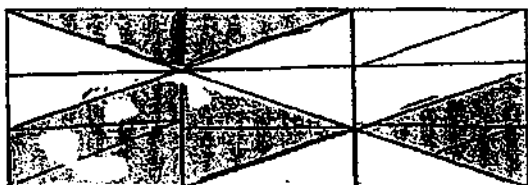


Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.
(20 marks)

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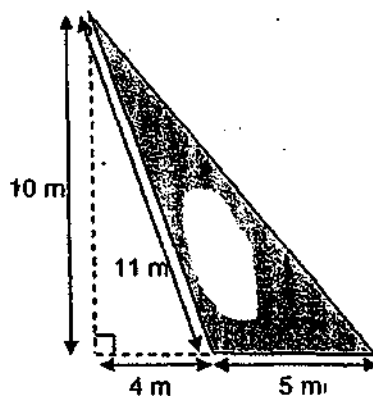
21. The figure below consists of 3 identical rectangles.

What fraction of the figure is shaded?

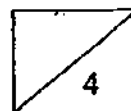


Ans: _____

22. What is the area of the shaded triangle below?



Ans: _____ m²



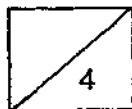
23. \$630 is shared between Alicia, Bella and Cassia in the ratio 2 : 1 : 4. How much more money did Cassia receive than Bella?

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this column

Ans: \$ _____

24. A box weighed 31.04 kg when it had 9 identical balls in it. It weighed 35.2 kg when it had 11 identical balls in it. Find the mass of one identical ball.

Ans: _____ kg



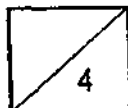
25. Jordan had \$280. He spent $\frac{1}{7}$ of it on a birthday gift to his friend and $\frac{1}{2}$ of the remainder on his enrichment fees. How much money did he have left?

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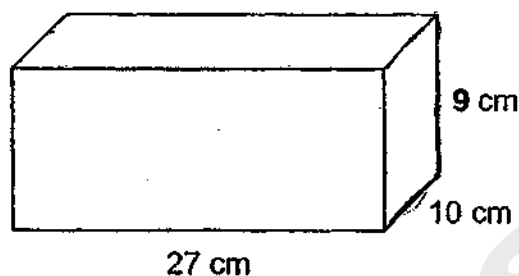
Ans: \$ _____

26. Prisha, Vicky and Aishah shared 105 pieces of chocolates. The chocolate that Prisha and Aishah had was in the ratio 1 : 2. The chocolate that Aishah and Vicky had was in the ratio 4 : 1. How many chocolates did Aishah have?

Ans: _____



27. How many 2 cm cubes can you fit into a tank measuring 27 cm by 10 cm by 9 cm?

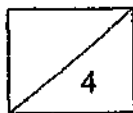


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Ans: _____

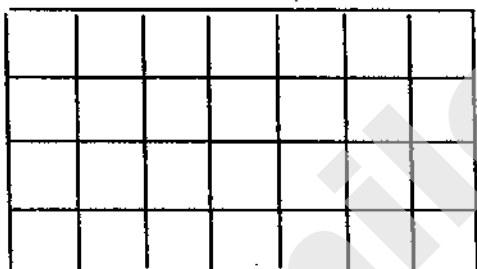
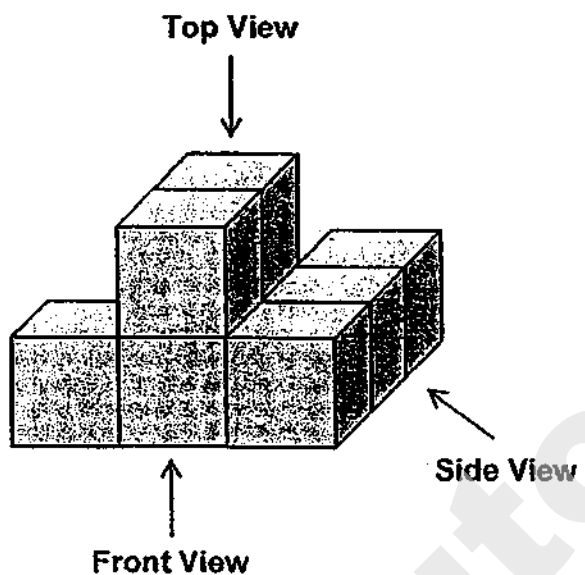
28. Peter and John had 110 oranges altogether. $\frac{3}{5}$ of Peter's oranges is equal to $\frac{1}{2}$ of John's oranges. How many oranges does Peter have?

Ans: _____

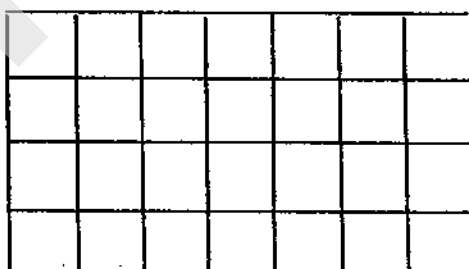


29. Draw the top and side view of the solid below.

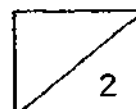
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Top View [1]



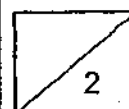
Side View [1]



30. Mrs Tan needed to sew a number of dolls for the SC carnival. She sewed 1 doll on the 1st day. She doubled the number she sewed every day. On the 4th day, she finished sewing the number of dolls required. How many dolls did she sew altogether?

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Ans: _____



End of Booklet B

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SINGAPORE CHINESE GIRLS' SCHOOL

FIRST SEMESTRAL ASSESSMENT 2019

PRIMARY 5

MATHEMATICS

PAPER 2

Name : _____

13 May 2019

Class : Primary 5 SV

Paper 2	Mark	Max Mark	Parent's Signature
		55	

17 Questions
55 Marks

Total Time for Paper 2: 1 h 30 min

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of calculator is allowed.

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Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

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1. Danielle had 240 coins. The ratio of the number of 10-cent coins to the number of 20-cent coins to the number of 50-cent coins was 2 : 5 : 1. What is the value of 10-cent coins Danielle had?

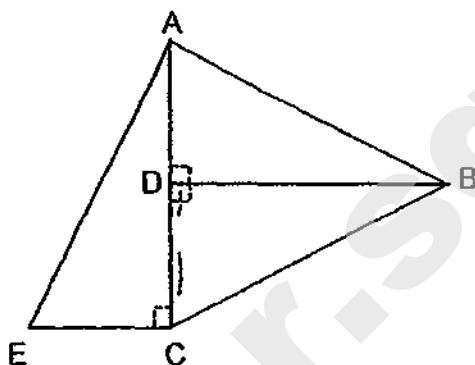
Ans: \$ _____

2. Cindy had some water. She used $\frac{8}{9}$ of it to water the plants and the remaining $\frac{1}{6}$ ℓ of the water for cooking. How much water did she have at first?

Ans: _____ ℓ

3. The figure below is formed by 3 identical triangles. AC is 15 cm. Find the area of the figure.

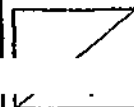
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Ans: _____ cm^2

4. The ratio of Jun Xian's marbles to Wei Kang's marbles is 4 : 9 . Wei Kang had 36 marbles. How many marbles did Wei Kang have to give to Jun Xian so that both of them will have an equal number of marbles?

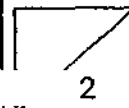
Ans: _____



5. At a bus interchange, some passengers boarded the bus. At the first bus stop, $\frac{2}{5}$ of the passengers alighted from the bus. At stop B, $\frac{3}{4}$ of the remaining passengers alighted from the bus. What fraction of original number of passengers was left on the bus?

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this column

Ans: _____



For questions 6 to 17, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks awarded is shown in brackets [] at the end of each question or part-question. (50 marks)

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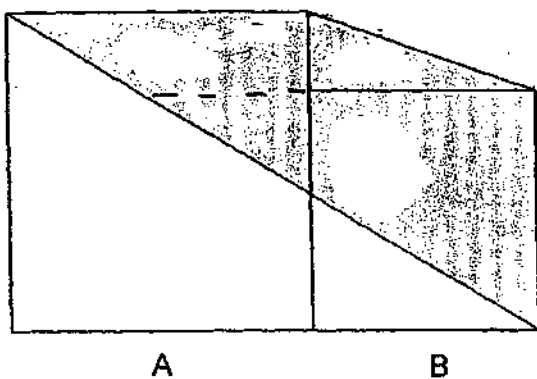
6. Jonathan is 11 years old and his elder brother, Ivan, is 17 years old. How many years ago was Ivan three times as old as Jonathan?

Ans: _____ [3]



7. The area of Square A and Square B are 64 cm^2 and 36 cm^2 respectively.
Find the shaded area.

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this column



Ans: _____ [3]



8. The cost of an ice cream is \$3.60. For every 5 ice cream bought, the 6th one would be free. A teacher wanted to buy an ice cream for each of his students. He paid a total of \$216. How many students did he have?

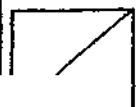
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Ans: _____ [3]

9. A jug has 1500 ml of water. A cup can hold 120 ml of water.
- a) What is the maximum number of cups that can be filled completely?
- b) How much water was left in the jug?

Ans: a) _____ [1]

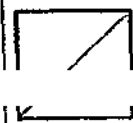
b) _____ [2]



10. Kenny had some money. He bought 8 cups of water and 2 cups of chocolate milk with $\frac{4}{5}$ of his money. The cost of a cup of chocolate milk is 6 times as much as a cup of water. How many more cups of water can he buy with his remaining money?

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Ans: _____ [3]

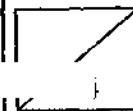


11. A factory produced a total of 850 pink and blue hairclips. $\frac{1}{3}$ of the pink hairclips and 100 of the blue hairclips were sold. There was an equal number of pink and blue hairclips left in the end. Express the ratio of the number of pink hairclips to blue hairclips at first.

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this column

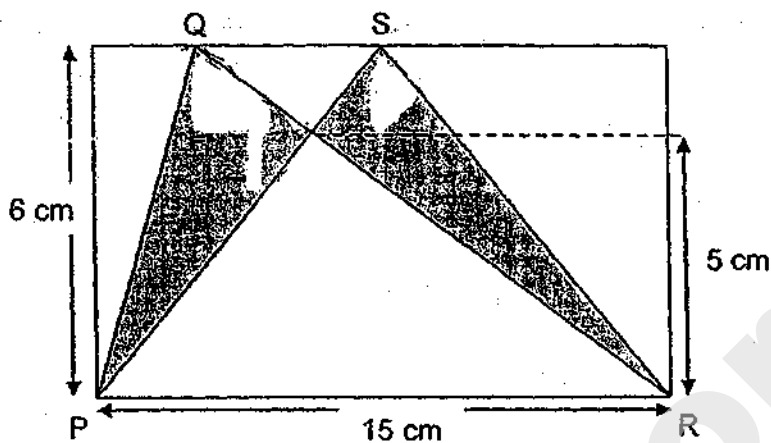
Ans: _____

141

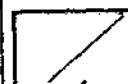


12. In the figure below, PQR and PSR are two overlapping triangles in a rectangle. Find the shaded area.

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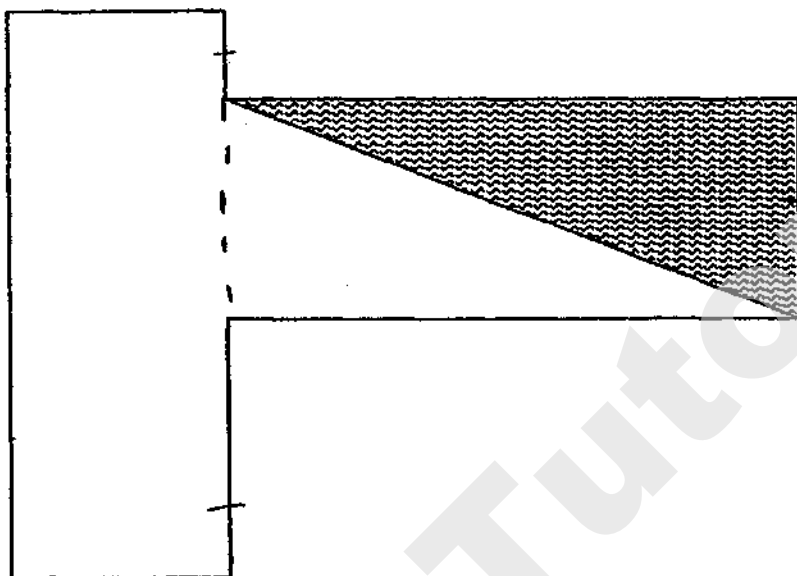
Ans: _____ [4]



13. The garden below is made up of 2 identical rectangular plots of land each measuring 80 m by 30 m. There is a triangular pond in the garden.

a) Find the perimeter of the garden.

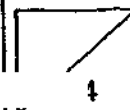
b) Find the area of the garden not covered by the pond.



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Ans: a) _____ [2]

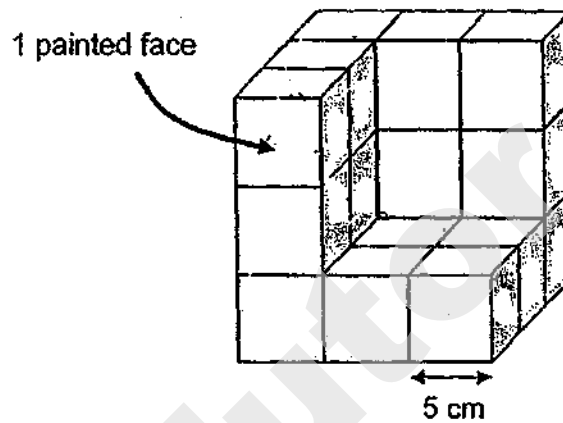
b) _____ [2]



14. The figure below is made up of identical cubes.

The side of each cube is 5 cm. The whole figure (including the base) is painted.

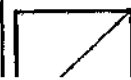
- (a) Find the number of painted faces.
(b) Find the surface area of the figure that is painted.



Ans: (a) _____ [1]

(b) _____ [3]

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this column



15. Mr Lee made a total of 100 porcelain bowls and plates. He sold them for \$862. Plates were sold at \$7.90 each while bowls were sold at \$8.90 each. How many bowls did Mr Lee make?

Do not write in
this column

Ans: _____ [4]

16. Adult and children admission tickets to a concert were sold over Saturday and Sunday. The same number of tickets were sold on both days. The ratio of the number of adult tickets sold to the number of children tickets sold on Saturday was 3 : 2. The ratio of the number of adult tickets sold to the number of children tickets sold on Sunday was 1 : 2. The total amount of children tickets sold on both days was 800.

- a) What fraction of the total number of tickets sold on both days are adult tickets?
- b) If an adult ticket cost \$8 and a child ticket cost \$4.50. Find the amount of money collected from the sale of tickets on both days.

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this column

Ans: a) _____ [2]

b) _____ [3]

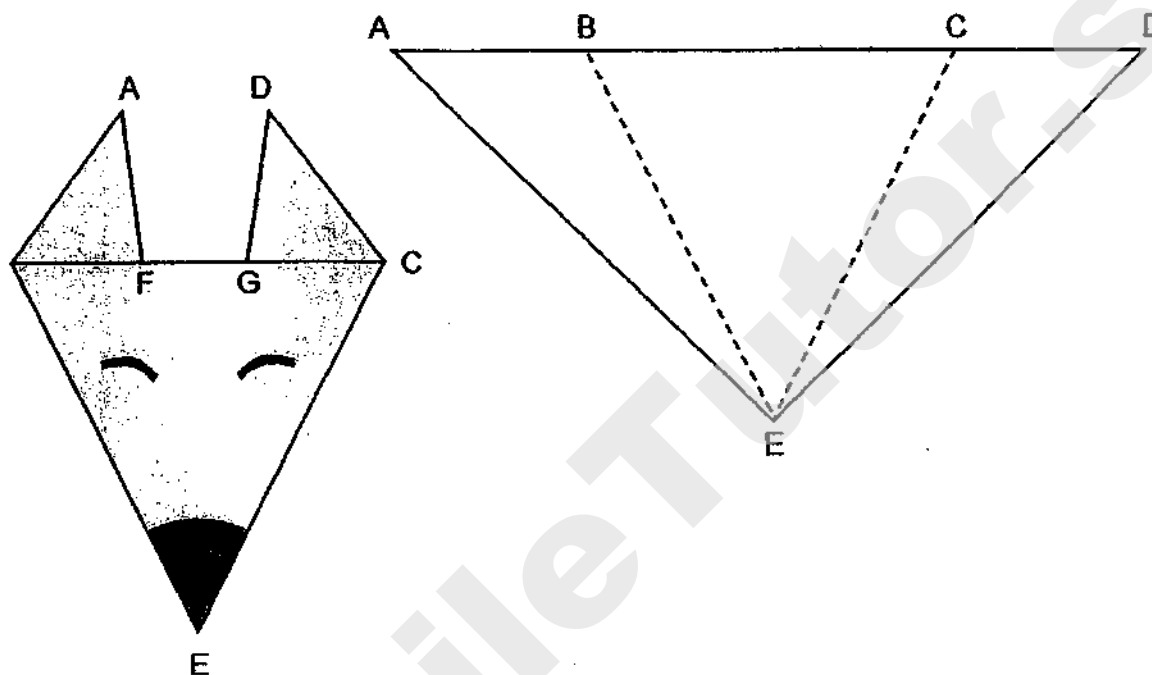


17. Damien made a symmetrical origami fox using a right-angled triangular paper AED. $AE = ED = 14$ cm and $BE = CE$. The area of triangle BCE is 2 times that of triangle CDE. He then folded the 2 corners of the triangle to the back and formed the fox below. After folding, $\frac{3}{5}$ of triangle CDE was hidden.

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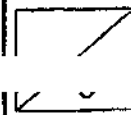
a) What is the ratio of the area of triangle DCG to the area of triangle BCE?

b) Find the shaded area.



Ans: a) _____ [2]

b) _____ [3]



SCHOOL : SCGS PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA1

PAPER ONE

Q1	4	Q2	2	Q3	3	Q4	1	Q5	2
Q6	3	Q7	2	Q8	4	Q9	2	Q10	2
Q11	4	Q12	3	Q13	2	Q14	3	Q15	1

Q16) 1 001 001

Q17) 0.43

Q18) $\frac{4}{10}$

Q19) 300cm^3

Q20) 1 : 200

Q21) $\frac{1}{2}$

Q22) $\frac{1}{2} \times 5 \times 10 = \underline{25\text{m}^2}$

Q23) $2 + 1 + 4 = 7$

$$7u \rightarrow 630$$

$$1u \rightarrow 630 \div 7 = 90$$

$$4 - 1 = 3$$

$$3u \rightarrow 90 \times 3 = \underline{\$270}$$

$$\text{Q24)} 11 - 9 = 2$$

$$2 \text{ balls} \rightarrow 35.2 - 31.04 = 4.16$$

$$1 \text{ ball} \rightarrow 4.16 \div 2 = \underline{2.08\text{kg}}$$

$$\text{Q25)} 6 \div 2 = 3$$

$$7u \rightarrow 280$$

$$1u \rightarrow 280 \div 7 = 40$$

$$3u \rightarrow 40 \times 3 = \underline{\$120}$$

$$\text{Q26)} P : A \quad A : V$$

$$1 : 2 \text{ (x2)} \quad 4 : 1$$

$$2 : 4$$

$$P \rightarrow 2u$$

$$A \rightarrow 4u$$

$$V \rightarrow 1u$$

$$2 + 4 + 1 = 7$$

$$7u \rightarrow 105$$

$$1u \rightarrow 105 \div 7 = 15$$

$$4u \rightarrow 15 \times 4 = \underline{60 \text{ chocolates}}$$

$$\text{Q27)} 27 \div 2 \approx 13$$

$$10 \div 2 = 5$$

$$9 \div 2 \approx 4$$

$$13 \times 5 \times 4 = \underline{260 \text{ cubes}}$$

Q28) 1u of J's oranges is 3u of Peter's

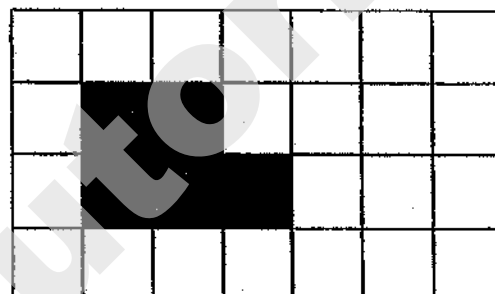
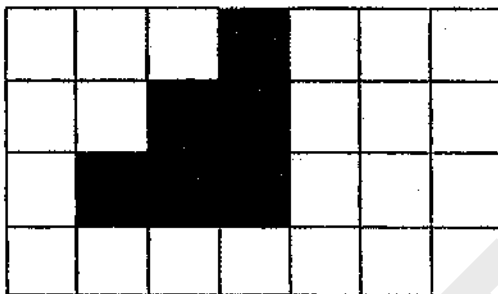
$$\text{Total no of u} \rightarrow (3 \times 2) + 5 = 11$$

$$11\text{u} \rightarrow 110$$

$$1\text{u} \rightarrow 110 \div 11 = 10$$

$$5\text{u} \rightarrow 10 \times 5 = \underline{50 \text{ oranges}}$$

Q29)



Q30) 1st day $\rightarrow 1$

$$2^{\text{nd}} \text{ day} \rightarrow 1 \times 2 = 2$$

$$3^{\text{rd}} \text{ day} \rightarrow 2 \times 2 = 4$$

$$4^{\text{th}} \text{ day} \rightarrow 4 \times 2 = 8$$

$$\text{Total} \rightarrow 1 + 2 + 4 + 8 = \underline{15 \text{ dolls}}$$

PAPER TWO

Q1) 10cent : 20cent : 50cent

$$2 : 5 : 1$$

$$\text{Total u} \rightarrow 2 + 5 + 1 = 8$$

$$8\text{u} \rightarrow 240$$

$$1\text{u} \rightarrow 240 \div 8 = 30$$

$$2\text{u} \rightarrow 30 \times 2 = 60$$

$$60 \times 0.10 = \underline{\$6}$$

Q2) $\frac{1}{9} \rightarrow \frac{1}{6}$ litres

$$\frac{9}{9} \rightarrow 9 \times \frac{1}{6} = 1\frac{1}{2} \text{ litres}$$

Ans: $1\frac{1}{2}$ litres

Q3) B base $\rightarrow 15 \div 2 = 7.5$

B height $\rightarrow 15\text{cm}$

B area $\rightarrow \frac{1}{2} \times 15 \times 7.5 = 56.25$

All are identical $\rightarrow 56.25 \times 3 = \underline{168.75\text{cm}^2}$

Q4) J : W

4 : 9

9u $\rightarrow 36$

13u $\rightarrow (36 \div 9) \times 13 = 52$

52 $\div 2 = 26$

36 $- 26 = \underline{10 \text{ marbles}}$

Q5) 1u $\rightarrow 4$ parts

5u $\rightarrow 4 \times 5 = 20$ parts

1st stop $\rightarrow 4 \times 2 = 8$ parts

2nd stop $\rightarrow 9$ parts

1st and 2nd total $\rightarrow 8 + 9 = 17$ parts

Remaining $\rightarrow 20 - 17 = 3$

Fraction $\rightarrow \frac{3}{20}$

Ans: $\frac{3}{20}$ passengers left

Q6) Age difference $\rightarrow 17 - 11 = 6$

$2u \rightarrow 6$

$3u \rightarrow (6 \div 2) \times 3 = 9$

$17 - 9 = \underline{8 \text{ years ago}}$

Q7) Side of Sq A $\rightarrow \sqrt{64} = 8$

Side of Sq B $\rightarrow \sqrt{36} = 6$

Unshaded tri $\rightarrow \frac{1}{2} \times 14 \times 8 = 56$

$(64 + 36) - 56 + (\frac{1}{2} \times 6 \times 2) = \underline{50\text{cm}^2}$

Q8) 5 ice creams $\rightarrow 3.60 \times 5 = 18$

1 set $\rightarrow 5 \text{ ice creams} + 1 \text{ free } (\$18)$

$216 \div 18 = 12$

12 sets $\rightarrow 60 \text{ ice creams} + 12 \text{ free}$

$60 + 12 = \underline{72 \text{ students}}$

Q9a) $1500 \div 120 = \underline{12 \text{ cups (r5)}}$

Q9b) $12 \times 120 = 1440$

$1500 - 1440 = \underline{60\text{ml}}$

Q10) $6 \times 2 = 12$

$12 + 8 = 20$

$4u \rightarrow 20$

$1u \rightarrow 20 \div 4 = \underline{5 \text{ cups of water}}$

Q11) $5u \rightarrow 850 - 100 = 750$

$1u \rightarrow 750 \div 5 = 150$

Blue at first $\rightarrow 150 + 150 + 100 = 400$

Pink at first $\rightarrow 150 \times 3 = 450$

$$450 : 400 (\div 5)$$

$$90 : 80 (\div 10)$$

$$9 : 8$$

Ans: 9 : 8

$$\text{Q12) } \Delta PQR \rightarrow \frac{1}{2} \times 15 \times 6 = 45$$

$$\text{Unshaded } \Delta \rightarrow \frac{1}{2} \times 15 \times 5 = 37.5$$

$$\text{Shaded area} \rightarrow 2 \times (45 - 37.5) = \underline{15\text{cm}^2}$$

$$\text{Q13a) Perimeter} \rightarrow (80 \times 4) + (30 \times 2) = \underline{380\text{m}}$$

$$\text{Q13b) Not covered} \rightarrow \frac{3}{4} \times 80 \times 30 \times 2 = \underline{3600\text{m}^2}$$

$$\text{Q14a) No of faces} \rightarrow 9 \times 6 = \underline{54}$$

$$\text{Q14b) Area of 1 painted face} \rightarrow 5 \times 5 = 25$$

$$\text{Total area} \rightarrow 25 \times 54 = \underline{1350\text{cm}^2}$$

Q15) Assume all are plates.

$$100 \times 7.90 = 790$$

$$\text{Total diff} \rightarrow 862 - 790 = 72$$

$$\text{Unit diff} \rightarrow 8.90 - 7.90 = 1$$

$$\text{No of bowls} \rightarrow 72 \times 1 = \underline{72 \text{ bowls}}$$

Q16a)	Saturday	Sunday
	A:C Total	A:C Total
	3:2 5	1:2 3
	9:6 15	5:10 15

Total adult $u \rightarrow 9 + 5 = 14u$

Total $u \rightarrow 15 + 15 = 30$

Fraction $\rightarrow \frac{14}{30}$

Ans: $\frac{14}{30}$

Q16b) Total children $u \rightarrow 6 + 10 = 16$

$16u \rightarrow 800$

$1u \rightarrow 800 \div 16 = 50$

$14u \rightarrow 50 \times 14 = 700$

Collected $\rightarrow (700 \times 8) + (800 \times 4.50) = \underline{\$9200}$

Q17a) DCG : CDE : BCE

2 : 5 : 10

DCG : BCE

2 : 10 = 1 : 5

Q17b) Area of CDE $\rightarrow \frac{1}{4} \times \frac{1}{2} \times 14 \times 14 = 24\frac{1}{2}$

$\frac{2}{5}$ of CDE $\rightarrow \frac{2}{5} \times 24\frac{1}{2} = 9.8$

Shaded area $\rightarrow 49 + (9.8 \times 2) = \underline{68.6\text{cm}^2}$

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Name: _____ ()

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2019 Mid - Year Assessment

Paper 1

Booklet A

14 May 2019

**15 questions
20 marks**

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of calculators is **NOT** allowed.

This booklet consists of 8 printed pages.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3, or 4) on the Optical Answer Sheet.

(20 marks)

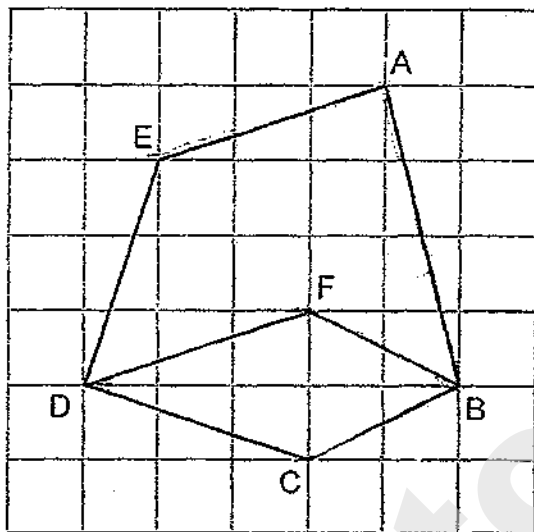
1. In 315 049, what is the value of the digit in the thousands place?

- (1) 5
- (2) 5000
- (3) 15 000
- (4) 315 000

2. $4\,862\,703 = 4\,000\,000 + 800\,000 + \underline{\hspace{2cm}} + 3$

- (1) 60 000
- (2) 62 000
- (3) 62 700
- (4) 62 703

3. In the figure below, which two lines are parallel to each other?



- (1) BC and DF
- (2) BC and BF
- (3) AE and DF
- (4) AB and DE

4. $2.106 \times 100 =$ _____

- (1) 0.02106
- (2) 0.2106
- (3) 21.06
- (4) 210.6

5. Amos gave $\frac{3}{7}$ of his badges to Louis and had 168 badges left. How many badges did he give Louis?

(1) 294

(2) 126

(3) 96

(4) 72

6. What is the missing number in the box?

$$\frac{10}{18} = \frac{35}{\boxed{?}}$$

(1) 39

(2) 43

(3) 59

(4) 63

7. Henry left school at 11.45 a.m. He took 19 minutes to travel home from school. At what time did Henry reach home?

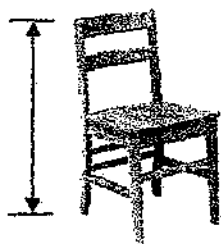
(1) 12.04 p.m.

(2) 12.04 a.m.

(3) 11.26 p.m.

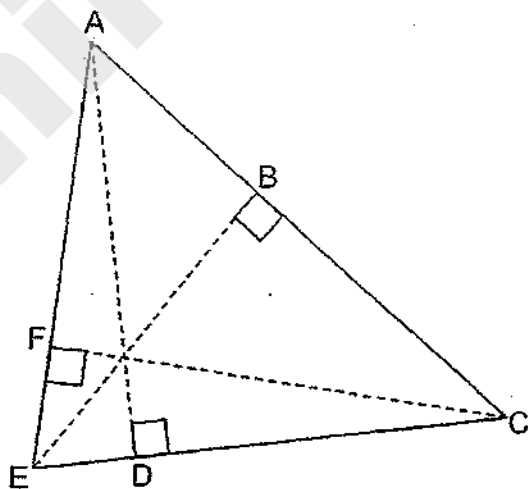
(4) 11.26 a.m.

8. The figure below shows a chair in a classroom. Which one of the following could be the height of the chair?



- (1) 9 cm
- (2) 90 cm
- (3) 9 m
- (4) 90 m

9. In the figure below, BE is the height of triangle ACE. What is the base of triangle ACE?



- (1) AB
- (2) AC
- (3) CE
- (4) CF

10. What is the ratio of the number of circles to the total number of circles and stars?



- (1) 5 : 9
(2) 9 : 5
(3) 5 : 14
(4) 9 : 14
11. Raja bought a piece of cloth 9.8 m long. He cut it into 3 pieces. The first piece was 6.7 m long. The second piece was 2.67 m long. What was the length of the third piece of cloth?
- (1) 0.43 m
(2) 4.03 m
(3) 5.77 m
(4) 9.37 m

12. Jee Ming had \$65. He spent $\frac{2}{5}$ of it on ice cream and another \$5 on waffles.
How much money did Jee Ming have left?

- (1) \$31
- (2) \$34
- (3) \$36
- (4) \$44

13. Arul had some flour. She used 480 g of it to make muffins and the rest of it to make cakes. The ratio of the mass of flour used for the cakes to the mass of flour used for the muffins was 1 : 4. How much flour did Arul use to make the cakes?

- (1) 120 g
- (2) 360 g
- (3) 1440 g
- (4) 1920 g

14. An equal number of boys and girls took part in a recycling activity. They collected a total of 120 kg of clothes. Each boy collected 6 kg of clothes and each girl collected 4 kg of clothes. What was the difference in the mass of clothes that the boys and girls collected?

(1) 10 kg

(2) 24 kg

(3) 48 kg

(4) 72 kg

15. Tammy spent $\frac{1}{6}$ of her money on a shelf which cost \$300. Nara bought a sofa. The sofa cost $\frac{7}{10}$ of the money Tammy had left after she bought the shelf. How much did Nara spend on the sofa?

(1) \$450

(2) \$540

(3) \$1050

(4) \$1260

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2019 Mid - Year Assessment

Paper 1

Booklet B

14 May 2019

Booklet A	20
Booklet B	25
Total (Paper 1)	45

Total time for booklets A and B : 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet

The use of calculators is **NOT** allowed.

This booklet consists of 10 printed pages.

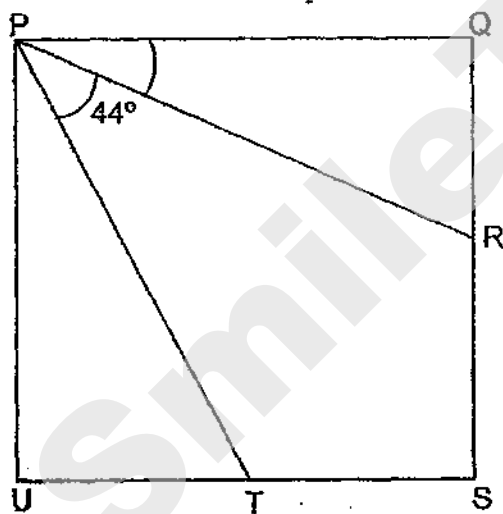
Questions 16 to 20 carry 1 mark each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write
in this space

16. What is the value of $51 + 18 + 3 \times 2 - 9$?

Ans : _____

17. Figure PQSU is a square. $\angle RPT = 44^\circ$ and $\angle QPR = \angle UPT$. Find $\angle QPR$.



Ans : _____^o

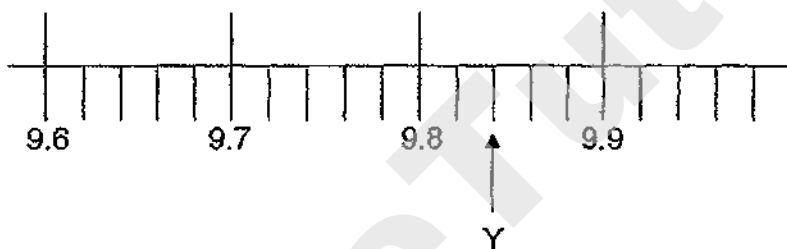


18. Find the value of $4 - \frac{6}{7}$.

Give your answer as a mixed number in its simplest form.

Ans : _____

19. Part of a scale is shown below. What is the value of Y?



Ans : _____

20. En En paid \$20 for 8 hair clips. Each hair clip cost the same. How much did each hair clip cost?

Ans : \$ _____

Do not write
in this space



Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

Do not write
in this space

21. Ying Luo listed the factors of 42 below :

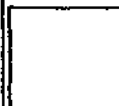
1, 2, 7

Write down the factors Ying Luo had missed out.

Ans : _____

22. A box contains 59 cookies. 26 of them have walnuts and the rest of them are plain. What is the ratio of the number of plain cookies to the number of walnut cookies?

Ans : _____

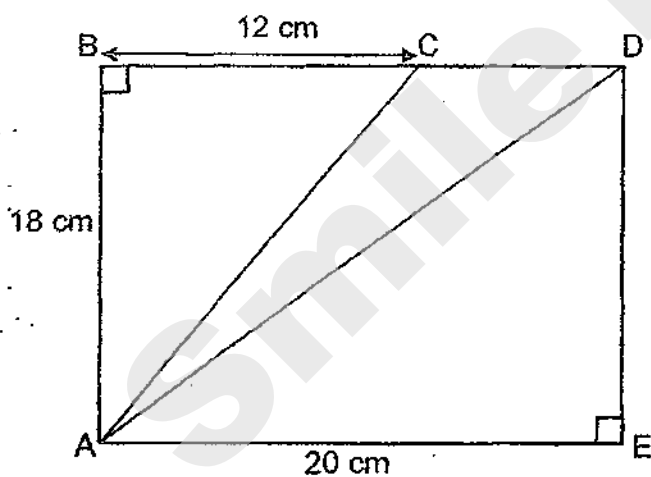


23. Kathi has as much money as Parry. Both of them have \$34 altogether. Ron has \$42. What is the ratio of the amount of Ron's money to the amount of Parry's money to the amount of Kathi's money?

Do not write
in this space

Ans : _____

24. What is the area of the unshaded parts?



Ans : _____ cm²



25.

Figure 1 shows a triangle of base 3 cm and height 4 cm.
 Figure 2 is formed by 4 such triangles in Figure 1.
 What is the perimeter of Figure 2?

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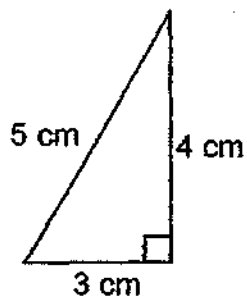


Figure 1

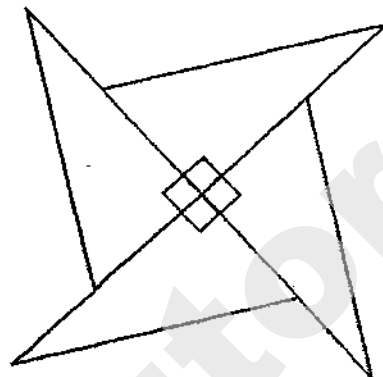


Figure 2

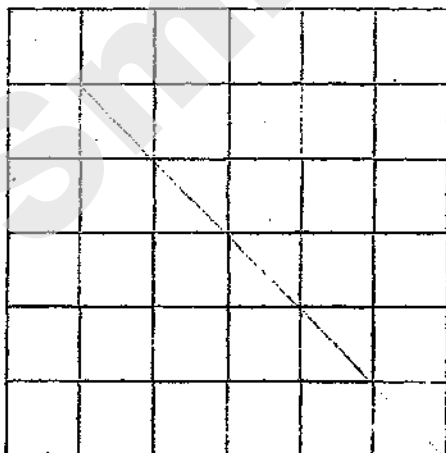
Ans : _____ cm



26. Janis was seated on one of the chairs in the hall. There were 10 rows of chairs in front of her. Every row had the same number of chairs. There were 3 chairs to her left and 8 chairs to her right. How many chairs were there in the hall?
- Do not write in this space

Ans : _____

27. There are some shaded squares in the figure below. Draw the line of symmetry for the figure.



28. At Tasty Bakery, cakes are on sale as shown in the table below.

Do not write
in this space

1 box of cakes	_____	\$8
3 boxes of cakes	_____	\$22

Mr Wei wants to buy 8 boxes of cakes. What is the least amount of money he has to pay?

Ans : \$ _____



29. Lindy folded paper stars from Thursday to Sunday. Every day, she folded 16 more paper stars than the day before. On Sunday, she folded a total of 120 paper stars. How many paper stars did she fold on Friday?
- Do not write in this space

Ans : _____



30. There were 218 more coins in Box X than in Box Y. After 76 coins were removed from Box Y and 34 coins were removed from Box X, the number of coins in Box Y was $\frac{1}{6}$ of the total number of coins in the two boxes. How many coins were there in Box Y at first?

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this space

Ans : _____

****End of Booklet B****



Name: _____ ()

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



**Primary 5 Mathematics
2019 Mid - Year Assessment**

Paper 2

14 May 2019

Paper 1	45
Paper 2	55
Total Marks	100

Parent's/Guardian's Signature _____

Time : 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet

The use of an approved calculator is expected, where appropriate.

This booklet consists of 16 printed pages.

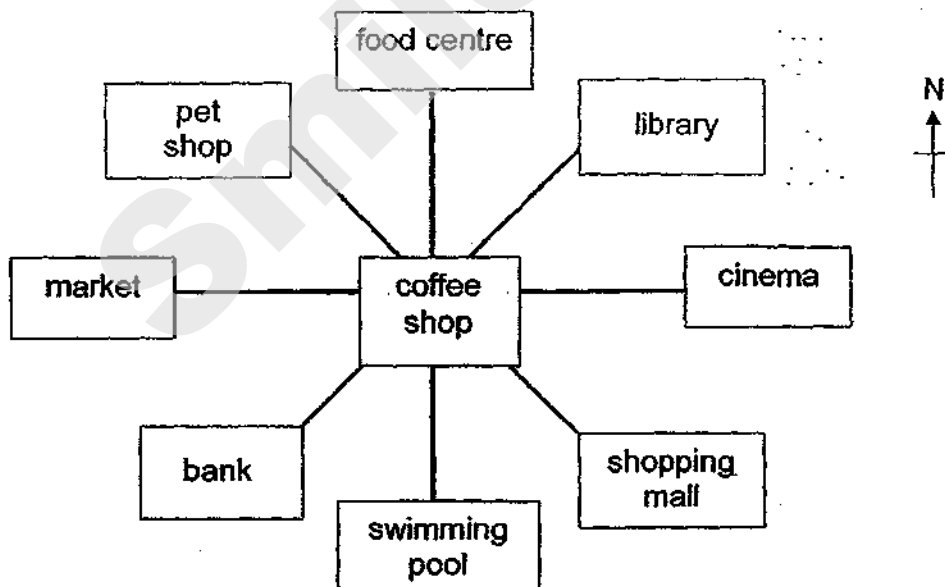
Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

1. 24 rulers cost \$7. Chi Wee bought 456 such rulers. How much did he pay for the rulers?

Ans : \$ _____

2. Tae Yong was standing at the coffee shop facing south. How many degrees would he need to turn in the anti-clockwise direction to face the bank?

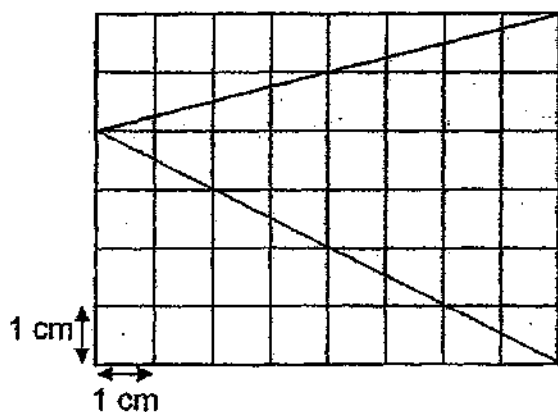


Ans : _____

0



3. What is the area of the shaded triangle below?



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this space

Ans : _____ cm^2

4. Ann, Jo and Sue shared a packet of keychains in the ratio 5 : 3 : 8.

Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (\checkmark) in the correct column.

Statement	True	False	Not possible to tell
The difference between the number of Sue's keychains and the number of Ann's keychains is the same as the number of Jo's keychains.			
Jo and Ann have 8 keychains altogether.			



5. The table below shows the opening hours of a clinic.

Do not
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this space

Opening Hours
8.30 a.m. – 12.45 p.m.
2.00 p.m. – 4.30 p.m.
7.00 p.m. – 8.30 p.m.

How long is the clinic open? Leave your answer in hours and minutes.

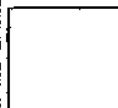
Ans : _____ h _____ min

For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets () at the end of each question or part-question. (45 marks)

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this space

6. Mrs Bala bought a packet of candies. She gave each of her 25 pupils an equal number of candies and had 55 candies left. Mrs Mano bought the same packet of candies for her 33 pupils. She gave each pupil 10 candies and had 50 candies left. How many candies did Mrs Bala give each of her pupils?

Ans : _____ [3]



7. Yen spent an equal amount of money on 8 mugs and 6 bowls. Each bowl cost \$22.20. How much less did each mug cost than each bowl?

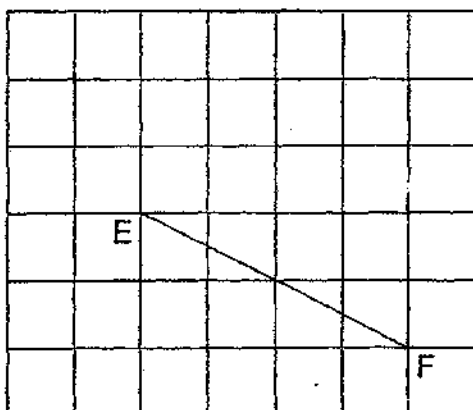
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Ans : _____ [3]



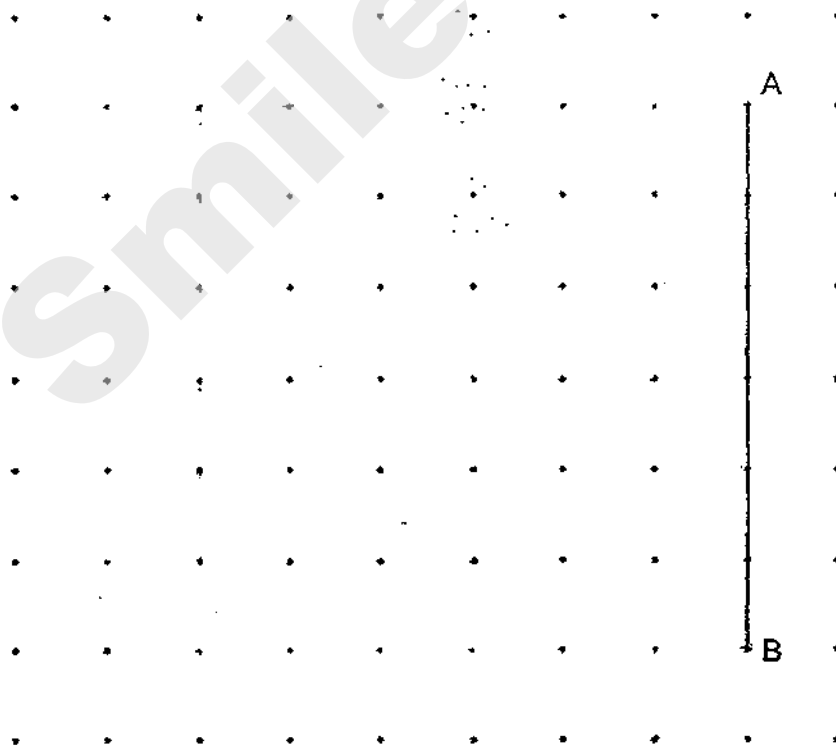
8. (a) Use a ruler and a set-square to draw a line GH which is parallel to line EF below.

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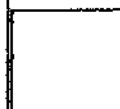


[1]

- (b) Draw and complete a square ABCD from the given line AB. Label the square ABCD.



[2]



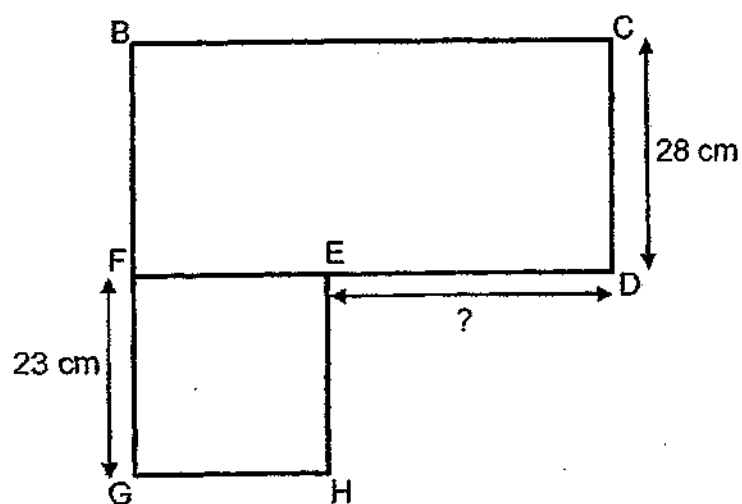
9. Si Yun paid a total amount of \$198.70 for 2 similar dresses and 4 similar pairs of shorts. Each dress cost \$38.60 more than each pair of shorts. How much did Si Yun pay for each pair of shorts?

Do not
write in
this space

Ans : _____ [3]



10. The figure below is made up of a rectangle BCDF and a square FGHE. The area of the figure is 2097 cm^2 . What is the length of ED?



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this space

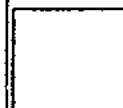
Ans : _____ [3]



11. The ratio of the number of mangoes to the number of pears was 6 : 5 at first. There were 89 fewer pears than mangoes. 28 mangoes turned bad. How many mangoes were there in the end?

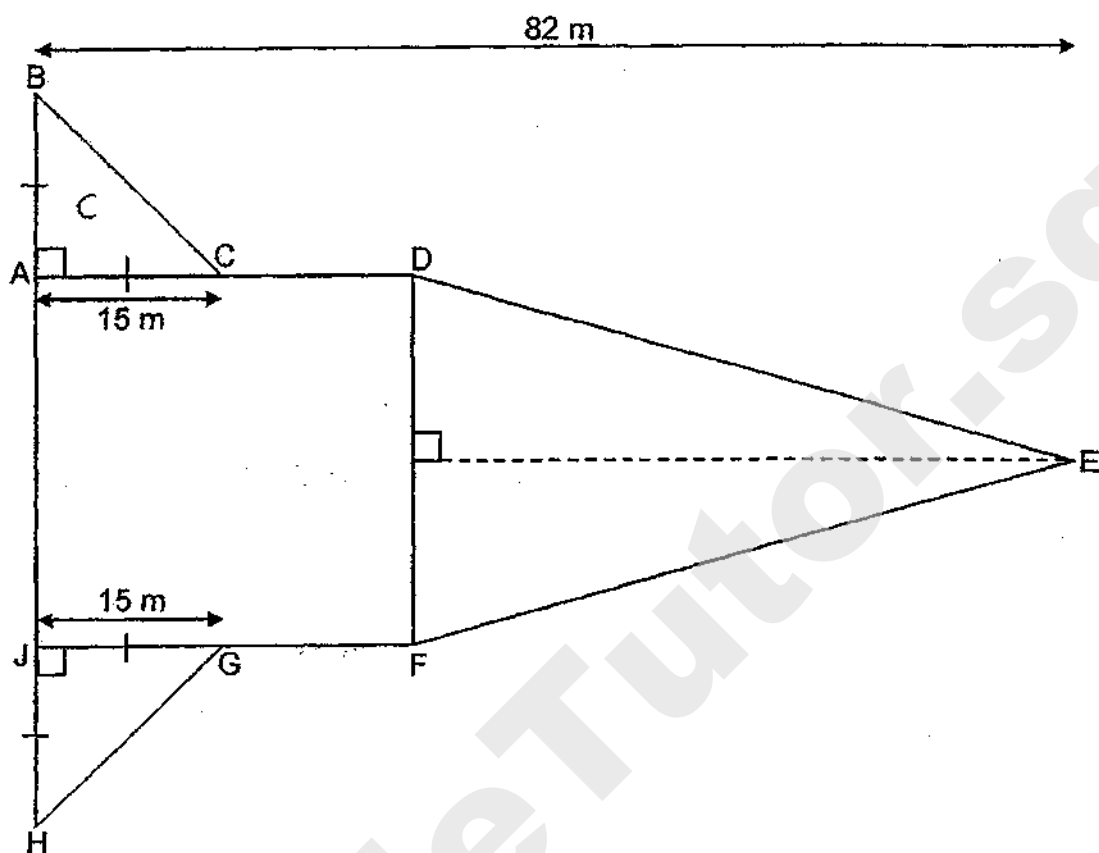
Do not
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this space

Ans : _____ [3]



12. The figure below is made up of 3 triangles and a square. The length of AB is two times of the length of AC . What is the area of the whole figure?

Do not
write in
this
space



Ans : _____ [4]



13. 2 l 40 ml of water can fill exactly 3 similar jugs or 2 similar kettles.

Do not
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this space

- (a) When each jug is completely filled, how much water can it hold?
Leave your answer in ml.
- (b) When 3 such kettles are completely filled, water from the 3 kettles is poured into 18 glasses. Each glass contains 150 ml of water. How much water is left in the 3 kettles?

Ans : (a) _____ [1]

(b) _____ [3]



14. A box $\frac{3}{8}$ filled with beans has a total mass of $5\frac{3}{4}$ kg. When the same box is completely filled with beans, the total mass is $13\frac{7}{10}$ kg. What is the mass of the box when it is empty? Leave your answer in kg.

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this space

Ans : _____ [4]

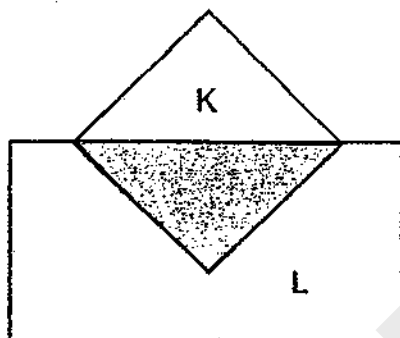


15. Square K and Rectangle L overlap to form the figure below. The ratio of the area of the shaded part to the area of Square K to the area of Rectangle L is 1 : 2 : 5. The area of Rectangle L is 105 cm^2 .

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this space

(a) Find the area of the shaded part.

(b) Find the area of the whole figure.



Ans : (a) _____ [2]

(b) _____ [3]



16. Howard used grey and white squares to make figures that form a pattern.

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Figure 1

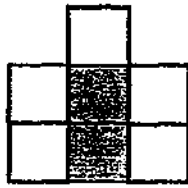


Figure 2

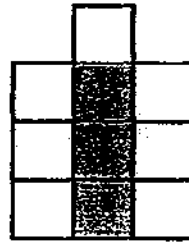


Figure 3

Figure	Number of grey squares	Number of white squares	Total number of squares
1	1	3	4
2	2	5	7
3	3	7	10
4	_____	9	_____

[1]

- (a) Fill in the missing numbers in the table above.
- (b) Find the total number of squares in Figure 11.
- (c) A figure number had 52 squares altogether. How many white squares were there in this figure number?

Ans : (b) _____ [2]

(c) _____ [2]

17. A group of pupils learnt to play musical instruments during Passion Pursuit.

$\frac{2}{5}$ of them learnt to play the guitar. $\frac{1}{4}$ of the rest of the pupils learnt to play the drum.

All the remaining pupils learnt to play the recorder. A total of 255 pupils learnt to play the guitar and the recorder.

(a) What fraction of the group of pupils learnt to play the recorder?

(b) How many pupils were there in the group?

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write in
this space

Ans : (a) _____ [2]

(b) _____ [3]

****End of Paper****



SCHOOL : CHIJ ST PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA1

PAPER 1
BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	3	4	2	4	1	2	2	4
Q11	Q12	Q13	Q14	Q15					
1	2	1	2	3					

BOOKLET B

Q16. 54

Q17. 23°

Q18. $3\frac{1}{7}$

Q19. 9.84

Q20. \$2.50

Q21. 14, 6, 3, 21, 42

Q22. 33 : 26

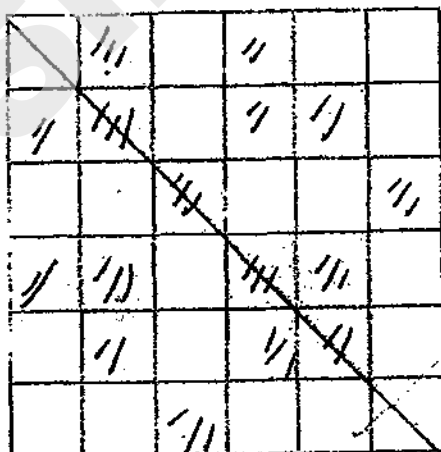
Q23. 42 : 17 : 17

Q24. 288cm^2

Q25. 24 cm

Q26. 132

Q27.



Q28. \$60

Q29. 22

Q30. 141 coins

PAPER 2

Q1. $456 \div 24 = 19$
 $19 \times \$7 = \133

Q2. $7 \times 45^\circ = 315^\circ$

Q3. $\frac{1}{2} \times 6 \times 8 = 24\text{cm}^2$

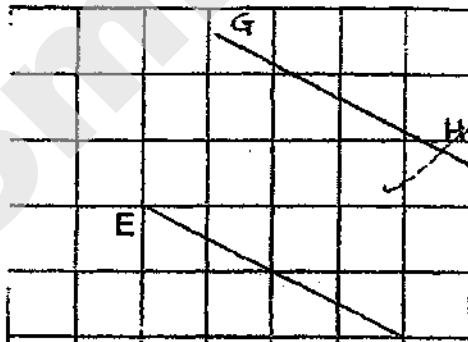
Q4. True; Not possible to tell

Q5. From 8.30 a.m. to 12.45 p.m. $\rightarrow 4\text{h } 15\text{min} = 255\text{min}$
From 2.00 p.m. to 4.30 p.m. $\rightarrow 2\text{h } 30\text{min} = 150\text{min}$
From 7.00p.m. to 8.30p.m. $\rightarrow 1\text{h } 30\text{min} = 90\text{min}$
 $255 + 150 + 90 = 495\text{min}$
 $495\text{min} = 8\text{h } 15\text{min}$

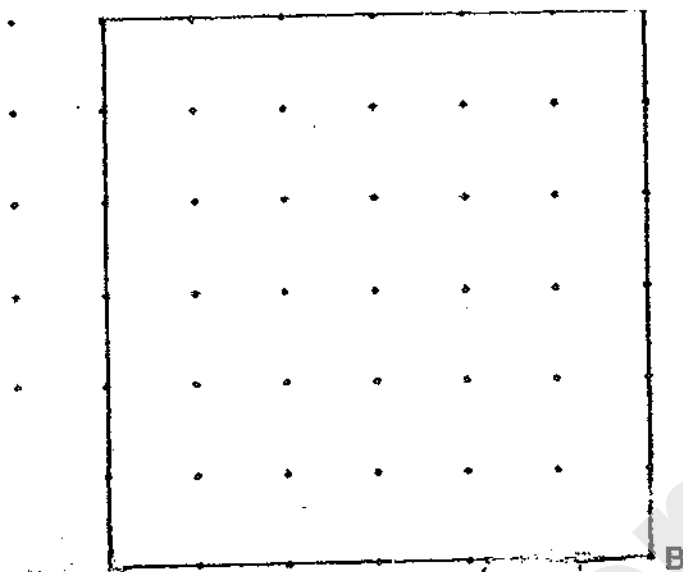
Q6. $33 \times 10 = 330$
 $330 + 50 = 380$
 $380 - 55 = 325$
 $325 \div 25 = 13$

Q7. $6 \times \$22.20 = \133.20
 $\$133.20 \div 8 = \16.65
 $\$22.20 - \$16.65 = \$5.55$

Q8. (a)



(b)



Q9. $\$38.60 \times 2 = \77.20

$$\$198.80 - \$77.20 = \$121.50$$

$$\$121.50 \div 6 = \$20.25$$

Q10. $23 \times 23 = 529$

$$2097 - 529 = 1568$$

$$1568 \div 28 = 56$$

$$56 - 23 = 33\text{cm}$$

Q11. $1u \rightarrow 89$

$$6u \rightarrow 89 \times 6 = 534$$

$$534 - 28 = 506$$

Q12. Sum of areas of triangles ABC and HJG $\rightarrow 2 \times \left(\frac{1}{2} \times 15 \times 15\right) = 225\text{cm}^2$

$$\text{Area of square ADFJ} \rightarrow 30 \times 30 = 900\text{cm}^2$$

$$\text{Area of triangle DEF} \rightarrow \frac{1}{2} \times 30 \times 52 = 780\text{cm}^2$$

$$225 + 900 + 780 = 1905\text{cm}^2$$

Q13. (a) $2140\text{ml} = 2040\text{ml}$

$$2040 \div 3 = 680\text{ml}$$

(b) $2040 \times \frac{3}{2} = 3060\text{ml}$

$$18 \times 150 = 2700\text{ml}$$

$$3060 - 2700 = 360\text{ml}$$

Q14. $13\frac{7}{10} - 5\frac{3}{4} = 7\frac{19}{20}$

$$7\frac{19}{20} \div 5 = 1\frac{59}{100}$$

$$1\frac{59}{100} \times 3 = 4\frac{77}{100}$$

$$5\frac{3}{4} - 4\frac{77}{100} = \frac{49}{50}$$

Q15. (a) $105 \div 5 = 21\text{cm}^2$
(b) $105 + 21 = 126\text{cm}^2$

Q16. (a) **4; 13**
(b) $4 + (3 \times 10) = 34$
(c) $52 - 4 = 48$
 $48 \div 3 = 16$
 $16 + 1 = 17$
 $52 - 17 = 35$

Q17. (a) $\frac{3}{4} \times \frac{3}{5} = \frac{9}{20}$
(b) $\frac{2}{5} + \frac{9}{20} = \frac{17}{20}$
 $\frac{17}{20} \rightarrow 255$
 $\frac{1}{20} \rightarrow 255 \div 17 = 15$
 $15 \times 20 = 300$



2019 PRIMARY 5 SEMESTRAL ASSESSMENT 1

Name : _____ () Date: 15 May 2019

Class : Primary 5 ()

Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : _____

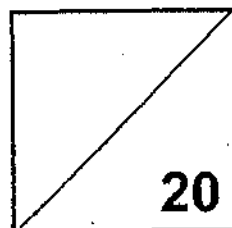
Marks: _____ / 100

Paper 1 comprises

MATHEMATICS

PAPER 1

(BOOKLET A)



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **not** allowed to use a calculator.

SmileTutor.sg

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.

(20 marks)

1. What is the value of digit 7 in 9 073 148?

- (1) 700
- (2) 7000
- (3) 70 000
- (4) 700 000

2. The first common multiple of 2, 3 and 4 is _____.

- (1) 24
- (2) 12
- (3) 9
- (4) 6

3. Which of the following is likely to be the height of a teacher's classroom table?

- (1) 100 cm
- (2) 150 cm
- (3) 200 cm
- (4) 250 cm

4. Which one of the following is the same as $\frac{8}{9}$ of 7?

(1) $\frac{8 \times 7}{9 \times 1}$

(2) $\frac{8 \times 7}{9 \times 7}$

(3) $\frac{7 \times 9}{8 \times 1}$

(4) $\frac{7 \times 9}{8 \times 8}$

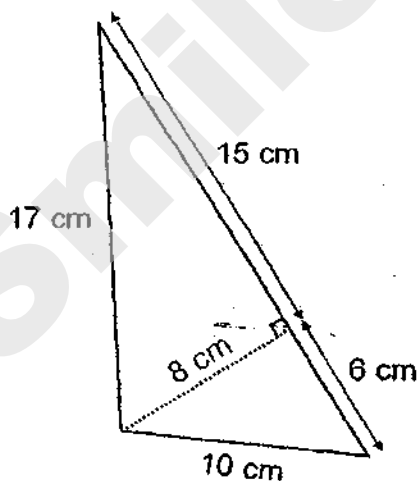
5. Express $9\frac{3}{20}$ as a decimal.

- (1) 9.23
- (2) 9.20
- (3) 9.15
- (4) 9.03

6. Find the sum of 1 kg 400 g, 1 kg 8 g and 1 kg 600 g.

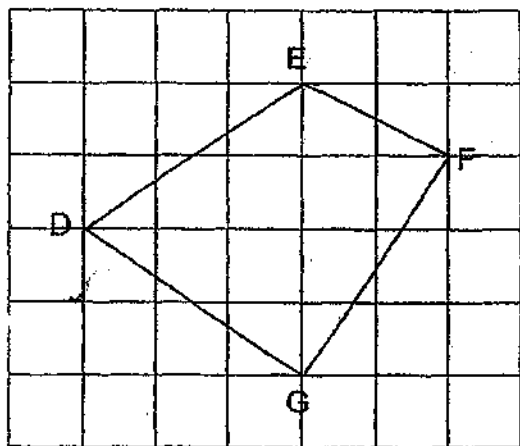
- (1) 3.08 kg
- (2) 4.08 kg
- (3) 3.008 kg
- (4) 4.008 kg

7. Find the area of the triangle.



- (1) 105 c m²
- (2) 85 cm²
- (3) 84 cm²
- (4) 60 cm²

8. Study the diagram below. Which one of the following statements is true?



- (1) DE is parallel to FG.
- (2) EF is parallel to GD.
- (3) EF is perpendicular to FG.
- (4) FG is perpendicular to GD.

9. $8 \times \frac{1}{6} + \text{---} \times \frac{1}{6} + \frac{1}{6} = 39 \times \frac{1}{6}$

- (1) 30
- (2) $\frac{13}{2}$
- (3) $\frac{29}{3}$
- (4) 5

10. Find the value of $6 + 15 \div (3 - 2 \times 0)$.

- (1) 21
- (2) 11
- (3) 7
- (4) 0

11. The average height of June, Ali and Linda is 160 cm. Ali is 166 cm tall. June and Linda are as tall as each other. What is Linda's height?

- (1) 154 cm
- (2) 157 cm
- (3) 162 cm
- (4) 164 cm

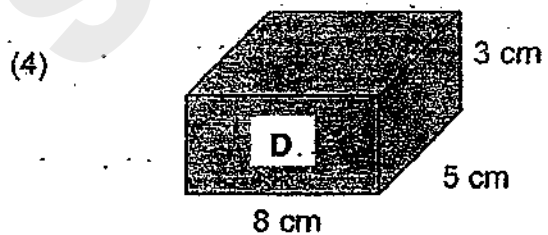
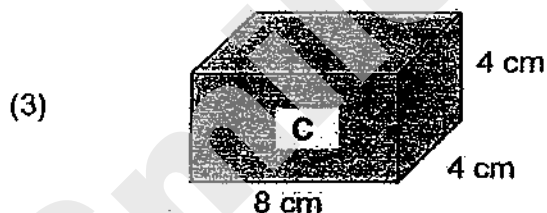
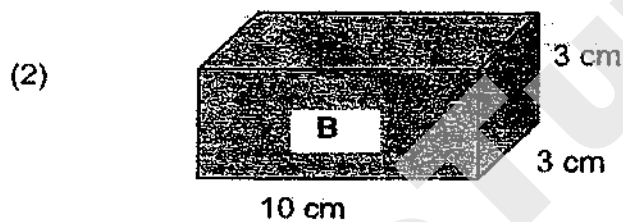
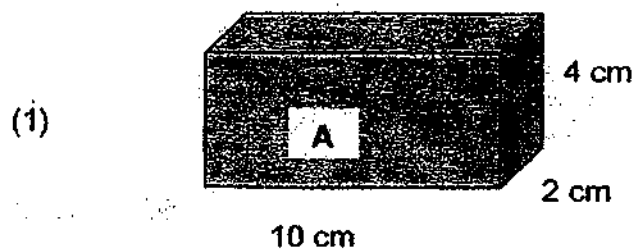
12. The sum of two decimals is 30. Their difference is 5.6 . What is the smaller decimal?

- (1) 12.2
- (2) 17.8
- (3) 24.4
- (4) 35.6

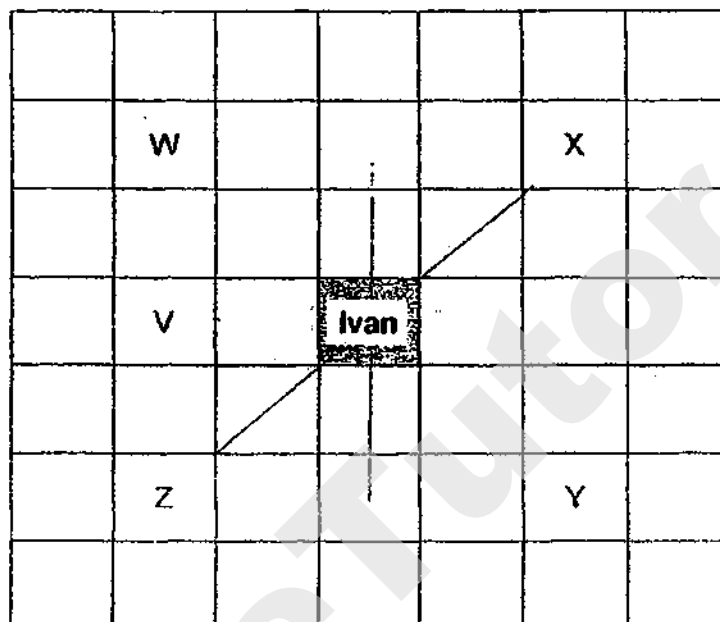
13. Chandra had 90¢, En Hao had \$1.20 and Fiza had \$3. Find the ratio of the amount of money Fiza had to the amount of money En Hao had to the amount of money Chandra had.

- (1) 30 : 40 : 1
- (2) 10 : 4 : 3
- (3) 3 : 4 : 10
- (4) 1 : 40 : 30

14. Helen wants to pack one hundred 1-cm cubes into a container. She wants to have the least amount of space leftover inside the container after the cubes have all been placed in it. Which of the containers, A, B, C or D, is the best fit?



15. After making a $\frac{3}{4}$ turn clockwise and then a $\frac{1}{2}$ turn anticlockwise, Ivan was facing Z. Where was he facing at first?



- (1) V
- (2) W
- (3) X
- (4) Y

- End of Booklet A -



2019 PRIMARY 5 SEMESTRAL ASSESSMENT 1

Name : _____

Date: 15 May 2019

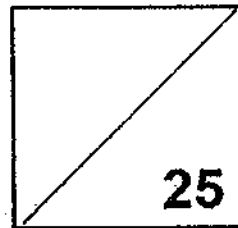
Class : Primary 5 ()

Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS PAPER 1 (BOOKLET B)



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are not allowed to use a calculator.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (5 marks)

16. Subtract $1\frac{1}{5}$ from $3\frac{3}{8}$.

Ans: _____

17. Write down the decimal represented by the letter J in the number line.

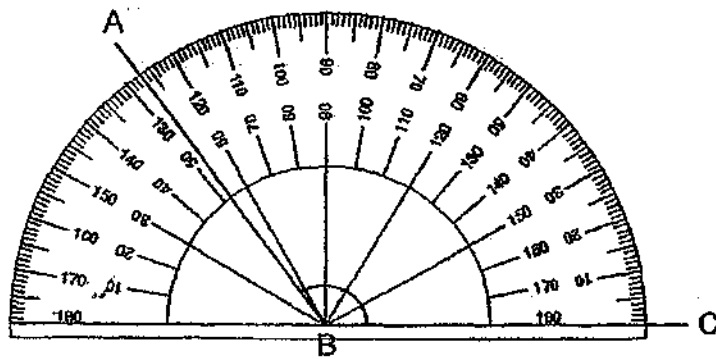


Ans: _____

18. Express 106 minutes in hours.

Ans: _____ h

19. Write down the size of $\angle ABC$.



Ans: _____

20. The table shows the number of good deeds carried out by 5 classes in a month.

Class D	Class E	Class F	Class G	Class H
30	40	25	50	55

What is the average number of good deeds performed by the 5 classes?

Ans: _____

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

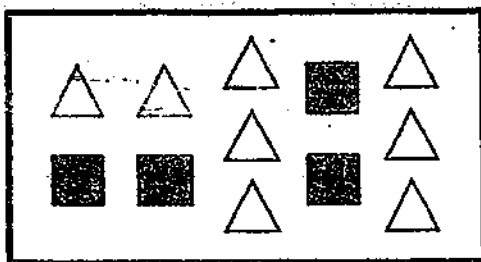
21. The table shows the prices of 5-room flats in some towns.

Town	Prices
Bedok	\$575 000
Clementi	\$728 000
Kallang	\$652 500
Marine Parade	\$730 000
Tampines	\$525 000

What is the difference between the highest price and lowest price?

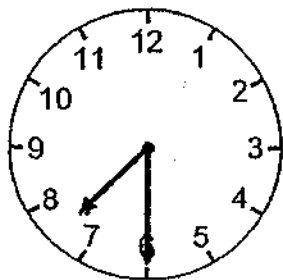
Ans: \$ _____

22. How many triangles must be removed from the diagram below so that the ratio of the number of triangles to the number of squares becomes 3 : 2?



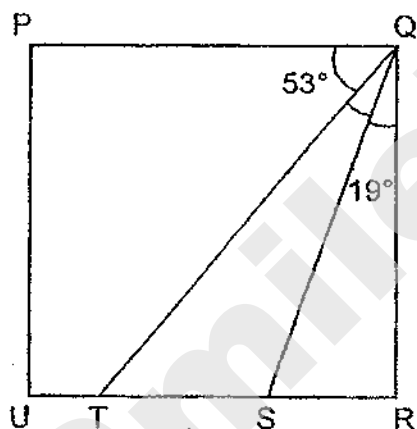
Ans:

23. Gopal started his training in the morning at the time shown below.
He stopped $5\frac{1}{2}$ h later. What time did Gopal's training end?
Give your answer in 24-hour clock.



Ans: _____

24. PQRU is a square. Find $\angle SQT$.



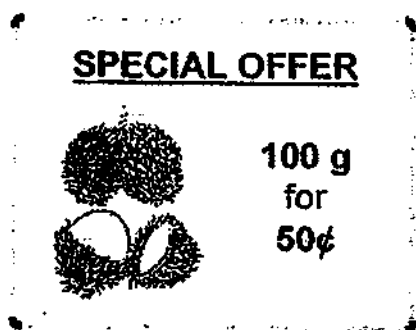
Ans: _____

25. $7\ 654\ 321 = \boxed{} - 321$

Give your answer correct to the nearest 1000.

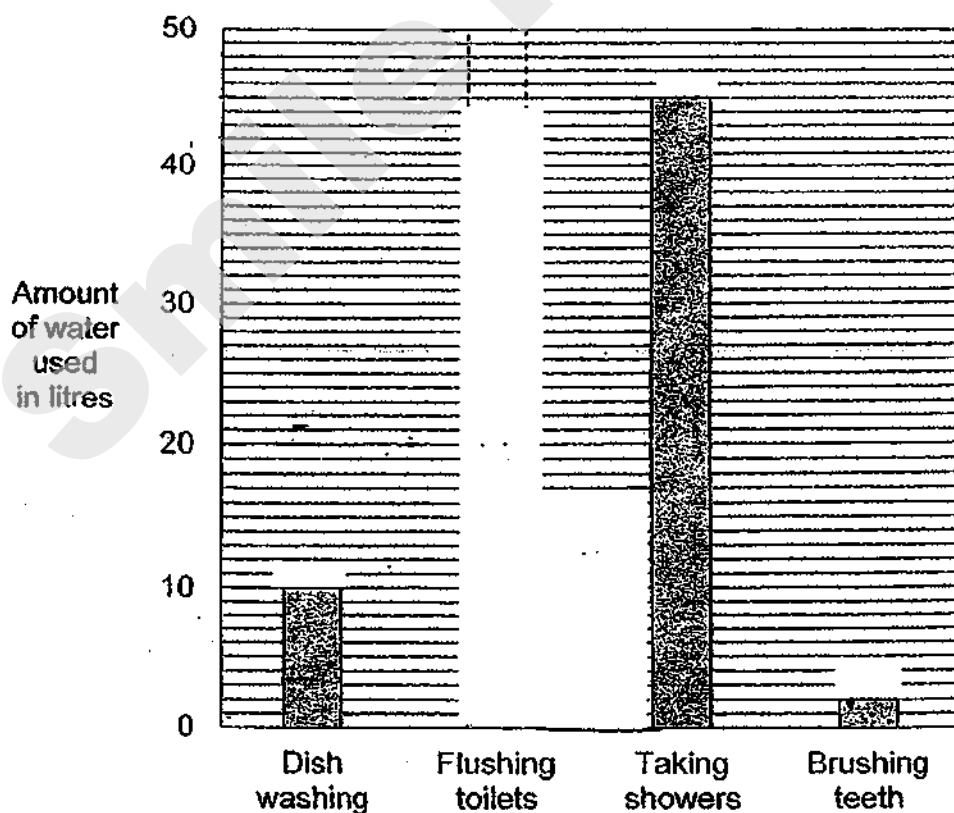
Ans: _____

26. Refer to the advertisement below. How much does 1.2 kg of rambutans cost?



Ans: \$ _____

27. The bar graph shows how a household used 72 l of water for 4 activities. Complete the bar graph by showing the amount of water used for flushing toilets.



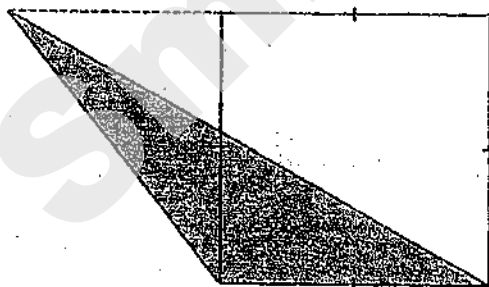
28. An Kang bought 3 kg of grapes. He ate $\frac{1}{2}$ kg of grapes and his brother ate $\frac{1}{4}$ of the grapes. How much grapes were left?

Ans: _____ kg

29. Nadia's mass is 29.7 kg. She is twice as heavy as her brother. Find the mass of her brother.

Ans: _____ kg

30. The area of the triangle is 18 cm^2 . Find the length of one side of the square.



Ans: _____ cm

End of Booklet B

End of Paper 1



2019 PRIMARY 5 SEMESTRAL ASSESSMENT 1

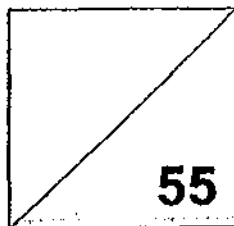
Name : _____ () Date: 15 May 2019

Class : Primary 5 () Time: 10.30 a.m. - 12.00 noon

Parent's Signature : _____

MATHEMATICS

PAPER 2



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. You are allowed to use a calculator.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

1. Study the following letters. Write down the letters with only 1 line of symmetry.

C E H S T

Ans: _____

2. The total time taken by the first two runners to complete a race was 3 min 46 s. The champion finished the race 2 s faster than the runner in the second place. How long did the champion take to complete the race?

Ans: _____ min _____ s

3. Minghua, Nila and Omar shared the cost of a gift. Omar paid \$8.85 and Minghua paid \$7.90. Nila and Omar paid twice as much as Minghua. How much did Nila pay?

Ans: \$ _____

4. Find the sum of all the even numbers less than 50.

Ans: _____

5. Pansy had some beads. She used $\frac{7}{10}$ of them to make a necklace and gave $\frac{2}{9}$ of the remainder to her sister.

What fraction of her beads was given to her sister?
Give your answer in the simplest form.

Ans:

For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

6. There were 40 people on a bus.
The ratio of the number of adults to the number of children was 1 : 7.
- (a) How many adults were there?
- (b) There were 3 more girls than boys.
Find the ratio of the number of boys to the number of girls.

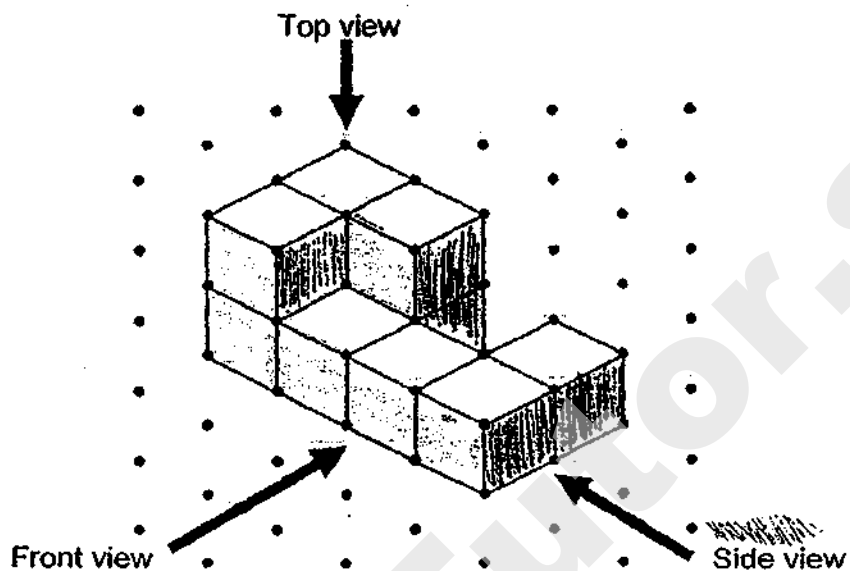
Ans: (a) _____ [1]

(b) _____ [2]

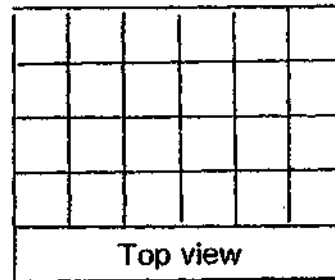
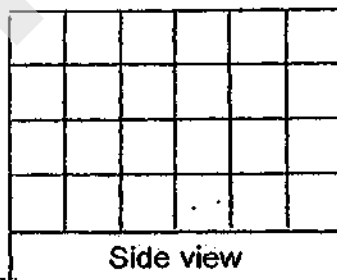
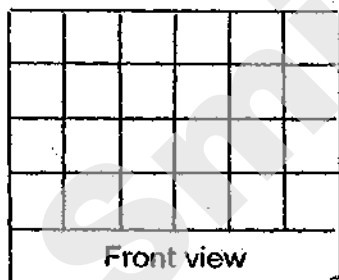
7. The mass of a container with 2 basketballs and 3 footballs is 7.5 kg.
The mass of the same container with 4 basketballs and 5 footballs is 9.58 kg.
Find the mass of the container with 1 football.

Ans: _____ [3]

8. The solid below is made up of unit cubes.



Using the square grids below, draw the top view, side view and front view of the solid. [3]



9. Machine A makes 9 cups of coffee in 4 minutes.
Machine B makes 1 cup of coffee in 2 minutes.
In 1 hour, how many more cups of coffee does Machine A make than Machine B?

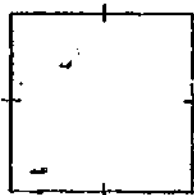
Ans: _____ [3]

10. To decorate some presents, Quan Yu bought 2 rolls of ribbon.
Each roll contains 9 m of ribbon. Quan Yu decorates each present with a piece of 70-cm long ribbon. How many presents can Quan Yu decorate?

Ans: _____ [3]

11. The perimeter of the square and rectangle is 216 cm.
The ratio of the area of the rectangle to the area of the square is 3 : 1.

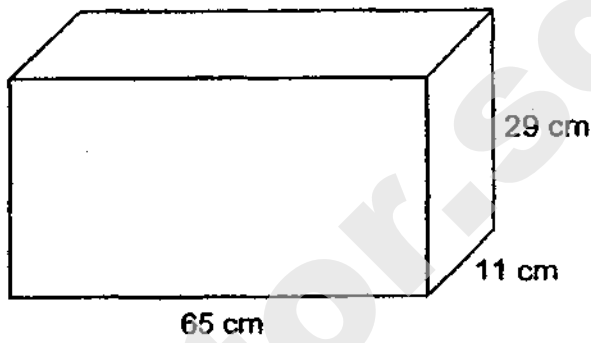
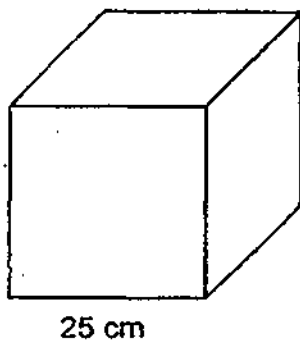
- (a) Find the breadth of the rectangle.
- (b) Find the ratio of the perimeter of the square to the perimeter of the rectangle. Give your answer in the simplest form.



Ans: (a) _____ [2]

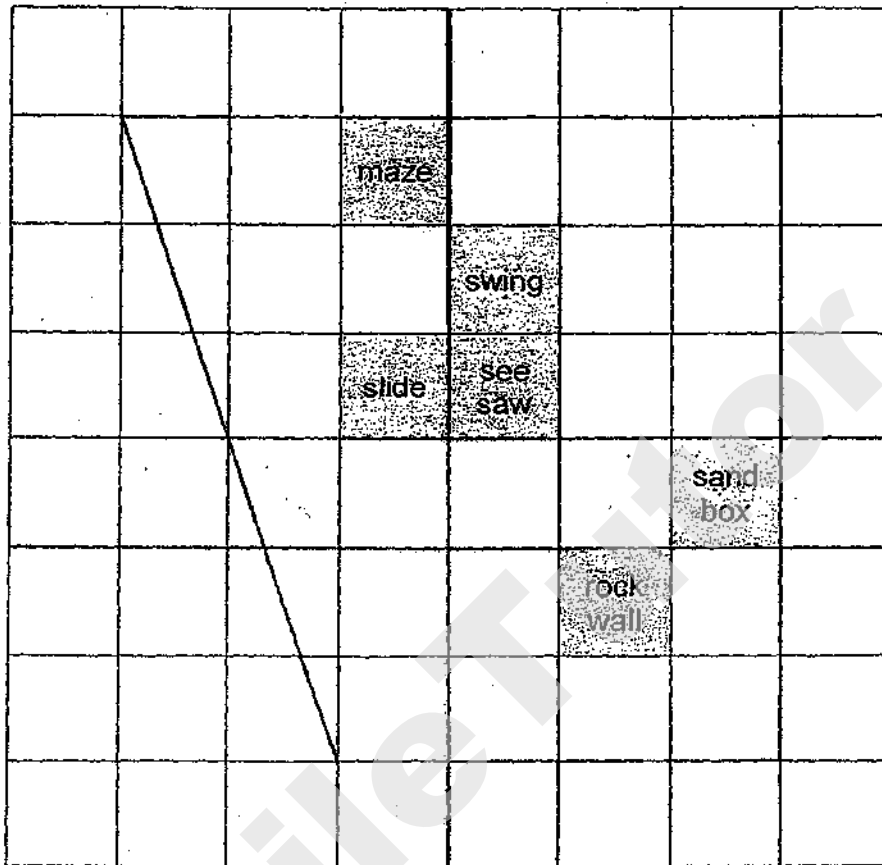
(b) _____ [2]

12. A cubical tank is filled to the brim with water.
All the water is poured from the cubical tank into the rectangular tank.
How much more water is needed to fill the rectangular tank to its brim?
Give your answer in litres.



Ans: _____ [4]

13. The perimeter of a playground is shown on the square grid.

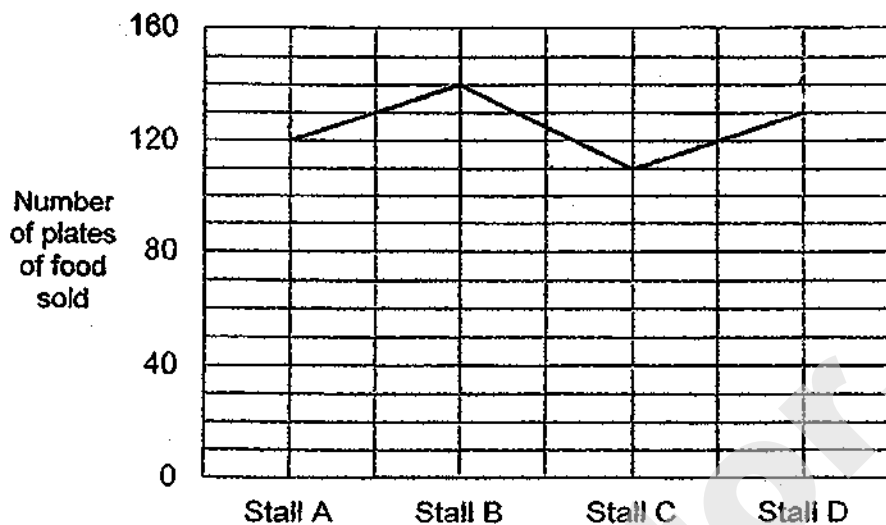


- (a) Find the area of the playground. Give your answer in square units. [2]
- (b) Name the equipment that is southeast of the swing. [1]
- (c) Reyah's mother is watching over her under a shelter at the playground. The shelter is to the west of the sand box and northwest of the rock wall. Mark the shelter with 'X' on the square grid. [1]

Ans: (a) _____ [2]

(b) _____ [1]

14. The line graph shows the number of plates of food sold at 4 stalls on Monday.



The table below shows the price of each plate of food sold.

Stall	Price of 1 plate of food
A	\$2.50
B	\$2.40
C	\$2.90
D	\$2.45

- (a) Find the difference in the earnings received from the food sold between Stall A and Stall D.

- (b) Each statement below is either true, false or not possible to tell from the data given.

For each statement, put a tick (✓) in the correct column.

[2]

	Statement	True	False	Not possible to tell
(i)	Stall C sold the least number of plates of food on Monday.			
(ii)	Stall B sold 980 plates of food in a week.			

Ans: (a) _____ [2]

15. Trish spent a total of 7 h in one week reading.
Each day, Trish spent 10 minutes more than the previous day reading.
How long did Trish spend reading on the fifth day?
Give your answer in hours.

Ans: _____ [4]

16. Weiming had 100 more guppies than angelfish.
He gave his brother $\frac{4}{5}$ of his guppies and $\frac{1}{2}$ of the angelfish.

He then had 90 fish left.

Find the total number of fish Weiming had at first.

Ans: _____ [5]

17. Meiling used grey and white beads to make figures that form a pattern.

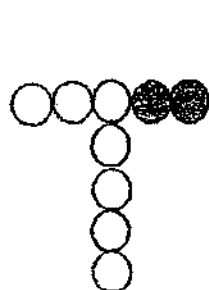


Figure 1

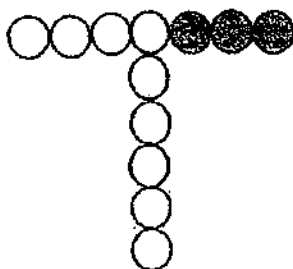


Figure 2

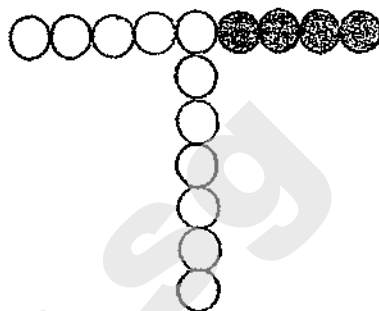


Figure 3

Figure 4

(a) Draw Figure 1. [1]

(b) Fill in the missing numbers in the table. [1]

Figure	Number of grey beads	Number of white beads	Total number of beads
1			
2	2	7	9
3	3	9	12
4	4	11	15
5	5		

(c) How many beads were used for Figure 10? [1]

(d) Meiling made a figure using a total of 45 beads. Which figure is this? [2]

Ans: (c) _____ [1]

(e) Figure _____ [2]

SCHOOL : TAO NAN PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA1

PAPER ONE

Q1	3	Q2	2	Q3	1	Q4	1	Q5	3
Q6	4	Q7	3	Q8	4	Q9	1	Q10	2
Q11	2	Q12	1	Q13	2	Q14	4	Q15	4

Q16) $2\frac{7}{40}$

Q17) 0.75

Q18) $1\frac{23}{30}$ h

Q19) 127°

Q20) 40

Q21) $730\ 000 - 525\ 000 = \underline{\$205\ 000}$

Q22) $8 - 6 = \underline{2\ \text{triangles}}$

Q23) $7.30\text{am} + 5\ \text{hours}\ 30\text{mins} = \underline{13\ 00}$

Q24) $53 + 19 = 72$

$90 - 72 = \underline{18}$

Q25) $7\ 654\ 321 + 321 = 7\ 654\ 642$
 $\approx \underline{7\ 655\ 000}$

Q26) $1200 \div 100 = 12$
 $12 \times 50 = \underline{\$6}$

Q27) $45 + 2 + 10 = 57$
 $72 - 57 = 15$

Ans: Draw the graph at 15

Q28) $\frac{1}{2} \text{ kg} = 500\text{g}$
 $\frac{1}{4} \times 3 = 750\text{g}$
 $3\text{kg} - 500 - 750 = \underline{1.75\text{kg}}$

Q29) $29.7 \div 2 = \underline{14.85 \text{ kg}}$

Q30) $18 \times 2 = 36$
 $36 = 6 \times 6$
 $= \underline{6\text{cm}}$

PAPER TWO

Q1) C, E & T

$$\text{Q2) } 3\text{min } 46\text{s} - 2\text{s} = 3\text{min } 44\text{s}$$

$$3\text{min } 44\text{s} \div 2 = \underline{1\text{min } 52\text{s}}$$

$$\text{Q3) } 7.90 \times 2 = 15.80$$

$$15.80 - 8.85 = \underline{\$6.95}$$

Q4) 600

$$\text{Q5) } 10 \times 3 = 30$$

$$\frac{2}{30} = \frac{1}{15}$$

$$\text{Ans: } \frac{1}{15}$$

$$\text{Q6a) } 1 + 7 = 8$$

$$40 \div 8 = \underline{5}$$

$$\text{Q6b) } 5 \times 7 = 35$$

$$(35 - 3) \div 2 = 16$$

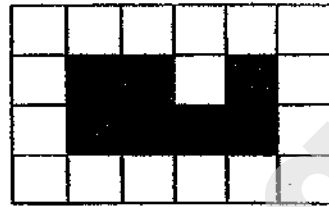
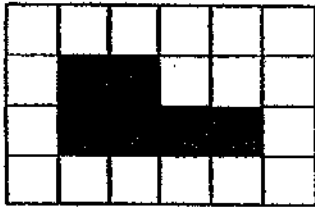
$$16 + 3 = 19$$

$$\text{B : G} = \underline{16 : 19}$$

$$\text{Q7) } 9.58 - 7.5 = 2.08 \text{ (2B + 2F)}$$

$$7.5 - 2.08 = \underline{5.42\text{kg}}$$

Q8)



Q9) A $\rightarrow 60 \div 4 = 15$

$15 \times 9 = 135$

B $\rightarrow 60 \div 2 = 30$

$30 \times 1 = 30$

$135 - 30 = \underline{105}$

Q10) $9m = 900cm$

$900 \div 70 = 12 \text{ R}60$

$12 \times 2 = \underline{24}$

Q11a) R : S

$3 : 1$

$1 + 1 + 1 + 1 + 1 + 3 + 3 + 1 = 12$

$216 \div 12 = \underline{18cm}$

Q11b) $18 \times 4 = 72$

$18 \times 3 = 54$

$54 + 54 + 18 + 18 = 144$

$72 : 144 = \underline{1 : 2}$

Q12) $25 \times 25 \times 25 = 15\,625$

$65 \times 11 \times 29 = 20\,735$

$20\,735 - 15\,625 = 5110cm^3$

$= \underline{5.11 \text{ litres}}$

Q13a) $\frac{1}{2} \times 2 \times 6 = 6$

$$4 \times 6 = 24$$

$$24 \times 6 = \underline{30 \text{ square units}}$$

Q13b) Sandbox

Q13c) X on the box below the see saw grid.

Q14a) $2.50 \times 120 = 300$

$$130 \times 2.45 = 318.50$$

$$318.50 - 300 = \underline{\$18.50}$$

Q14b) i: True ii: Not possible to tell

Q15) $210 \text{ min} = 3\text{h } 30\text{min}$

$$7\text{h} - 3\text{h } 30\text{min} = 3\text{h } 30\text{min}$$

$$3\text{h } 30\text{min} \div 7 = 30\text{min}$$

$$4 \times 10 = 40$$

$$30 + 40 = 70 \text{ min}$$

$$= 1\frac{1}{6} \text{ h}$$

Ans: $1\frac{1}{6} \text{ h}$

Q16) $G - A = 100$

$$G = 100 + A$$

$$G \left(1 - \frac{4}{5}\right) + A \left(1 - \frac{1}{2}\right) = 90$$

$$\frac{1}{5}G + \frac{1}{2}A = 90$$

$$\frac{1}{5}(100 + A) + \frac{1}{2}A = 90$$

$$20 + \frac{1}{5}A + \frac{1}{2}A = 90$$

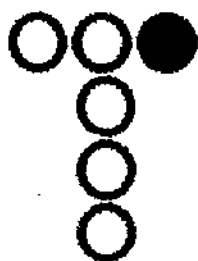
$$\frac{7}{10}A = 70$$

$$A = 100$$

$$G = 100 + 100 \\ = 200$$

$$\text{Total} = 100 + 200 \\ = \underline{300 \text{ guppies}}$$

Q17a)



Q17b) Fig 1: 1, 5, 6 Fig 5: 13, 18

Q17c) $10 + 11 + 12 = \underline{33 \text{ beads}}$

Q17d) $14 + 15 + 16 = 45$
 $= \underline{\text{Figure 14}}$

Anglo-Chinese School (Junior)



SEMESTRAL ASSESSMENT 2 (2019)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet A

Friday

25 Oct 2019

1 h

Name: _____ () Class: 5.()

INSTRUCTIONS TO PUPILS

- 1 Do not turn over the pages until you are told to do so.
- 2 Follow all instructions carefully.
- 3 Answer ALL questions.
- 4 Shade your answers in the Optical Answer Sheet (OAS) provided.
- 5 You are **not** allowed to use a calculator for this paper.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (20 marks)

1. Find the value of $1290 - 210 \div 10 + 20$.

- 1) 36
- 2) 128
- 3) 1283
- 4) 1289

2. The total number of spectators who viewed the matches live at the World Cup in Russia last year was 5 031 768. Which digit is in the ten thousands place?

- 1) 1
- 2) 3
- 3) 6
- 4) 7

3. Round 79.584 to the nearest hundredth.

- 1) 79.50
- 2) 79.58
- 3) 79.59
- 4) 79.60

4. $0.48 \times 600 = 3 \times 100 \times \boxed{}$

What is the missing number in the box?

- 1) 0.60
- 2) 0.96
- 3) 1.44
- 4) 2.88

5. What is the value of 6 thousands, 89 tens and 9 hundredths?

- 1) 6000.89
- 2) 6800.09
- 3) 6890.09
- 4) 6900.89

6. Express 8050 g in kilograms.

- 1) 0.805 kg
- 2) 8.05 kg
- 3) 8.5 kg
- 4) 80.5 kg

7. How many sixths are there in $4\frac{2}{3}$?

- 1) 9
- 2) 14
- 3) 24
- 4) 28

8. Which of the following is not the same as $\frac{6}{100}$?

- 1) 0.06
- 2) $\frac{3}{50}$
- 3) $\frac{6}{10}\%$
- 4) 6 %

9. Which of the following fractions is closest to $\frac{1}{2}$?

- 1) $\frac{5}{6}$
- 2) $\frac{5}{7}$
- 3) $\frac{5}{9}$
- 4) $\frac{5}{11}$

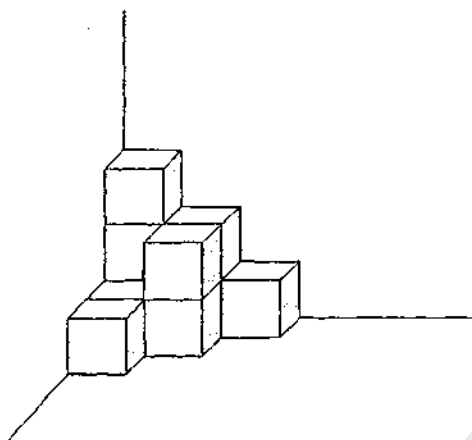
10. The table below shows the number of books sold in 4 different bookstores in a week. What is the average number of books sold in the 4 bookstores?

Bookstore	A	B	C	D
Number of books sold	120	92	100	108

- 1) 100
 - 2) 105
 - 3) 140
 - 4) 210
11. Mrs Li bought $\frac{4}{5}$ kg of chocolate. She used $\frac{1}{3}$ of it to make milkshakes. How much chocolate had Mrs Li left?

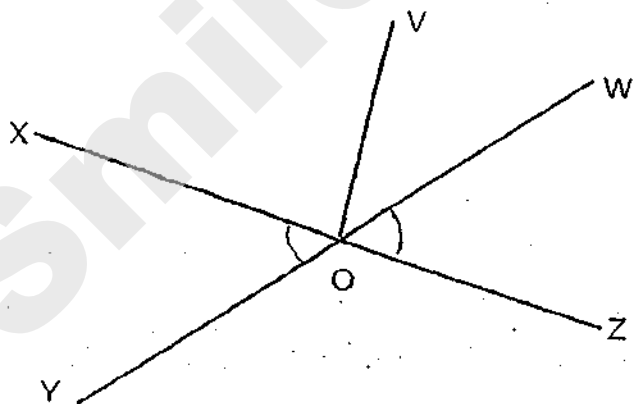
- 1) $\frac{2}{15}$ kg
- 2) $\frac{4}{15}$ kg
- 3) $\frac{7}{15}$ kg
- 4) $\frac{8}{15}$ kg

12. The figure shows a solid that is formed using 1-cm cubes. What is the volume of the solid?



- 1) 8 cm^3
- 2) 9 cm^3
- 3) 10 cm^3
- 4) 11 cm^3

13. In the figure, YOW, XOZ and VO are straight lines. Which of the following statements is true?



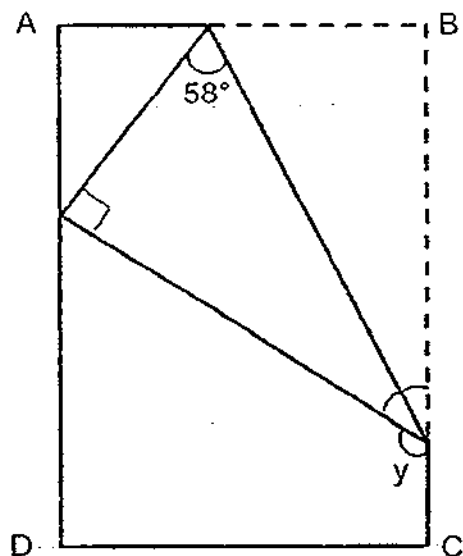
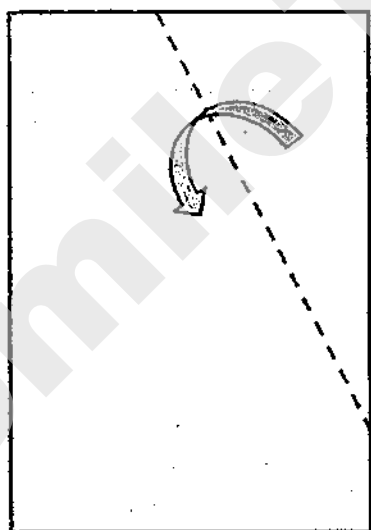
- 1) $\angle XOY = \angle VOZ$
- 2) $\angle XOY = \angle WOZ$
- 3) $\angle YOZ = \angle YOV$
- 4) $\angle VOW = \angle WOZ$

14. A Go-Kart company charges the following rates for karting.

The first 15 minutes	\$30
For every additional 5 minutes	\$8

Samuel wanted to kart for 35 minutes. How much did he need to pay?

- 1) \$38
 - 2) \$46
 - 3) \$62
 - 4) \$86
15. Shane had a piece of rectangular paper and folded it along the dotted line as shown below. Find $\angle y$.



- 1) 116°
- 2) 122°
- 3) 128°
- 4) 148°

Anglo-Chinese School (Junior)



SEMESTRAL ASSESSMENT 2 (2019)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet B

Friday

25 Oct 2019

1 h

Name: _____ () Class: 5.()

INSTRUCTIONS TO PUPILS

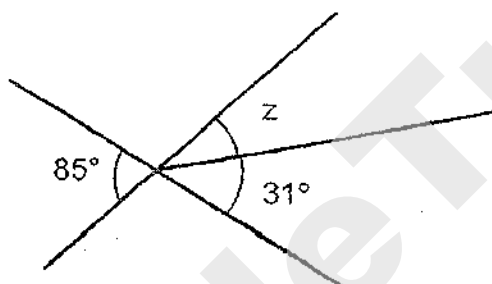
- 1 Do not turn over the pages until you are told to do so.
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- 3 Answer ALL questions.
- 4 You are not allowed to use a calculator for this paper.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers to the units stated. (5 marks)

16. Write three million, twenty thousand and nineteen in numerals.

Ans : _____

17. All the lines drawn in the diagram are straight lines. Find $\angle z$.



Ans : _____ $^\circ$

18. 9 pizzas were shared equally among 7 children. What fraction of a pizza does each child get? Express your answer as a mixed number.

Ans : _____

--

19. Ryan went hiking at a park. The hike started at 6.30 a.m. and ended at 3.15 p.m. on the same day. How long was the hike? Give your answer in hours and minutes.

Ans : _____ h _____ min

20. What is the missing number in the box below?

Ans : _____

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

21. Find the value of $6 \div 7$. Give your answer correct to 2 decimal places.

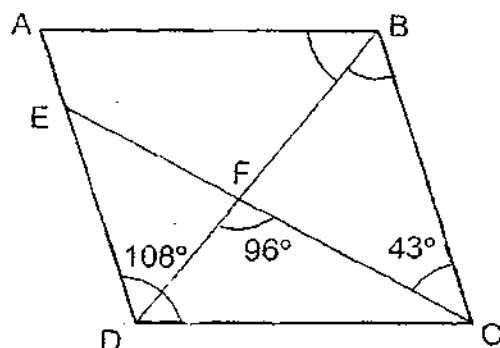
Ans : _____

22. The mass of a box with 30 identical marbles is 580 g. When 20 of the marbles are removed, the mass of the box with the remaining marbles is 320 g. What is the mass of the box?

Ans : _____ g

--

23. In the figure, ABCD is a parallelogram. BFD and CFE are straight lines. $\angle EDC = 108^\circ$, $\angle DFC = 96^\circ$ and $\angle BCF = 43^\circ$. Find $\angle ABD$.

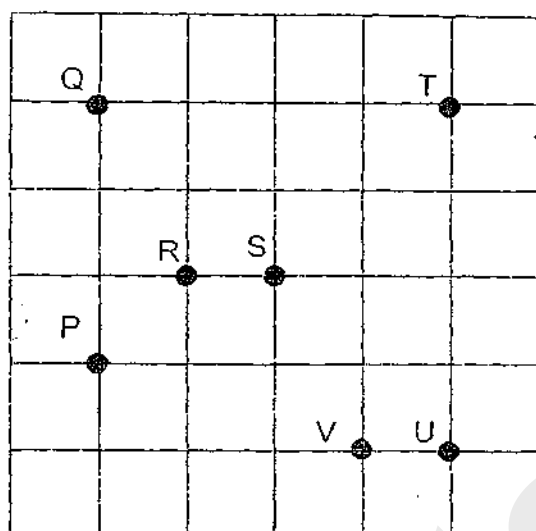


Ans : _____°

24. It takes Machine A and Machine B 30 minutes to print a total of 1320 copies of newsletter. Machine A can print 20 copies of newsletter in one minute. How many copies of newsletter can Machine B print per minute?

Ans : _____

25. Seven points are shown in the square grid below.



- (a) In which direction is V from R?
- (b) Amos is at one of the point. He is facing Point T. When he turns 90° anti-clockwise, he faces Q. Which point is Amos at?

Ans : (a) _____

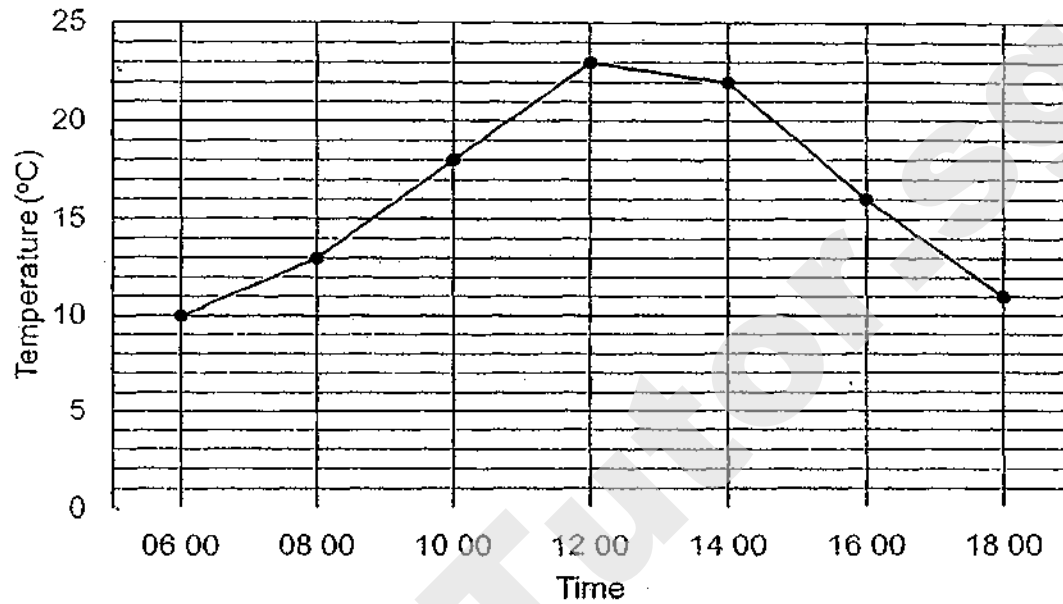
(b) _____

26. The price of a video game is \$56. Josiah bought a video game at a discount of 30%. What was the discounted price of the video game?

Ans : \$ _____

--

The table below shows the temperature change in Hillview Town.



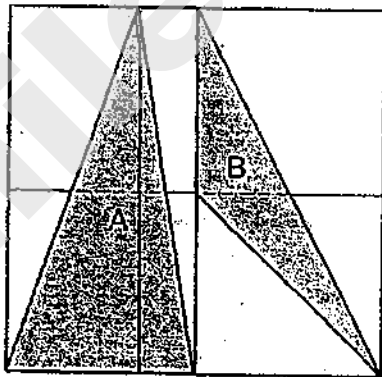
27. At which 2 hour-interval of the day was there the greatest change in temperature?

Ans : _____ to _____

28. Samantha had 2.6 m of red ribbon and 4.8 m of blue ribbon. She used 1.5 m of the red ribbon and some of the blue ribbon to tie some presents. The length of blue ribbon left was 3 times the length of red ribbon left. What was the length of blue ribbon she used to tie the presents? Give your answer in centimetres.

Ans : _____ cm

29. The figure below is made up of 4 identical squares. 2 shaded triangles, A and B are drawn in the figure.



What fraction of the figure is shaded?

Ans : _____

30. A group of boys shared some sweets among themselves. When each boy took 6 sweets each, there were 24 sweets left over. When each boy took 8 sweets, there was no remainder. How many sweets were there altogether?

Ans : _____

End of Booklet B

Anglo-Chinese School (Junior)



SEMESTRAL ASSESSMENT 2 (2019)

PRIMARY 5 MATHEMATICS PAPER 2

Friday

25 Oct 2019

1 h 30 min

Name: _____ () Class: 5.() Parent's Signature: _____

INSTRUCTIONS TO PUPILS

- 1 Do not turn over the pages until you are told to do so.
- 2 Follow all instructions carefully.
- 3 Answer ALL questions.
- 4 You can use a calculator for this paper.

Paper	Booklet	Possible Marks	Marks Obtained
1	A	20	
	B	25	
2		55	
Total		100	

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

1. Mr Lim buys 218 red pens and 138 blue pens. He needs to pack all the pens into smaller packets. Each packet can hold up to 6 pens. What is the minimum number of packets he needs if he has to pack all the pens?

Ans : _____

2. Isaac was paid \$2 for every food delivery made and an additional \$4 for every 5 food deliveries made. How many food deliveries did he make if he was paid a total of \$56?

Ans : _____

3. 4 girls shared the cost of a present equally. When calculating the amount each girl had to pay, a mistake was made. The cost of the present was divided by 5 instead of 4. Each girl ended up paying \$3.70 less than the correct amount. What should be the correct amount for each share?

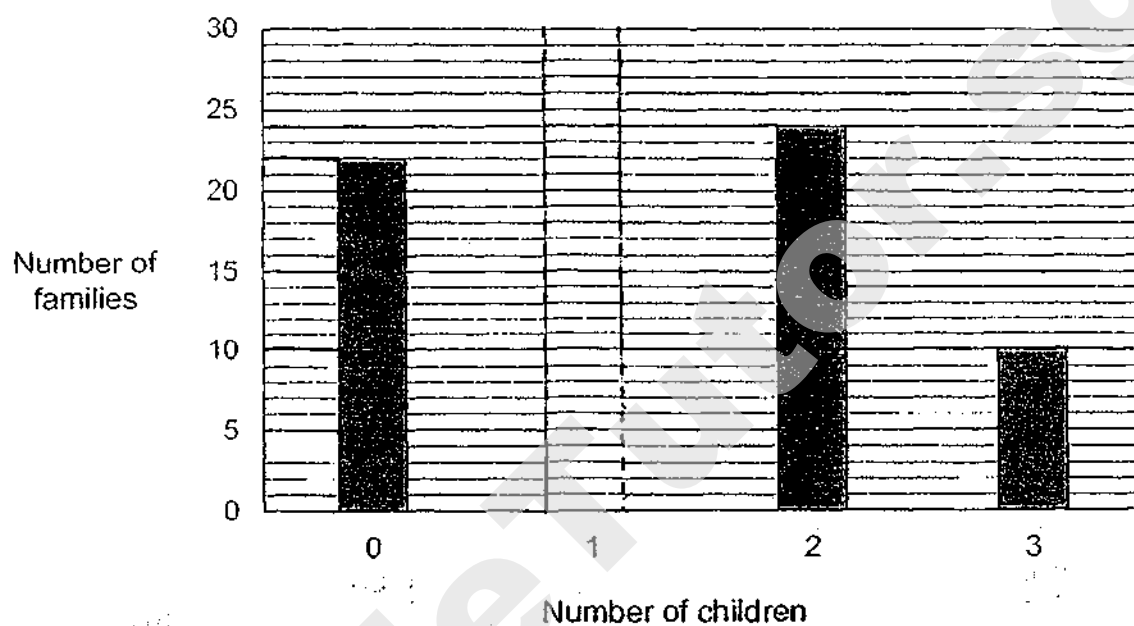
Ans : \$ _____

4. James has a number of red, blue and yellow cards. $\frac{3}{8}$ of the cards are red. The number of blue cards is twice the number of yellow cards. What fraction of James' cards are blue? Express your answer in the simplest form.

Ans : _____

--

5. The bar graph below shows the number of children in the families living in a block of flats. $\frac{1}{3}$ of the families have 1 child. Draw and shade a bar in the graph to show the number of families with 1 child.



For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

6. At first, Henry had \$70 and Ivan had \$42. Each bought a bag at the same price. The amounts of money Henry and Ivan had left were in the ratio of 5 : 1. How much money had Ivan left?

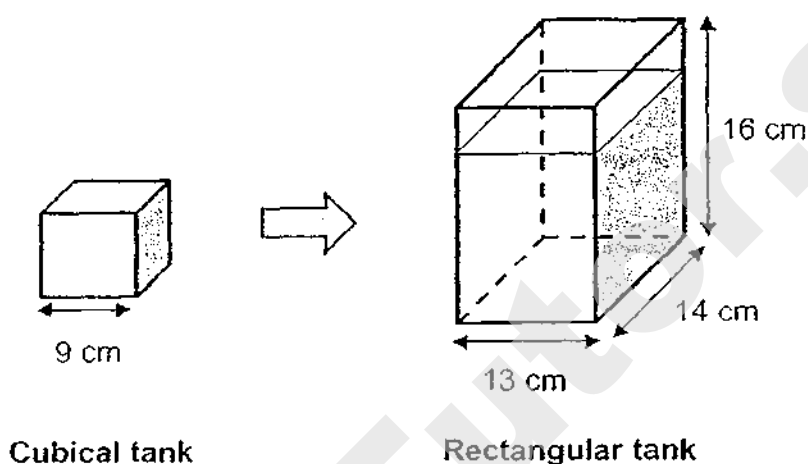
Ans : _____ [3]

7. A group of 20 boys and 30 girls took part in a Mathematics competition. The average score of the boys was 89 points while the average score of the girls was 84 points. What was the average score of all the children who participated in the competition?

Ans : _____ [3]

--

8. A rectangular tank measuring 13 cm by 14 cm by 16 cm is filled with some water. Sam then poured all the water from a fully-filled cubical tank of side 9 cm into the rectangular tank until it is $\frac{3}{4}$ filled. Find the amount of water in the rectangular tank at first. Give your answer in litres.

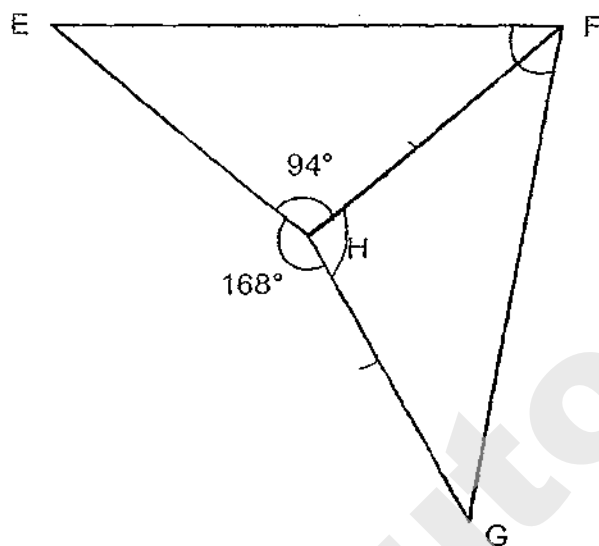


Ans : _____ [3]

9. At a bakery, Jenny paid \$21.30 for a chocolate cake and 5 muffins. Kathy paid \$37.40 for a chocolate cake and 12 muffins. Lucian bought 4 chocolate cakes. How much did he pay?

Ans : _____ [4]

10. In the figure below, $\triangle EFH$ and $\triangle HFG$ are isosceles triangles.
 $EH = HF = HG$. $\angle EHF = 94^\circ$ and $\angle EHG = 168^\circ$.
Find $\angle EFG$.



Ans : _____ [3]

11. There were 180 children in a hall. 30% of them were boys and the rest were girls.

a) How many more girls than boys were there?

b) During the break, some girls came to join the children in the hall. There were then 3 times as many girls as boys. How many girls came to join the children in the hall?

Ans : (a) _____ [1]

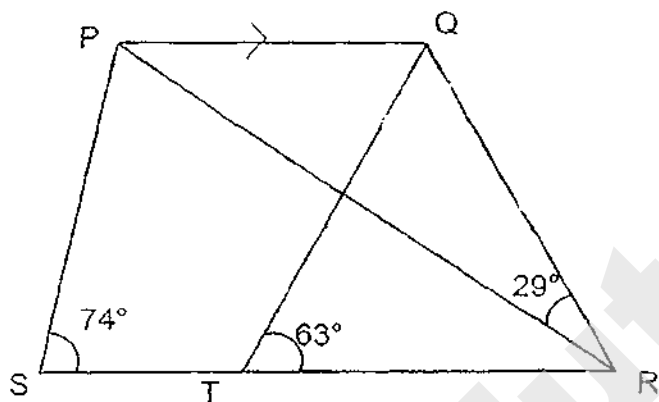
(b) _____ [3]

--

12. In the figure below, PQRS is a trapezium and QRT is an isosceles triangle. PQ is parallel to SR and $QT = QR$. $\angle QTR = 63^\circ$, $\angle QRP = 29^\circ$ and $\angle PST = 74^\circ$.

(a) Find $\angle TQR$.

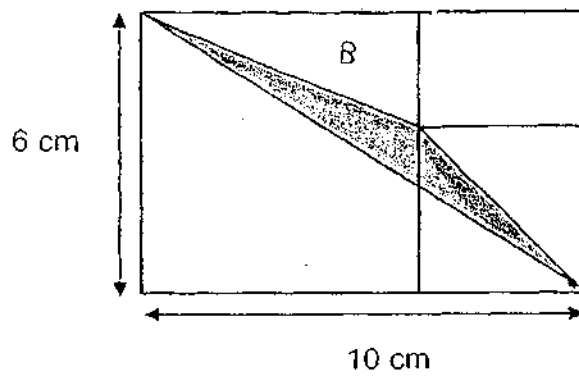
(b) Find $\angle SPR$.



Ans : (a) _____ [2]

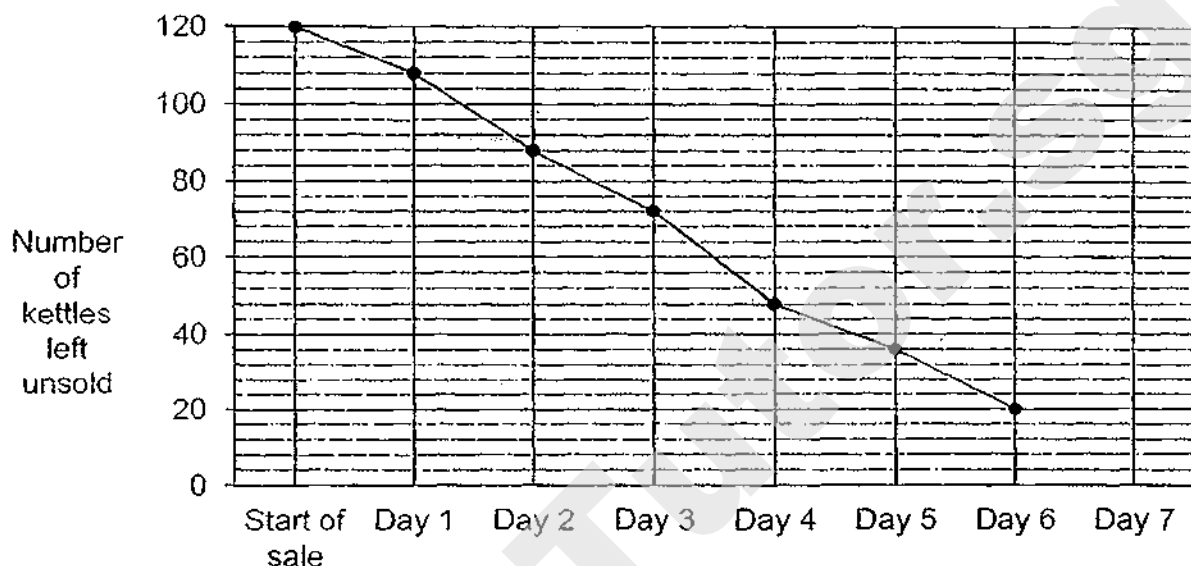
(b) _____ [2]

13. The figure below is made up of a large square and a small square.
Find the shaded area.



Ans : _____ [4]

14. A departmental store had 120 kettles for sale during a 7-day period. The line graph shows the number of kettles left unsold at the end of each day. The number of kettles left unsold at the end of Day 7 was not shown.



- (a) On which day (from Day 1 to Day 6), was the greatest number of kettles sold?
- (b) The average number of kettles sold for the last three days was 14. How many kettles were sold on Day 7?

Ans : (a) Day _____ [1]

(b) _____ [3]

15. Jerell bought 3200 Christmas ornaments. He gave $\frac{2}{5}$ of the ornaments to his friends and used $\frac{5}{6}$ of the remaining ornaments to decorate 60 large and small Christmas trees.

- (a) What fraction of the ornaments did Jerell use to decorate the Christmas trees?
- (b) Jerell used 40 ornaments on each large Christmas tree and 15 ornaments on each small Christmas tree. How many large Christmas trees were there?

Ans : (a) _____ [1]

(b) _____ [4]

--

16. Tom had an equal number of blue and red toy cars. He put all the blue toy cars equally into 3 boxes and all the red toy cars equally into 6 bags. There were a total of 18 toy cars in 1 box and 1 bag. How many blue and red toy cars did Tom have altogether?

Ans : _____ [3]

17. Kim had 852 beads. She put all the beads into 6 large containers and 9 small containers. Each large container can hold 12 more beads than each small container. Find the difference between the number of beads in the 6 large containers and the number of beads in the 9 small containers.

Ans: _____ [5]

End of Paper 2

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SCHOOL : ACS PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA2

SECTION A


Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
4	2	2	2	3	2	4	3
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
4	2	4	3	2	3	1	

SECTION B

Q16	3 020 019				
Q17	$\angle z = 85 - 31 = 54^\circ$				
Q18	$9 \div 7 = \frac{9}{7} = 1\frac{2}{7}$ pizza				
Q19	<table><tr><td>30min</td><td>5 hours</td><td>3hours</td><td>15 min</td></tr></table> 6.30am 7.00am 12.00pm 3.00pm 3.15pm Answer: 8 h 45 min	30min	5 hours	3hours	15 min
30min	5 hours	3hours	15 min		
Q20	45				
Q21	$6 \div 7 = 0.857142... \approx 0.86$				
Q22	20 marbles $\rightarrow 560 - 320 = 240g$ 1 marbles $\rightarrow 240 \div 20 = 12g$ 10 marbles $\rightarrow 12 \times 10 = 120g$ 1box $\rightarrow 320g - 120g = 200g$				
Q23	$\angle BCE = \angle CED = 43^\circ$ $\angle DCE = 180 - 43 - 108 = 29^\circ$ $\angle BDC = 180 - 96 - 29 = 55^\circ$ $\angle BDC = \angle ABD = 55^\circ$				
Q24	30 min for Machine A $\rightarrow 30 \times 20 = 600$ copies 30 min for Machine B $\rightarrow 1320 - 600 = 720$ copies 1 min for Machine B $\rightarrow 720 \div 30 = 24$ copies				
Q25	(a) North West (b) Point 5				
Q26	$\$56 \times \frac{7}{10} = \39.20				
Q27	1400 to 1600				
Q28	R : B $\rightarrow 1 : 3$ 1u $\rightarrow 2.6m - 1.5m = 1.1m$ 3u $\rightarrow 3.3m$ Total blue ribbon used $\rightarrow 4.8m - 3.3m = 1.5m$ Answer $\rightarrow 150cm$				

Q29	Shaded triangle A $\rightarrow \frac{1}{4}$ Shaded triangle B $\rightarrow \frac{1}{8}$ Answer $\rightarrow \frac{3}{8}$
Q30	Diff $\rightarrow 8 - 6 = 2$ $1u \rightarrow 24 \div 2 = 12$ $8u \rightarrow 12 \times 8 = 96$ sweets

SECTION C

Q1	Total pens $\rightarrow 218 + 138 = 356$ No of packet $\rightarrow 356 \div 6 = 59 \text{ R } 2$ Answer : 60 packets										
Q2	1 set $\rightarrow \$2 \times 5 + 4 = \14 How many sets $\rightarrow \$56 \div \$14 = 4$ 4 sets $\rightarrow 4 \times 5 = 20$ (1set = 5 times deliveries)										
Q3	$\$3.70 \times 4 = \14.80 $\$14.80 \times 5 = \74 (price of present) $\$74 \div 4 = \18.50										
Q4	$R : B : Y = 9 : 10 : 5$ Answer $\rightarrow \frac{5}{12}$										
Q5	$2u \rightarrow 22 + 24 + 10 = 56$ $1u \rightarrow 56 \div 2 = 28$  <table border="1"> <caption>Data from Bar Chart (Q5)</caption> <thead> <tr> <th>Number of children</th> <th>Number of families</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>20</td> </tr> <tr> <td>1</td> <td>28</td> </tr> <tr> <td>2</td> <td>22</td> </tr> <tr> <td>3</td> <td>10</td> </tr> </tbody> </table>	Number of children	Number of families	0	20	1	28	2	22	3	10
Number of children	Number of families										
0	20										
1	28										
2	22										
3	10										
Q6	$H : I \rightarrow 5 : 1$ $4u \rightarrow \$70 - \$42 = \$28$ $1u \rightarrow \$28 \div 4 = \7 Answer $\rightarrow \$7$										
Q7	Total boys score $\rightarrow 20 \times 89 = 1780$ Total girls score $\rightarrow 30 \times 84 = 2520$ Total children score $\rightarrow 1780 + 2520 = 4300$ Average score $\rightarrow 4300 \div 50 = 86$										
Q8	Volume in the end $\rightarrow \frac{3}{4} \times 13 \times 14 \times 16$ $= 2184 \text{ cm}^3$ Volume for cube $\rightarrow 9 \times 9 \times 9$ $= 729 \text{ cm}^3$ Water in tank $\rightarrow 2184 - 729 = 1455 \text{ cm}^3 \approx 1.455 \text{ l}$										

Q9	7 muffins $\rightarrow \$37.40 - \$21.30 = \$16.10$ 5 muffins $\rightarrow \$16.10 \div 7 \times 5 = \11.50 1 cake $\rightarrow \$21.30 - \$11.50 = \$9.80$ 4 cakes $\rightarrow \$9.80 \times 4 = \39.20																											
Q10	$\angle FHG = 360 - 94 - 168 = 98$ $\angle GFH = FGH = (180 - 98) \div 2 = 41$ $\angle EFH = FEH = (180 - 94) \div 2 = 43$ $\angle EFG = 41 + 43 = 84^\circ$																											
Q11	B : G : T $\rightarrow 3 : 7 : 10$ $1u \rightarrow 180 \div 10 = 18$ $7u - 3u = 4u \rightarrow 18 \times 4 = 72$ Ans(a) $\rightarrow 72$ $3u \times 3 = 9u$ $9u - 7u = 2u \rightarrow 18 \times 2 = 36$ Ans(b) $\rightarrow 36$																											
Q12	a) $\angle TQR = 180 - 63 - 63 = 54^\circ$ b) $\angle STQ = 180 - 63 = 117^\circ$ $\angle POT = \angle QOR = 180 - 29 - 54 = 97^\circ$ $\angle SPR = 360 - 74 - 117 - 97 = 72^\circ$																											
Q13	Length of small square $\rightarrow 10 - 6 = 4\text{cm}$ Area of triangle a $\rightarrow \frac{1}{2} \times 10 \times 6 = 30\text{cm}^2$ Area of triangle b $\rightarrow \frac{1}{2} \times 2 \times 6 = 6\text{cm}^2$ Area of triangle C $\rightarrow \frac{1}{2} \times 4 \times 4 = 8\text{cm}^2$ Total area of unshaded $\rightarrow 30 + 6 + 8 = 44\text{cm}^2$ Total area of figure $\rightarrow (6 \times 6) + (4 \times 4) = 52\text{cm}^2$ Shaded area $\rightarrow 52 - 44 = 8\text{cm}^2$																											
Q14	<table border="1"><tr><td>Days</td><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>No of kettles</td><td>120</td><td>108</td><td>88</td><td>72</td><td>48</td><td>36</td><td>20</td><td>6</td></tr><tr><td>Solds</td><td></td><td>12</td><td>20</td><td>16</td><td>24</td><td>12</td><td>16</td><td>14</td></tr></table> Ans(a) \rightarrow days 4 Total sold in last three days $\rightarrow 14 \times 3 = 42$ Total sold in day 7 $\rightarrow 42 - 12 - 16 = 14$ Ans(b) \rightarrow 14 kettles	Days	0	1	2	3	4	5	6	7	No of kettles	120	108	88	72	48	36	20	6	Solds		12	20	16	24	12	16	14
Days	0	1	2	3	4	5	6	7																				
No of kettles	120	108	88	72	48	36	20	6																				
Solds		12	20	16	24	12	16	14																				
Q15	(a) $\frac{3}{5} \times \frac{5}{6} = \frac{1}{2}$ (b) $\frac{1}{2} \times 3200 = 1600$ 60 small $\rightarrow 40 \times 15 = 900$ $2400 - 900 = 1500$ $40 - 15 = 25$ $1500 \div 25 = 60$ large Christmas trees																											
Q16	B : R $\rightarrow 6 : 6$ 1 box and 1 bag $\rightarrow B : R = 2 : 1$ $3u \rightarrow 18$ $1u \rightarrow 18 \div 3 = 6$ $12u \rightarrow 6 \times 12 = 72$ cars																											

Q17	<p>6 more large $\rightarrow 12 \times 6 = 72$ 15u $\rightarrow 852 - 72 = 780$ 1u $\rightarrow 780 \div 15 = 52$ 6 large $\rightarrow 52 \times 6 + 72 = 384$ 9 small $\rightarrow 52 \times 9 = 468$ Ans $\rightarrow 468 - 384 = 84$</p>
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AI TONG SCHOOL
2019
END-OF-YEAR EXAMINATION
PRIMARY 5
STANDARD MATHEMATICS
PAPER 1
(Booklets A and B)

DURATION : 1 h

DATE : 31 OCTOBER 2019

INSTRUCTIONS

Do not open the booklet until you are told to do so.

Follow all instructions.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

You are not allowed to use a calculator.

Name: _____ ()

Class: Primary 5 _____

Marks: _____

Parent's Signature : _____	
Date : _____	

Paper 1	45
Paper 2	55
Total	

SmileTutor.sg

Paper 1. Booklet A

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.

For each question, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.
(20 marks)

1 What is the value of the digit 9 in 890 456?

- (1) 900 000
- (2) 90 000
- (3) 9000
- (4) 900

2 Find the value of $108 - 36 \div 3 \times 6$.

- (1) 576
- (2) 144
- (3) 36
- (4) 4

3 How many eighths are there in $2\frac{1}{4}$?

- (1) 9
- (2) 12
- (3) 18
- (4) 21

4 Which one of the following is closest to 1?

(1) $\frac{2}{3}$

(2) $\frac{3}{4}$

(3) $1\frac{1}{6}$

(4) $1\frac{1}{2}$

5 Express 4 km 10 m in km.

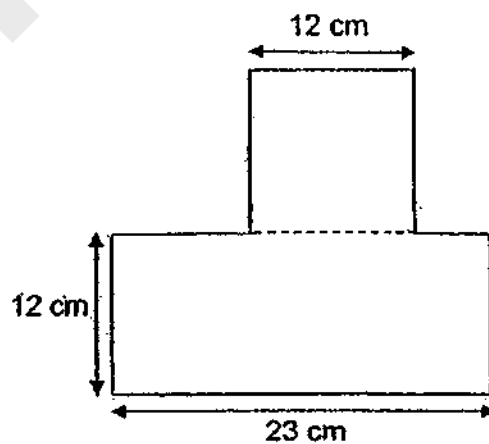
(1) 0.410 km

(2) 4.1 km

(3) 4.01 km

(4) 4.001 km

6 The figure below shows a square and a rectangle. All the lines meet at right angles. Find the perimeter of the figure.



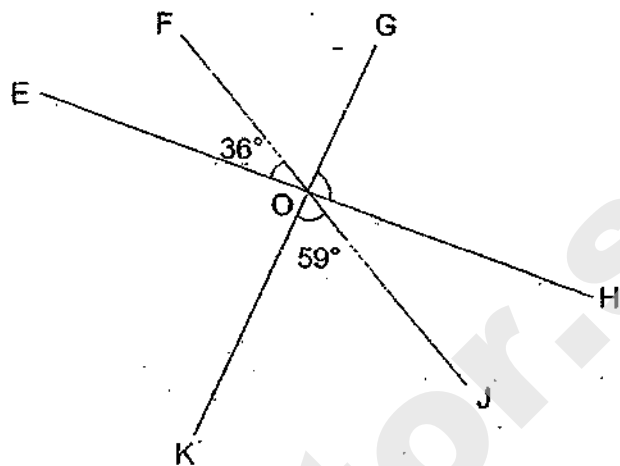
(1) 83 cm

(2) 94 cm

(3) 118 cm

(4) 420 cm

- 7 In the figure, EOH, FOJ and GOK are straight lines. Find $\angle GOH$.



- (1) 85°
(2) 95°
(3) 121°
(4) 144°
- 8 What is the missing number in the \square ?

$$\square : 4 = 15 : 6$$

- (1) 5
(2) 10
(3) 11
(4) 13
- 9 Sam has 36 toys in his toy box. The ratio of the number of toy cars to toy robots to toy planes is $2 : 4 : 3$. How many toy cars and planes does Sam have?

- (1) 8
(2) 12
(3) 20
(4) 28

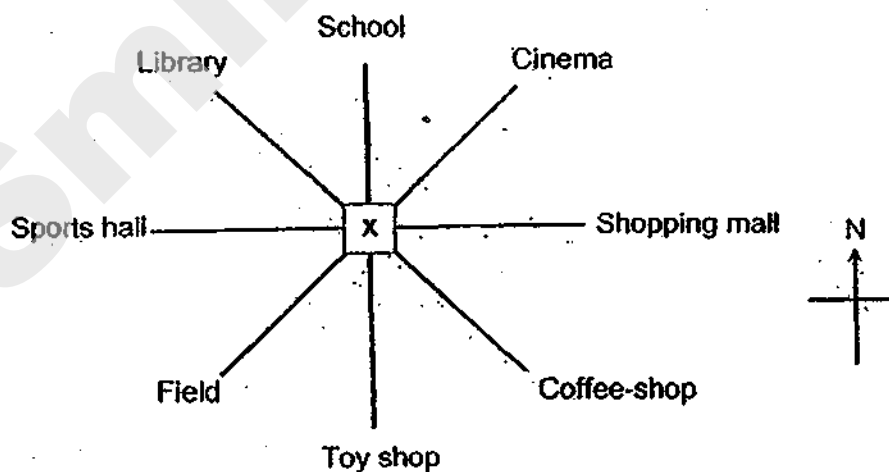
- 10 A group of 3 girls and 2 boys took a quiz. The average score of the 3 girls was 18. The score of the 2 boys were 6 and 0. Find the average score of the children.

- (1) 60
- (2) 54
- (3) 15
- (4) 12

- 11 There were 20 pages in a book and Asher read 7 pages. What percentage of the book did he read?

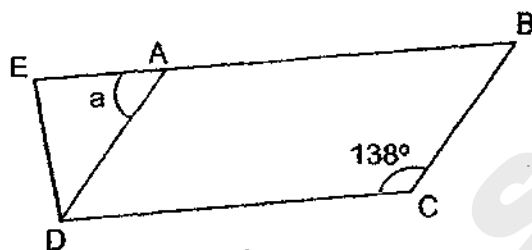
- (1) 7%
- (2) 14%
- (3) 20%
- (4) 35%

- 12 Xuele stands at Point X and turns 45° anti-clockwise. He faces south-east in the end. Which location was he facing at first?



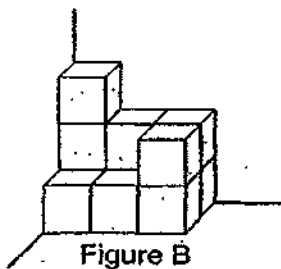
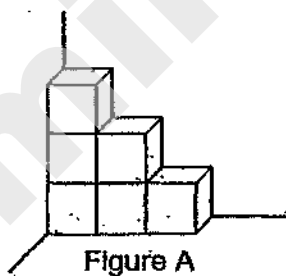
- (1) Field
- (2) Sports hall
- (3) Shopping mall
- (4) Toy shop

- 13 ABCD is a parallelogram and EAD is a triangle. EAB is a straight line. Find $\angle a$.



- (1) 42°
- (2) 45°
- (3) 48°
- (4) 69°

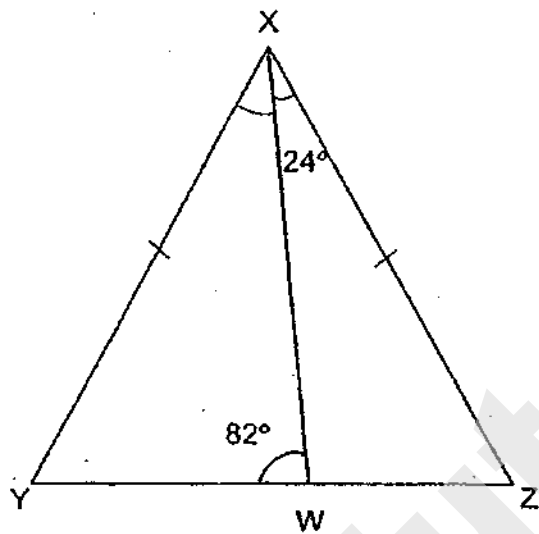
- 14 The 2 solids below are made up of 1-cm cubes.



How many 1 cm cubes must be added to Figure A to form Figure B?

- (1) 5
- (2) 6
- (3) 11
- (4) 17

- 15 In the figure below, XYZ is an isosceles triangle.
 $\angle ZXW = 24^\circ$ and $\angle XWY = 82^\circ$. Find $\angle WXY$.



- (1) 37°
- (2) 40°
- (3) 49°
- (4) 58°

Booklet B

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (5 marks)

- 16 Write five million, ten thousand and fifteen in figures.

Ans: _____

- 17 A whole number is 900 000 when rounded to the nearest thousand.
What is the greatest possible value of this whole number?

Ans: _____

- 18 What is the missing number in the box?

4205, 14 255, , 34 355, 44 405, 54 455

Ans: _____

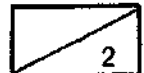
- 19 In a basket, $\frac{5}{6}$ of the fruits are apples. $\frac{4}{5}$ of the apples are red apples. What fraction of the fruits in the basket are red apples? Express the answer in the simplest form.

Ans: _____

- 20 Measure and write down the size of $\angle w$:



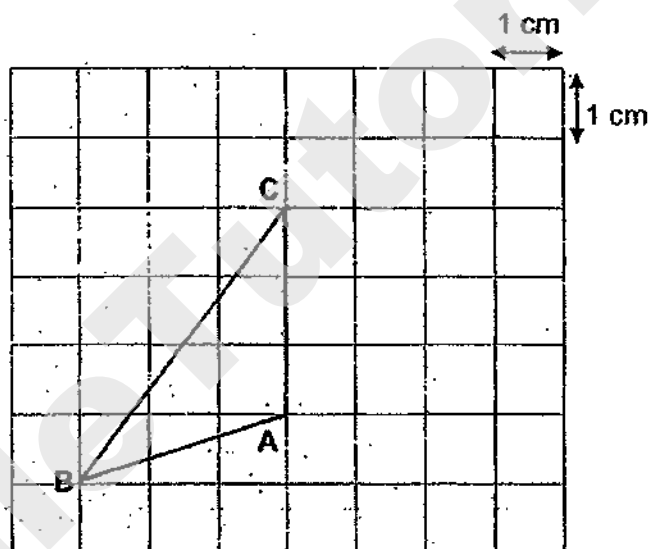
Ans: _____



Questions 21 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

21 The square grid is made up of 1-cm squares.

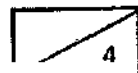
- (a) Find the area of triangle ABC.
- (b) AB and BC form two sides of a parallelogram ABCD. Complete the drawing of parallelogram ABCD. Label Point D.



Ans: (a) _____ cm^2

22 When 20 identical books were stacked one on top of the other, the height was 44.8 cm. After 13 books were removed, what was the height of the remaining stack of books?

Ans: _____ cm



- 23 Express $\frac{5}{9}$ as a decimal correct to 2 decimal places.

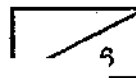
Ans: _____

- 24 There are 1700 trees in a plantation. 35% of the trees are papaya trees.
How many papaya trees are there?

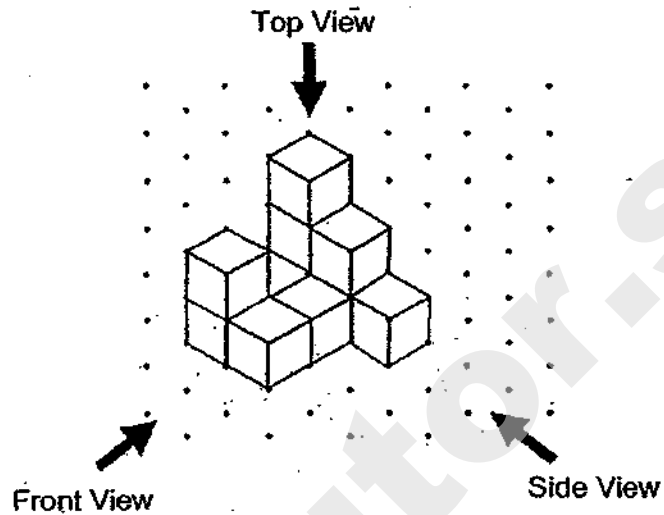
Ans: _____

- 25 Sharon bought $\frac{1}{2}$ kg of sugar. She used $\frac{1}{4}$ of it to bake a cake.
How much sugar had she left?

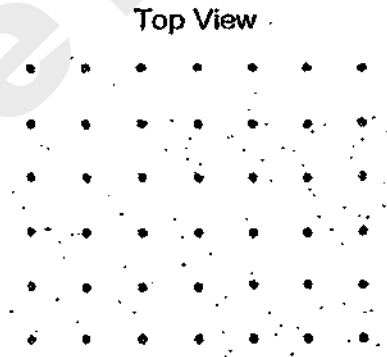
Ans: _____ kg



- 26 Vera stacked 10 unit cubes and glued them together to form the solid below.

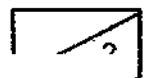


- (a) Draw the top view of the solid on the grid below.



- (b) Vera painted the whole solid, including the base, red.
How many of the 10 cubes had exactly five of their faces painted red?

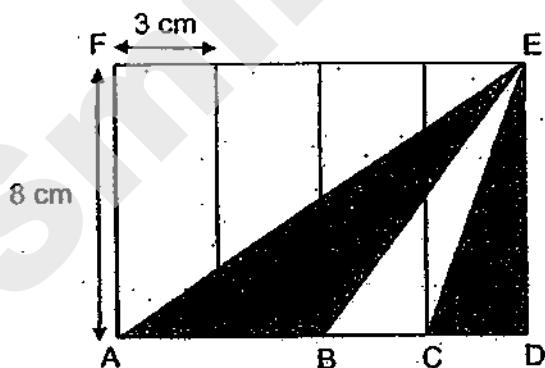
Ans: (b) _____



- 27 A string was cut into 3 pieces A, B and C in the ratio 2 : 6 : 5. The difference in the length of the longest and the shortest piece is 24 m. What is the length of string C?

Ans: _____ m

- 28 Rectangle ADEF is made up of 4 identical rectangles. AE, BE and CE are straight lines. Find the area of the shaded parts.



Ans: _____ cm²

- 29 The table below shows the time taken by 4 participants in a race. All the times recorded are in whole numbers. Some of the time recorded were blocked by an ink drop.

Name	Time taken (seconds)
Arthur	5
Bradley	4
Cavin	5
Dexter	45

The average time taken by the 4 participants was 49 seconds. The difference between the time taken by Arthur and Cavin was 6 seconds. Find the shortest possible time taken by Bradley.

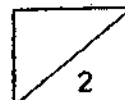
Ans: _____ s

- 30 The table shows the postage rates for posting mail locally and overseas.

Mass step not over	Local Postage	Overseas Postage
First 50 g	60¢	70¢
Every additional 10 g	25¢	35¢

Mr Lim paid \$4.20 for posting a package overseas.
What was the greatest possible mass of the package that Mr Lim posted?

Ans: _____





AI TONG SCHOOL

2019

END-OF-YEAR EXAMINATION

PRIMARY 5

**STANDARD MATHEMATICS
PAPER 2**

DURATION : 1 h 30 min

DATE : 31 OCTOBER 2019

INSTRUCTIONS

Do not open the booklet until you are told to do so.

Follow all instructions.

Answer all questions.

You are allowed to use a calculator.

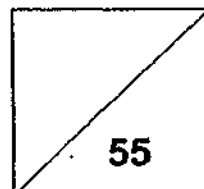
Name: _____ ()

Class: Primary 5 _____

Marks:

Parent's Signature : _____

Date : _____



Paper 2

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

For questions which require units, give your answers in the units stated. (10 marks)

- 1 A coil of wire 980 m long is cut into equal pieces of 30 m each. What is the most number of such pieces of wire that can be cut?

Ans: _____

- 2 The original price of a refrigerator was \$600. During the Great Singapore Sale, Bala bought it at 20% discount. He paid 7% GST on the discounted price. How much did he pay for the refrigerator?

Ans: \$ _____

- 3 An excursion to the zoo was organised for 38 children. The sign below shows the price of the tickets.

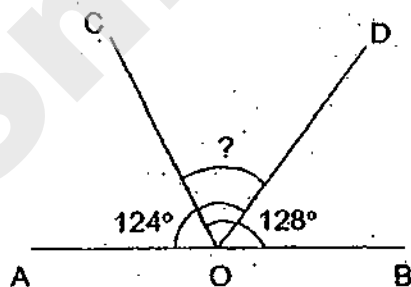
Entrance ticket
Child: \$23.50 per ticket

Promotion
Buy 5 tickets, get 1 ticket free.

What was the total amount of money the children had to pay to enter the zoo during the promotion?

Ans: \$ _____

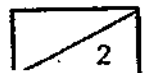
- 4 In the figure, AOB is a straight line. $\angle AOD$ is 124° and $\angle COB$ is 128° . Find $\angle COD$.



Ans: _____^o

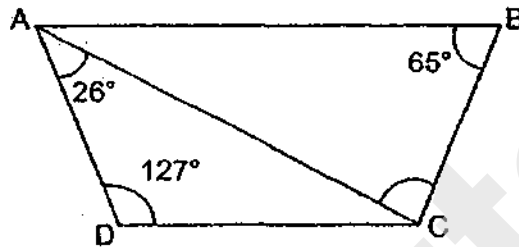
- 5 Peter left his house at 19 45. He took 30 minutes by bus to reach the cinema. He waited for his friend for 20 minutes. The show started once his friend arrived and ended at 22 30. How long was the show? Give your answer in hours and minutes.

Ans: _____ h _____ min



For questions 6 to 17, show your working clearly in the space provided for each question and write the answers in the spaces provided.
The number of marks available is shown in the brackets [] at the end of each question or part-question. (45 marks)

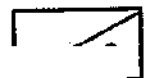
- 6 In the figure below, ABCD is a trapezium and AB is parallel to DC.
Find $\angle ACB$.



Ans: _____ [3]

- 7 Susan spent $\frac{1}{7}$ of her money and an additional \$6 on a pair of shoes. She spent $\frac{1}{5}$ of her remaining money and an additional \$8 on a dress. She had \$40 left. How much money did she have at first?

Ans: _____ [3]



- 8 Mary puts some grapes into a box and the mass of the box and grapes is 5.82 kg. Tom puts some grapes into an identical box and the mass of the box and grapes is 2.22 kg. Mary's grapes are three times as heavy as Tom's grapes. What is the mass of the box when it is empty?

Ans : _____ [3]

- 9 Grace had thirty 20¢ coins. She also had an equal number of 10¢ and 5¢ coins. The total value of all her coins was \$11.55.

Each statement below is either true, false, or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
Grace had more 20¢ coins than 10¢ coins.			
The value of all the 5¢ coins is less than the value of all the 10¢ coins.			
Grace had fewer than 100 coins in total.			

[3]

- 10 A taxi service charges the following rates:

Distance travelled	Charge
First kilometre or less	\$3.40
Every 400 m thereafter or less	22¢

Mrs Tan boarded a taxi from the airport and headed to the city 15 km away.
There was a surcharge of \$4 from the airport. How much taxi fare did Mrs Tan pay?

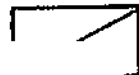
Ans: _____ [3]

- 11 There are 80 participants in a competition. The average score of each participant is 58.5. The average score of the male participants is 64 and the average score of the female participants is 56.

- (a) What is the total score of the 80 participants?
(b) How many male participants are there in the competition?

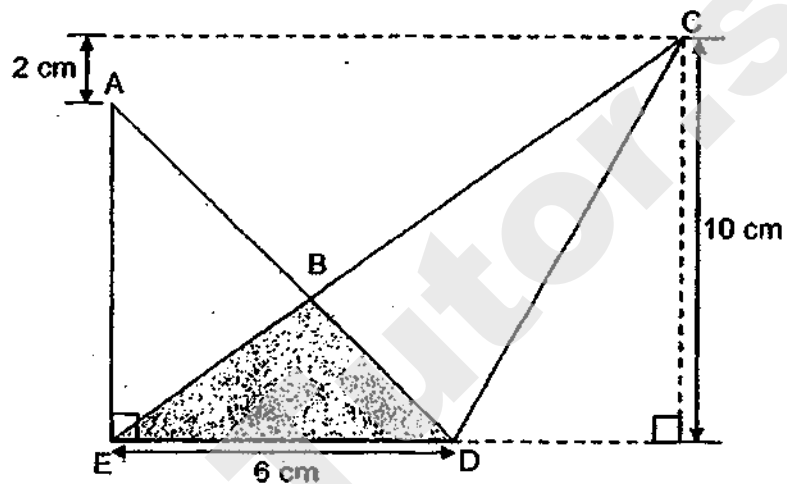
Ans: (a) _____ [2]

(b) _____ [2]



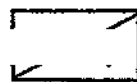
12 Figure ABCDE has an area of 36 cm^2 . ADE and CDE are triangles.

- (a) Find the area of triangle ADE.
- (b) Find the area of the shaded part.

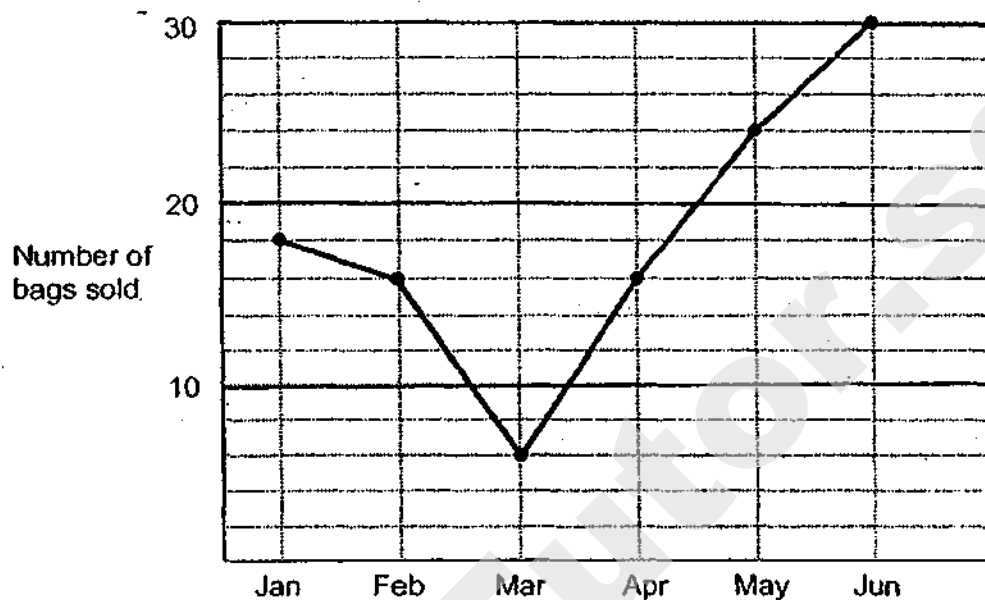


Ans: (a) _____ [2]

(b) _____ [2]



- 13 The line graph shows the number of bags sold from January to June.



- (a) Between which 2 months was the increase in sales the greatest?
- (b) How many bags were sold from January to June?
- (c) Each bag was sold at the same price. How much was each bag sold for if a total of \$1650 was collected from the sale of all the bags?

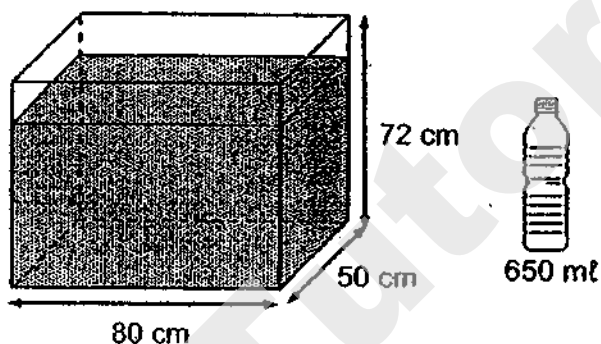
Ans: (a) _____ and _____ [1]

(b) _____ [1]

(c) _____ [2]

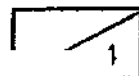
- 14 A rectangular tank measuring 80 cm long, 50 cm wide and 72 cm high is $\frac{7}{8}$ filled with water.

- (a) The water in the tank is used to fill up identical bottles of capacity 650 ml each. How many such bottles can be completely filled?
- (b) How much water is left in the tank?
Give your answer in litres.



Ans: (a) _____ [2]

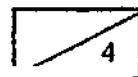
(b) _____ [2]



- 15 There was an equal number of girls and boys in the hall at first. At recess, $\frac{1}{4}$ of the boys and $\frac{1}{3}$ of the girls left the hall. The number of boys who remained in the hall was 12 more than the number of girls who remained in the hall.
- (a) What fraction of the children left the hall?
- (b) How many boys and girls were there in the hall altogether at first?

Ans: (a) _____ [2]

(b) _____ [2]

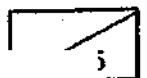


- 16 Melissa and Zoe bought an equal amount of flour. Each day, Melissa used 3.5 kg of flour and Zoe used 2.4 kg more than Melissa. When Melissa had 16.8 kg of flour left, Zoe had 4.8 kg of flour left.

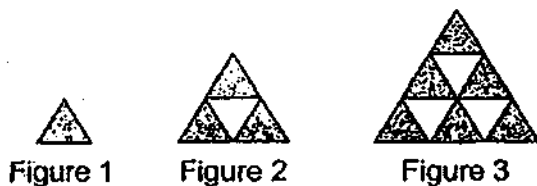
- (a) How many days did they use the flour?
- (b) How much flour did each of them have at first?

Ans: (a) _____ [3]

(b) _____ [2]



- 17 The diagram shows a sequence of patterns formed by identical triangles.



- (a) Observe the pattern and complete the table below for Figure 4.

Figure Number	Number of Shaded Triangles	Number of Unshaded Triangles	Total Number of Triangles
1	1	0	1
2	3	1	4
3	6	3	9
4			

[2]

- (b) A figure in the pattern has a total of 169 triangles.
What is the Figure Number?
- (c) Another figure has 50 more shaded triangles than unshaded triangles.
What is the total number of triangles in this figure?

Ans: (b) _____ [1]

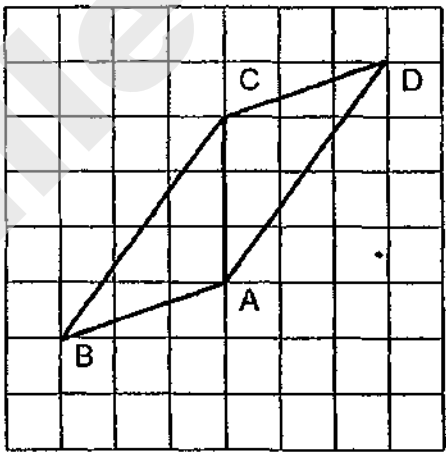
(c) _____ [2]

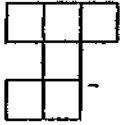
SCHOOL : AI TONG PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA2

Paper 1
Booklet A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	3	3	3	2	1	2	3	4
Q11	Q12	Q13	Q14	Q15					
4	4	1	1	2					

Booklet B

Q16	5 010 015
Q17	900 499
Q18	24305
Q19	$\frac{2}{3}$
Q20	115°
Q21	<p>(a) 4.5cm^2</p> <p>(b)</p> 
Q22	15.68
Q23	0.56
Q24	595
Q25	$\frac{3}{8}$

Q26	(a) 
	(b) 3
Q27	30
Q28	36
Q29	41
Q30	15

Paper 2

Q1 $980 \div 30 = 32\frac{2}{3}$
 ≈ 32

Q2 $100\% \rightarrow 600$
 $1\% \rightarrow 6$
 $80\% \rightarrow 80 \times 6 = 480$

$100\% \rightarrow 480$
 $1\% \rightarrow 4.8$
 $107\% \rightarrow 4.8 \times 107 = 513.60$

Q3 $38 \div 6 = 6R2$
 $38 - 6 = 32$
 $32 \times 23.50 = 752$

Q4 $\angle BOB = 180^\circ - 124^\circ$
 $= 56^\circ$
 $\angle BOB = 128^\circ - 56^\circ$
 $= 72^\circ$

Q5 $1\text{h } 30\text{min} + 20\text{min} + 5\text{min} = 1\text{h } 55\text{min}$

Q6 $180^\circ - 127^\circ - 26^\circ = 27^\circ$
 $180^\circ - 127^\circ = 53^\circ$
 $53^\circ - 26^\circ = 27^\circ$
 $180^\circ - 65^\circ - 27^\circ = 88^\circ$

Q7 $4 \text{ units} = 40 + 8$
 $= 48$
 $1 \text{ unit} = 48 \div 4$
 $= 12$
 $5 \text{ units} = 12 \times 5$
 $= 60$

$6 \text{ units} = 60 + 6$
 $= 66$
 $1 \text{ unit} = 66 \div 6$
 $= 11$
 $7 \text{ units} = 11 \times 7$
 $= 77$

Q8 $2 \text{ units} = 5.82 - 2.22$
 $= 3.6$
 $1 \text{ unit} = 3.6 \div 2$
 $= 1.8$
 $2.22 - 1.8 = 0.42$

Q9 False
 True
 False

Q10 $4 + 3.40 = 7.4$
 $15 - 1 = 14$
 $14 \div 0.4 = 3.5$
 $35 \times 22 = 770$
 $770\phi = \$7.70$
 $7.70 + 7.40 = 15.10$

Q11 (a) $58.5 \times 80 = 4680$

(b) Assume all participants are female

$80 \times 56 = 4480$
 $64 - 55 = 8$
 $4680 - 4480 = 200$
 $200 \div 8 = 25$

Q12 (a) $10 - 2 = 8$

$$\frac{1}{2} \times 6 \times 8 = 24$$

(b) $36 - 24 = 12$

$$\frac{1}{2} \times 60 \times 10 = 30$$

$$30 - 12 = 18$$

Q13 (a) Mar and Apr

(b) $8 + 16 + 6 + 16 + 24 + 30 = 110$

(c) $1650 \div 110 = 15$

Q14 (a) $80 \times 50 \times 72 = 288\,000$

$$\frac{7}{8} \times 288\,000 = 25\,200$$

$$252\,00 \div 650 = 387\frac{9}{13}$$

(b) $\frac{9}{13} \times 650 = 450$

$$450\text{ml} = 0.45\text{ l}$$

Q15

u - units	Boys	Girls	Total
At first	12u	12u	24u
Left the hall	3u	4u	7u
Remained hall	9u	8u	

(a) $\frac{7}{24}$

(b) $9u - 8u = 1u$

$$1u = 12$$

$$24u = 12 \times 24$$

$$= 288$$

Q16 (a) $3.5 + 2.4 = 5.9$ (Zoe)

$$5.9 - 3.5 = 2.4$$

$$16.8 - 4.8 = 12$$

$$12 \div 2.4 = 5 \text{ (days)}$$

(b) $5 \times 3.5 = 17.5$

$$17.5 + 16.8 = 34.3$$

- Q17** (a) 10, 6, 16
(b) 13
(c) $50 \times 50 = 2500$

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CATHOLIC HIGH SCHOOL
END-OF-YEAR EXAMINATION (2019)
PRIMARY FIVE
MATHEMATICS
PAPER 1
(BOOKLET A)

Name : _____ ()

Class : Primary 5 _____

Date : 25 Oct 2019

Total Time for Booklets A and B: 1 hour

15 questions

20 marks

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

The use of calculators is **NOT** allowed.

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Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. All diagrams are not drawn to scale. (20 marks)

1. What is eight million, twenty-one thousand and fifteen in numeral?

- (1) 8 021 015
 - (2) 8 021 150
 - (3) 8 210 015
 - (4) 8 210 150
-

2. Which of the following is the same as 3015 cm?

- (1) 3.15 m
 - (2) 3.105 m
 - (3) 3.015 m
 - (4) 30.15 m
-

3. What is the value of $4200 \div 30$?

- (1) 140
 - (2) 1400
 - (3) 12 600
 - (4) 126 000
-

4. There are 45 731 children at a carnival. Express this number to the nearest hundred.

- (1) 45 000
 - (2) 45 600
 - (3) 45 700
 - (4) 45 800
-

5. How many quarters are there in $5\frac{1}{2}$?

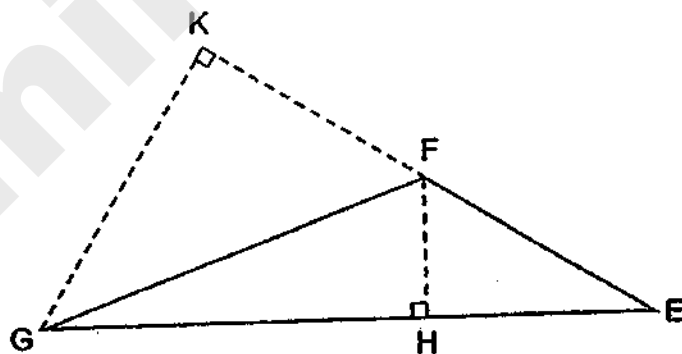
- (1) 11
 - (2) 22
 - (3) 12
 - (4) 21
-

6. What is the missing number in the box?

$$24 : 32 = \boxed{} : 4$$

- (1) 6
 - (2) 8
 - (3) 3
 - (4) 12
-

7. In the figure below, FEG is a triangle.
Given that FE is the base of triangle FEG, what is the height of triangle FEG?



- (1) FH
 - (2) KG
 - (3) EG
 - (4) FG
-

8. Which of the following is closest to 1?

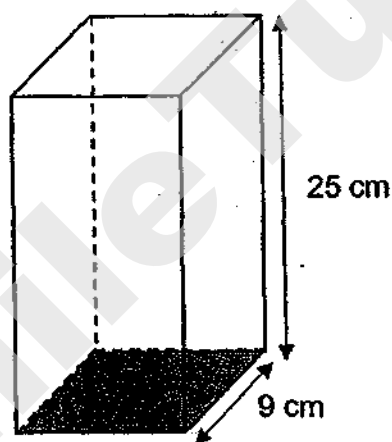
(1) $\frac{3}{4}$

(2) $\frac{4}{3}$

(3) $\frac{4}{5}$

(4) $\frac{7}{6}$

9. The diagram shows a cuboid with a square base. Find its volume.



(1) 225 cm^3

(2) 450 cm^3

(3) 2025 cm^3

(4) 5625 cm^3

10. The table below shows the scores of 3 boys in a test.

Name	Scores
Thomas	50
Ali	75
Kumar	85

What is the average score of the 3 boys?

- (1) 70
- (2) 75
- (3) 80
- (4) 85

-
11. The table below shows the charges for renting a bicycle from a shop.

Basic fee	\$12
Additional charge	\$5 per half an hour or part thereof

Winston rented a bicycle from 11.30 a.m. to 2.45 p.m. on the same day.
How much did he pay for the rental?

- (1) \$22
- (2) \$27
- (3) \$34
- (4) \$39

-
12. Amirah has a total of 216 roses, orchids and lilies. The ratio of the number of roses to the number of orchids to the number of lilies is 3 : 4 : 2. How many lilies does she have?

- (1) 48
- (2) 72
- (3) 96
- (4) 144

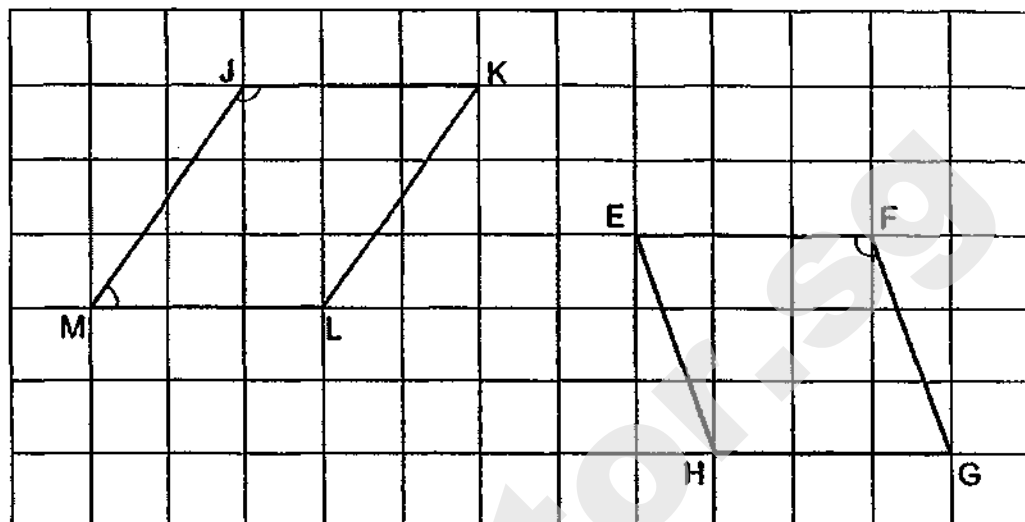
13. At an amusement park, there were 400 children. 32% of the children were girls. How many boys were at the amusement park?

- (1) 128
 - (2) 272
 - (3) 332
 - (4) 368
-

14. There were some chocolate and vanilla cakes at a shop. After the shop sold $\frac{2}{5}$ of the chocolate cakes and $\frac{2}{3}$ of the vanilla cakes, there was an equal number of chocolate and vanilla cakes left. What was the ratio of the number of chocolate cakes to the number of vanilla cakes at first?

- (1) 1 : 2
 - (2) 3 : 1
 - (3) 5 : 3
 - (4) 5 : 9
-

15. Figures JKLM and EFGH are shown in the square grid below.



Based on what is shown in the square grid, which of the following statement(s) is/are true?

Statement A : $\angle MJK = \angle EFG$

Statement B : $\angle LMJ + \angle MJK = 180^\circ$

Statement C : Line EH is parallel to line JM.

- (1) B only
- (2) C only
- (3) A and B only
- (4) A and C only

END OF BOOKLET A



CATHOLIC HIGH SCHOOL
END-OF-YEAR EXAMINATION (2019)
PRIMARY FIVE
MATHEMATICS
PAPER 1
(BOOKLET B)

Name : _____ ()

Class : Primary 5 _____

Date : 25 Oct 2019

Total Time for Booklets A and B: 1 hour

15 questions

25 marks

Booklet A	
Booklet B	
Total	

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of calculators is **NOT** allowed.

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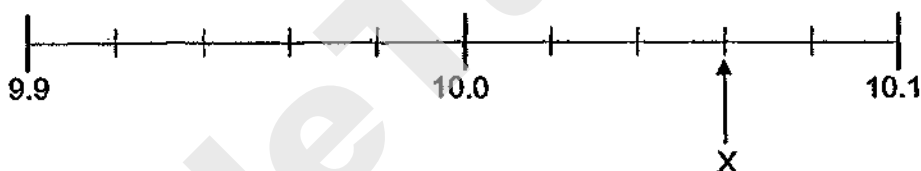
Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. (5 marks)

Do not write
in this space

16. Find the value of $35 - 14 + 3 \times 6$

Ans: _____

17. The number line is marked at equal intervals. What is the value of the reading at X?



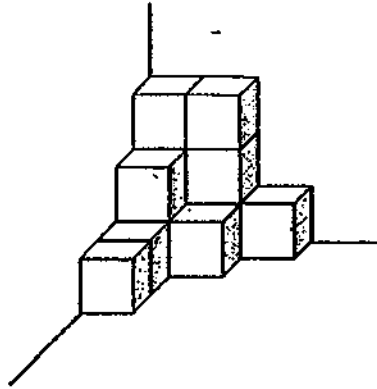
Ans: _____

18. Express 15% as a fraction in the simplest form.

Ans: _____

19. The solid shown below is made up of 1-cm cubes. What is the volume of the solid?

Do not write
in this space

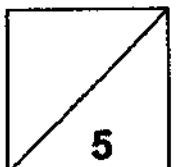


Ans: _____ cm³

20. Jerry bought 3 m of ribbon. He gave $\frac{2}{9}$ m of ribbon to his friend.
What was the length of the ribbon he had left?

Ans: _____ m

Total marks for questions 16 to 20



Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

(20 marks)

Do not write
in this space

21. George had $\frac{2}{9}$ kg of flour. He used $\frac{1}{3}$ of it to bake a cake.
How much flour did he have left?

Ans: _____ kg

22. A bag contains some red, blue and green beads. The ratio of the number of red beads to that of blue beads is 2 : 3. The ratio of the number of blue beads to that of green beads is 9 : 7. What is ratio of the number of red beads to that of green beads?

Ans: _____

23. Sam had \$96 more than Henry. After spending the same amount of money, Sam had thrice as much money as Henry. How much did Henry have left?

Do not write
in this space

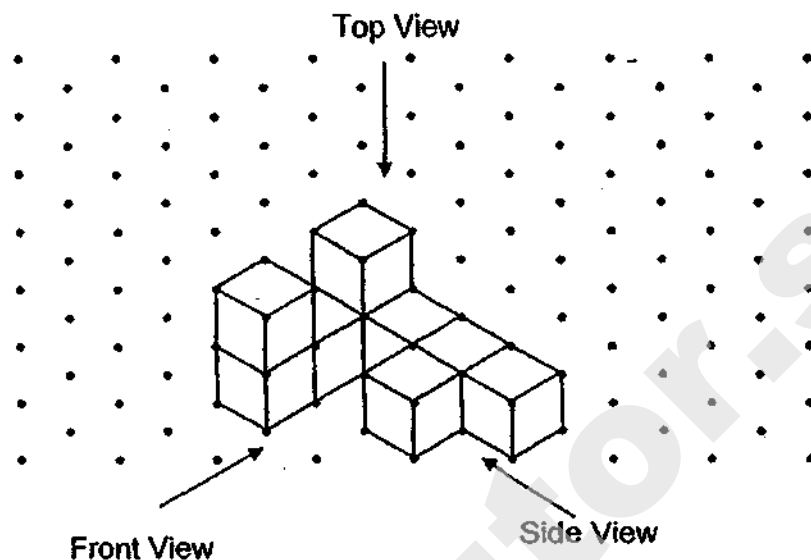
Ans: \$ _____

24. At a party, 5 children shared 7 pizzas equally among themselves. What fraction of a pizza did each child get?

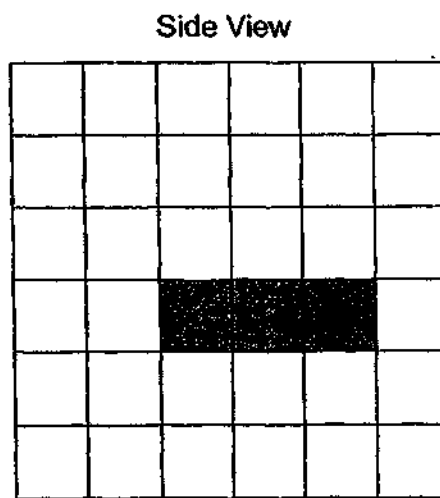
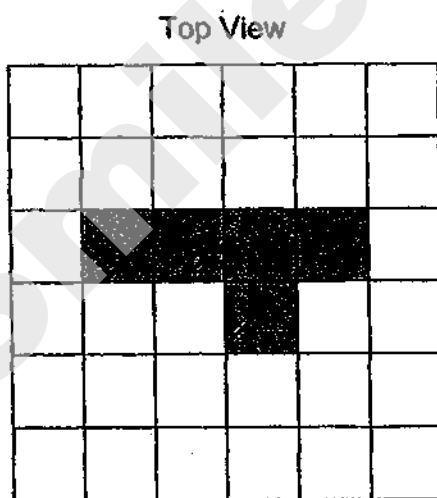
Ans: _____

25. The following solid is made up of 9 cubes.

Do not write
in space

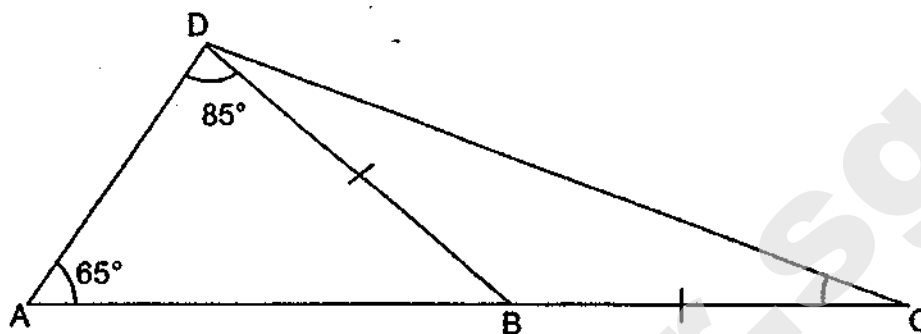


Part of the top view and side view of the solid have been drawn as shown below. Shade the correct number of squares to complete each view.



26. In the figure below, $\triangle ADC$ is a triangle. $\triangle BDC$ is an isosceles triangle. Find $\angle DCB$.

Do not write
in this space



Ans: _____°

27. A mobile phone cost \$540. Nicholas bought it at a 25% discount. How much did he pay for the mobile phone?

Ans: \$ _____

28. The average mass of 3 bags is 45 kg. The mass of Bag A is 30 kg. Bag B is twice as heavy as Bag C. What is the mass of Bag C?

Do not write
in this space

Ans: _____ kg

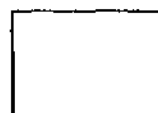
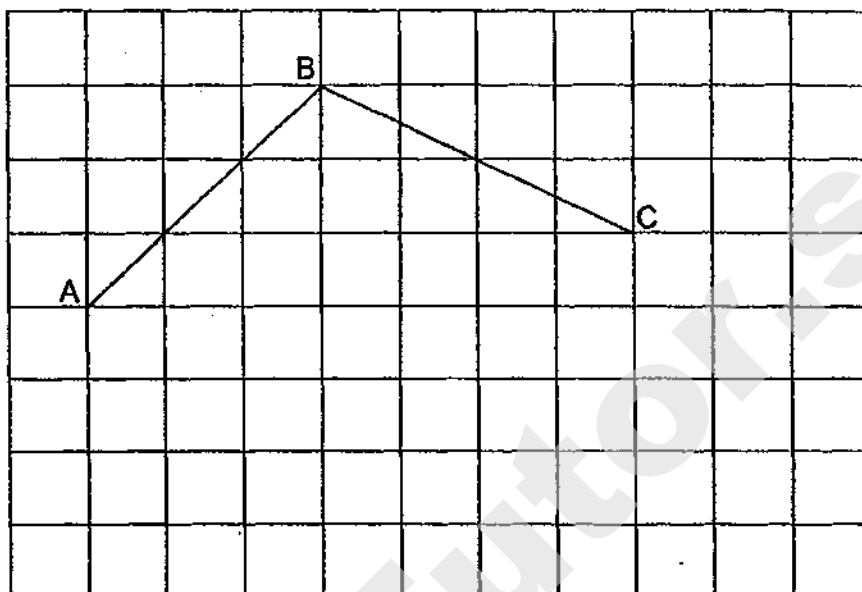
29. Rachel, Jolene and Eileen each brought an equal amount of money to a supermarket to buy groceries. Jolene spent \$25 more than Rachel and \$25 less than Eileen.

Statement (a) and (b) are either true, false or not possible to tell from the information given above. For statement (a) and (b), put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
(a) Jolene had more money left than Rachel.			
(b) Eileen had the least amount of money left.			

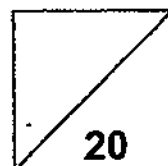
30. Complete the parallelogram ABCD with the given lines AB and BC.

Do not write
in this space



Total marks for questions 21 to 30

END OF BOOKLET B
END OF PAPER 1





CATHOLIC HIGH SCHOOL
END-OF-YEAR EXAMINATION (2019)
PRIMARY FIVE
MATHEMATICS
PAPER 2

Name : _____ ()

Class : Primary 5 _____

Date : 25 Oct 2019

Total Time: 1 h 30 min

17 questions

55 marks

Parent's Signature: _____

Paper 1 Booklet A	20
Paper 1 Booklet B	25
Paper 2	55
Total Marks	100

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of an approved calculator is expected, where appropriate.

SmileTutor.sg

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. (10 marks)

Do not write
in this space

1. Danny spent a total of \$148 on 7 movie tickets and 5 boxes of nachos. Each ticket cost \$14. How much did each box of nachos cost?

Ans: \$ _____

2. A washing machine cost \$950 before GST. What was the price of the washing machine including 7% GST?

Ans: \$ _____

3. Box A, B and C each contains different number of beads. The total number of beads in the 3 boxes is 320. Box A has 128 more beads than box B. Box C has 140 fewer beads than Box A. How many beads are there in Box C?

Do not write
in this space

Ans: _____

4. Simon is thrice as old as Amina now. In 7 years' time, their total age will be 78 years old. What is Amina's age now?

Ans: _____ years old

Mr. Tan had \$12 000 in his bank account. The bank paid 3.5% interest at the end of each year. How much money did he have at the end of 1 year?

Do not write
in this space

Ans: \$ _____

For questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question.
(45 marks)

Do not write
in this space

6. Jim had 128 marbles at first. He gave $\frac{1}{8}$ of the marbles to his friends and $\frac{1}{4}$ of the marbles to his neighbour. How many marbles did he have left?

Ans: _____ [3]

7. Amelia wanted to buy 15 water bottles but she found that she was short of \$92. She bought 8 water bottles and had \$6 left. How much money did Amelia have?

Do not write
in this space

Ans: _____ [3]



8. The total cost of 5 pens and 2 files is \$21.80. The total cost of 3 such pens and 6 such files is \$31.80. Find the cost of a pen.

Do not write
in this space

Ans: _____ [3]

9. A total of 38 children were at a party. At the party, each boy ate 7 chicken wings while each girl ate 5 chicken wings. The children ate a total of 256 chicken wings. How many boys were at the party?

Do not write
in this space

Ans: _____ [3]

10. ABCD is a rectangular piece of paper with a perimeter of 178 cm. AB is 65 cm and point X is the mid-point of AD. It is folded along the dotted line as shown in Figure 1. What is the area of the shaded triangle?

Do not write
in this space

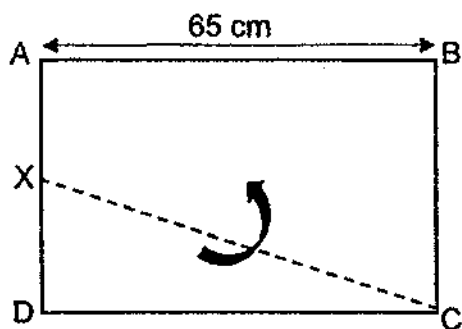
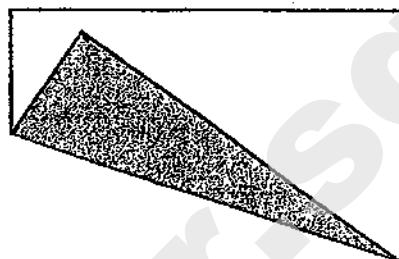


Figure 1

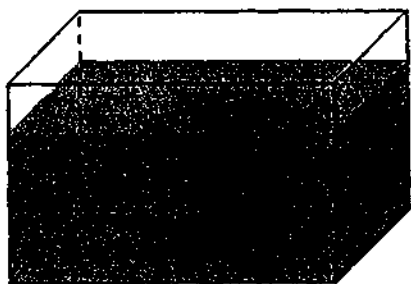


Ans: _____ [3]

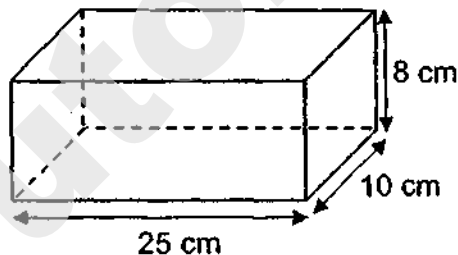


11. Tank B, measuring 25 cm by 10 cm by 8 cm, was empty at first. Tank A was $\frac{5}{6}$ filled with water. Some water in Tank A was poured into Tank B without any spillage and it filled up $\frac{3}{4}$ of Tank B. There was 2700 cm^3 of water left in Tank A.
- (a) How much water was poured into Tank B?
- (b) What was the capacity of Tank A? Leave your answer in litres.

Do not write
in this space



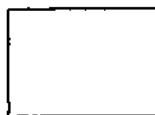
Tank A



Tank B

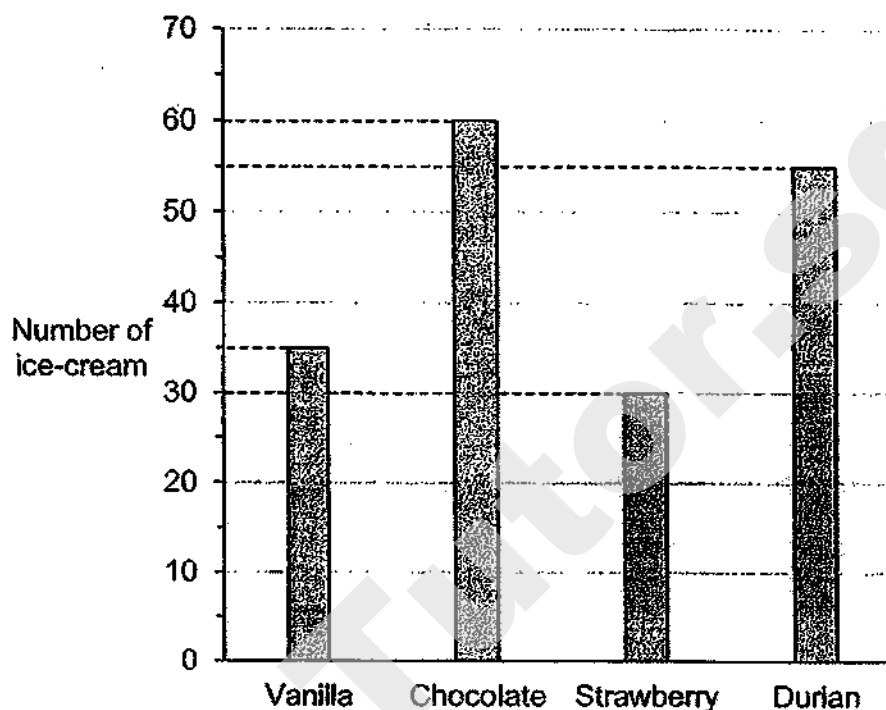
Ans: (a) _____ [2]

(b) _____ [2]



12. The graph below shows the number of ice-cream flavours sold at a shop in a day.

Do not write
in this space



- (a) What percentage of the ice-cream sold was durian ice-cream?
Give your answer correct to 1 decimal place.
- (b) The cost of each ice-cream was the same. The amount of money collected for vanilla ice-cream was \$15 more than the amount of money collected for strawberry ice-cream. What was the total amount of money collected from the sale of all the ice-cream?

Ans: (a) _____ [2]

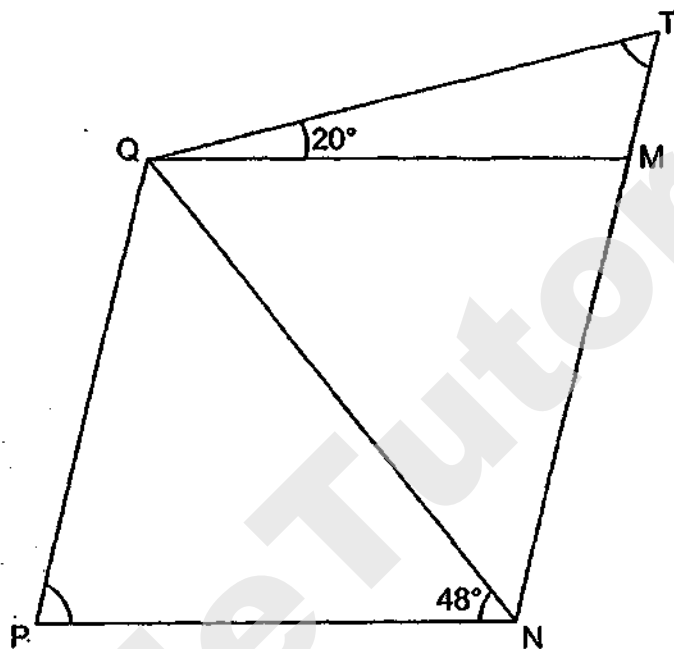
(b) _____ [2]



13. In the figure, QMNP is a rhombus and QMT is a triangle. NT is a straight line. $\angle QNP = 48^\circ$, $\angle MQT = 20^\circ$.

(a) Find $\angle QPN$.

(b) Find $\angle QTM$.



Do not write
in this space

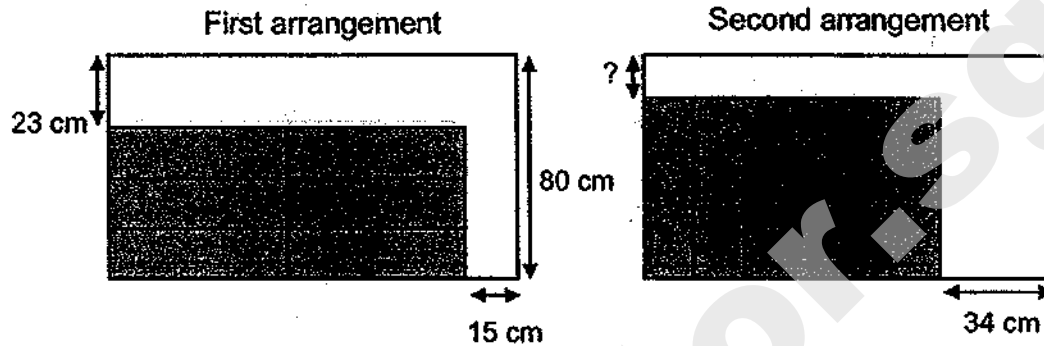
Ans: (a) _____ [2]

(b) _____ [2]



14. Six identical rectangular parcels are packed into a rectangular box with a width of 80 cm. The top view of two possible arrangements are shown below. The first arrangement shown leaves gaps of 23 cm and 15 cm. The second arrangement shown leaves a 34 cm gap. What is the length of the other gap in the second arrangement?

Do not write
in this space



Ans: _____ [5]



15. At a party, every girl was given 2 stickers and every boy was given 3 stickers. There were 5 times as many girls as boys. The children received a total of 390 stickers. How many more stickers were given to the girls than to the boys?

Do not write
in this space

Ans: _____ [4]

16. The following is made up of identical triangles.
Study the pattern carefully.

Do not write
in this space



Figure 1



Figure 2



Figure 3

Figure Number	Number of shaded triangles	Number of unshaded triangles	Total number of triangles
1	2	2	4
2	5	4	9
3	9	7	16
4			15

- (a) Complete the table for figure 4.

[2]

- (b) A figure number in the pattern has a total of 144 triangles.
What is the figure number?

Ans: (b)

[2]



17. In the morning, Jaffar sold some muffins at 4 for \$11. In the afternoon, he received \$600 from the sale of $\frac{5}{6}$ of the remaining muffins at \$2 each. In the end, he had $\frac{1}{8}$ of the total number of muffins left. How much money did Jaffar receive from the sale of the muffins in the morning?

Do not write
in this space

Ans: _____ [5]

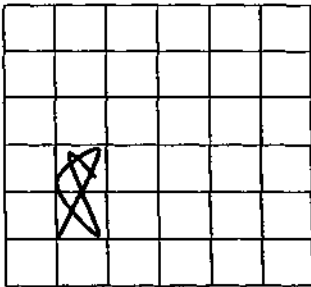
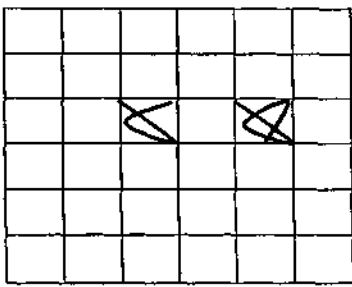
END OF PAPER 2

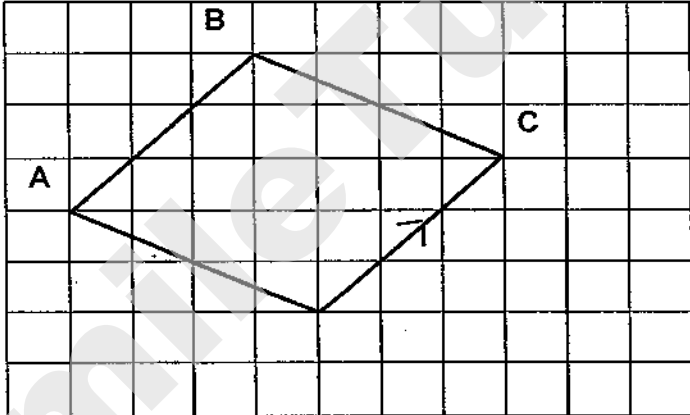
SCHOOL : CATHOLIC HIGH PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA2

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	4	1	3	2	3	2	4	3	1

Q 11	Q12	Q13	Q14	Q15
2	1	2	4	1

Q16)	39
Q17)	10.06
Q18)	$\frac{3}{20}$
Q19)	12 cm^3
Q20)	$2\frac{2}{7}$
Q21)	$\frac{4}{27} \text{ kg}$
Q22)	$6 : 7$
Q23)	$96 \div 2 = \$48$
Q24)	$7 \div 5 = \frac{5}{7}$ $\frac{5}{7} = 1\frac{2}{5}$
Q25)	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Top View</p> </div> <div style="text-align: center;">  <p>Side View</p> </div> </div>

Q26)	$180 - 85 - 65 = 30$ $180 - 30 = 150$ $180 - 150 = 30$ $30 \div 2 = 15^\circ$
Q27)	$100\% \rightarrow 540$ $5\% \rightarrow 27$ $75\% \rightarrow 27 \times 15 = \405
Q28)	$45 \times 3 = 135$ $135 - 30 = 105$ $105 \div 3 = 35 \text{ kg}$
Q29)	a)False b)True
Q30)	

PAPER 2

Q1)	$14 \times 7 = 98$ $148 - 98 = 50$ $50 \div 5 = 10$
Q2)	$100\% \rightarrow 950$ $1\% \rightarrow 9.50$ $107\% \rightarrow \$1016.50$
Q3)	$320 - 128 - 12 - 12 = 168$ $168 \div 3 = 56$
Q4)	$64 \div 4 = 16 \text{ years old}$

Q5)	$103.5\% \times 12000 = \$12420$
Q6)	$128 \div 8 = 16$ $16 \times 5 = 80$
Q7)	$15u - 8u = 7u$ $92 + 6 = 98$ $98 \div 7 = 14$ $14 \times 8 = 112$ $112 + 6 = \$118$
Q8)	$\begin{array}{r} \text{X3} \left\{ \begin{array}{l} 5p + 2F = 21.80 \\ 15p + 6F = 65.40 \\ 3p + 6F = 31.80 \\ \hline 12P = 33.60 \\ 1P = 33.60 \div 12 = \$2.80 \end{array} \right. \end{array}$
Q9)	$5 \times 38 = 190$ $256 - 190 = 66$ $66 \div 2 = 33$
Q10)	$178 - 65 - 65 = 48$ $48 \div 2 = 24$ $24 \div 2 = 12$ $\frac{1}{2} \times 65 \times 12 = 390 \text{ cm}^2$
Q11)	a) $\frac{3}{4} \times 8 = 6$ $6 \times 10 \times 25 = 1500 \text{ cm}^3$ b) $2700 + 1500 = 4200$ $4200 \div 5 = 840$ $840 \times 6 = 5040$ $5040 \text{ cm}^3 = 5040 \text{ ml}$ $= 5.04 \text{ L}$
Q12)	a) $\frac{55}{185} \times 100 = 30.6\%$ b) $35 - 30 = 5$ $15 \div 5 = 3$ $3 \times 180 = \$5.40$

Q13)	$a) 48^\circ \times 2 = 96^\circ$ $360^\circ - 96^\circ - 96^\circ = 168^\circ$ $168^\circ \div 2 = 84^\circ$ $b) 180 - 84 = 96$ $180 - 96 - 20 = 64^\circ$
Q14)	$80 - 23 = 57$ $57 \div 3 = 19$ $19 \times 6 = 114$ $114 + 34 = 148$ $148 - 15 = 133$ $133 \div 2 = 66.5$ $80 - 66.5 = 13.5 \text{ cm}$
Q15)	$3 + (2 \times 5) = 13$ $390 \div 13 = 30$ $30 \times 5 = 150$ $150 + 30 = 180$
Q16)	$a) 14 / 11$ $b) 12 - 1 = 11$
Q17)	$120 \div 2 = 60$ $60 \times 8 = 480$ $480 - 360 = 120$ $120 \div 4 = 30$ $30 \times 11 = 330$



**HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 5**

**PAPER 1
(BOOKLET A)**

Name: _____ ()

Parent's Signature

Class: Primary 5 _____

Marks:

Paper 1	Booklet A	20
	Booklet B	25
Paper 2		55
Total		100

Total Time for Booklets A and B: 1 hour

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

You are **not** allowed to use a calculator.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer in the Optical Answer Sheet.

(20 marks)

1 What is the value of the digit 6 in 2.056?

- (1) 6 ones
- (2) 6 tenths
- (3) 6 hundredths
- (4) 6 thousandths

2 Round 30 164 to the nearest hundred.

- (1) 30 000
- (2) 30 100
- (3) 30 160
- (4) 30 200

3 How many quarters are there in $4\frac{1}{2}$?

- (1) 8
- (2) 9
- (3) 17
- (4) 18

4 Express $\frac{2}{5}$ hour in minutes.

- (1) 12 min
- (2) 20 min
- (3) 24 min
- (4) 40 min

5 Arrange these numbers from the smallest to the greatest.

0.14	0.104,	0.4
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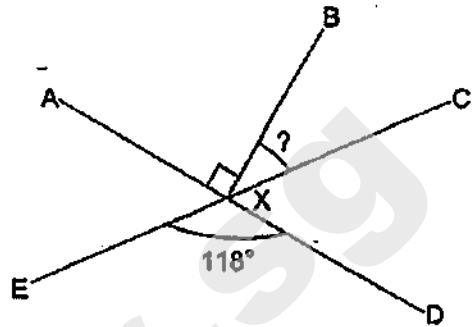
	<u>Smallest</u>		<u>Greatest</u>
(1)	0.104,	0.4,	0.14
(2)	0.4,	0.14,	0.104
(3)	0.104,	0.14,	0.4
(4)	0.14,	0.4,	0.104

6 Find the value of $54 - 30 + 3 \times 4$

- (1) 14
- (2) 2
- (3) 32
- (4) 176

- 7 In the figure, AXD and CXE are straight lines.
Given that $\angle EXD = 118^\circ$, find $\angle BXC$.

- (1) 28°
- (2) 62°
- (3) 76°
- (4) 152°



- 8 A square has an area of 100 cm^2 . Find the perimeter of the square.

- (1) 10 cm
- (2) 25 cm
- (3) 40 cm
- (4) 50 cm

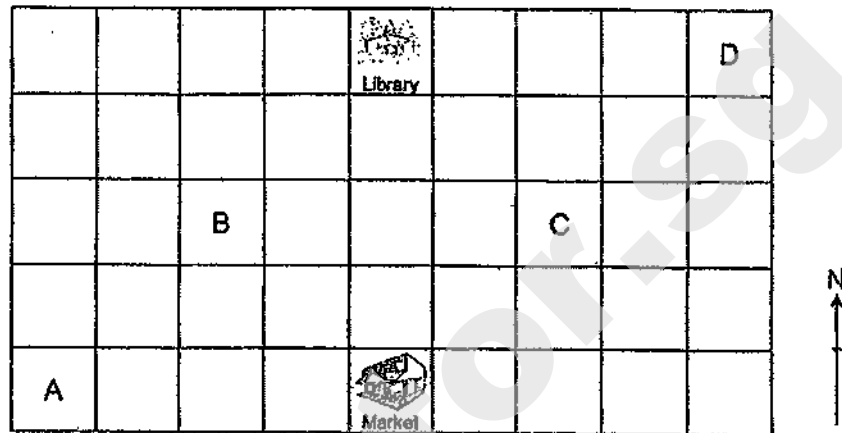
- 9 The charges for renting a car are shown below.

Monday – Friday:	\$45 per day
Saturday – Sunday:	\$60 per day

Mr Manoj rented a car from Tuesday to Sunday. How much did he pay?

- (1) \$180
- (2) \$270
- (3) \$285
- (4) \$300

- 10 The square grid below shows the locations of the library and the market in a town.



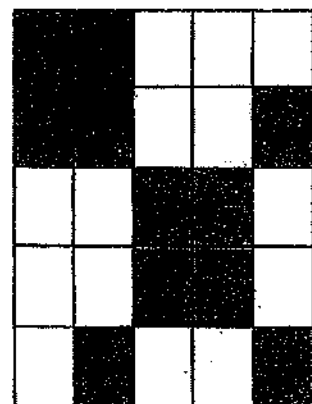
A new shopping mall will be built at a location South-West of the library and North-West of the market.

At which of the following locations, A, B, C or D, will the new shopping mall be built?

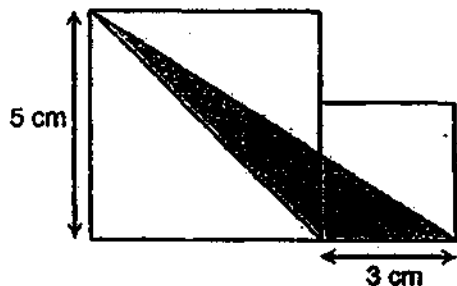
- (1) A
- (2) B
- (3) C
- (4) D

- 11 What percentage of the figure is shaded?

- (1) 11%
- (2) 25%
- (3) 44%
- (4) 55%

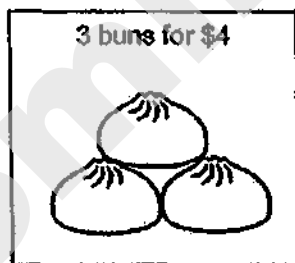


- 12 The figure below is made up of 2 squares of sides 5 cm and 3 cm. Find the area of the shaded parts.



- (1) 7.5 cm²
- (2) 12.5 cm²
- (3) 15 cm²
- (4) 25 cm²

- 13 Kelly bought 24 buns. How much did she pay for the buns?



- (1) \$6
- (2) \$8
- (3) \$18
- (4) \$32

- 14 Sanjay had a box containing some fruits. $\frac{3}{5}$ of the fruits were apples.
 $\frac{1}{4}$ of the apples were red and the remaining apples were green.
What fraction of the fruits in the box were green apples?

- (1) $\frac{3}{4}$
(2) $\frac{3}{20}$
(3) $\frac{7}{20}$
(4) $\frac{9}{20}$

- 15 Jenny had 12 more stickers than Elly at first.
Jenny gave 48 of her stickers to Elly.
In the end, Elly had 4 times as many stickers as Jenny.
How many stickers did Jenny have in the end?

- (1) 12
(2) 15
(3) 21
(4) 28

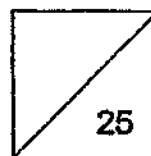


**HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 5**

**PAPER 1
(BOOKLET B)**

Name: _____ ()

Class: Primary 5 _____



Total Time for Booklets A and B: 1 hour

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

You are not allowed to use a calculator.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

(5 marks)

Do not write
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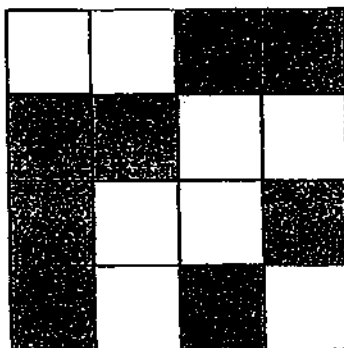
- 16 Write nine hundred and five thousand and forty-two in numerals.

Ans: _____

- 17 Express $7\frac{9}{25}$ as a decimal.

Ans: _____

- 18 Shade one more square so that the figure becomes symmetrical.



- 19 Ms Lee left the market at 11.20 a.m. She was at the market for 1 h 25 min.
What time did she arrive at the market?

Do not write
in this space

Ans: _____ a.m.

- 20 How much did Clive pay for the pair of shoes after the discount?



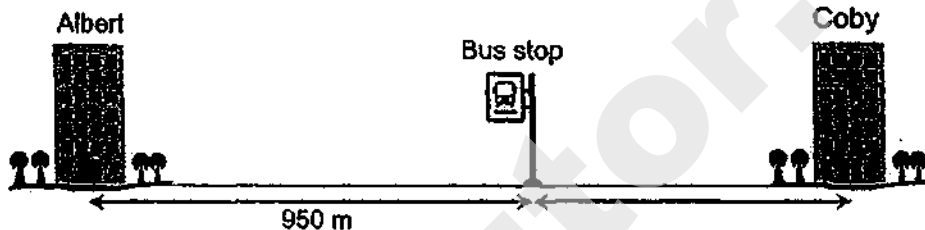
Ans: \$ _____

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write
in this space

(20 marks)

- 21 The distance between Albert's house and Coby's house is 1.6 km. Albert's house is 950 m away from the bus stop. What is the distance (in km) between Coby's house and the bus stop?



Ans: _____ km

- 22 Mr Kim had some black pens and 91 green pens. After he gave away 27 black pens and 42 green pens, he had 309 pens left. How many black pens did he have at first?

Ans: _____

- 23 1 kg of flour was packed equally into 7 jars. What is the total mass of flour (in kg) in 3 such jars?

Do not write
in this space

Ans: _____ kg

- 24 In a company, there were a total of 1134 Chinese, Malay and Indian workers in the ratio 5 : 3 : 1. How many Chinese workers were there in the company?

Ans: _____

- 25 A class of students were asked to choose a favourite colour each. 20% of the students chose blue. $\frac{1}{3}$ of the students chose pink and the rest chose green. What fraction of the class of students chose green?

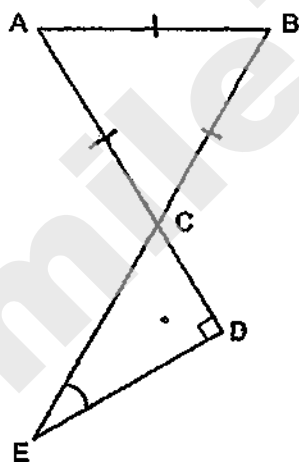
Ans: _____

- 26 Zayn had \$400. He spent \$74 and saved the rest. What percentage of his money he save?

Do not write
in this space

Ans: _____ %

- 27 In the figure, ACD and BCE are straight lines. ABC is an equilateral triangle and CDE is a right-angled triangle. Find $\angle CED$.



Ans: _____ °

28

The table below shows the scores of 4 students in a game. Given that the average score of each student is 35, find Devi's score.

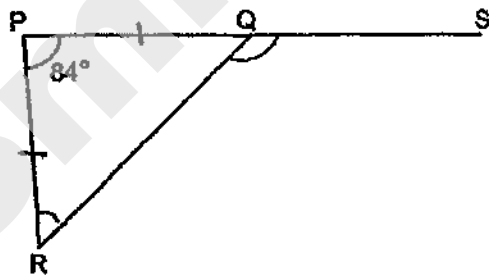
Do not write
in this space

Name	Score
Ahmad	42
Betty	25
Cathy	33
Devi	?

Ans: _____

29

In the figure, PQR is an isosceles triangle where $PQ = PR$. Given that PQS is a straight line, find $\angle RQS$.

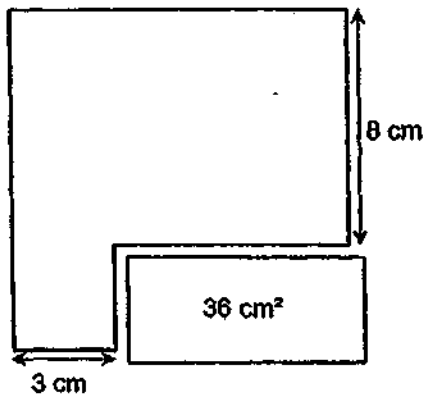


Ans: _____°

30

Jack had a square piece of paper. He cut out a rectangle from the square piece of paper as shown below. The area of the rectangle is 36 cm^2 . What was the area of the square piece of paper before it was cut?

Do not write
in this space



Ans: _____ cm^2



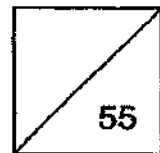


**HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 6**

PAPER 2

Name: _____ ()

Class: Primary 5 _____



Time for Paper 2: 1 h 30 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Show your working clearly as marks are awarded for correct working.

Write your answers in this booklet.

You are allowed to use a calculator.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write
in this space

(10 marks)

- 1 Mr Gan deposits \$5975 in a bank for one year.
The interest rate is 1.4% per year. What is the total amount of money
Mr Gan will have in the bank at the end of one year?

Ans: \$ _____

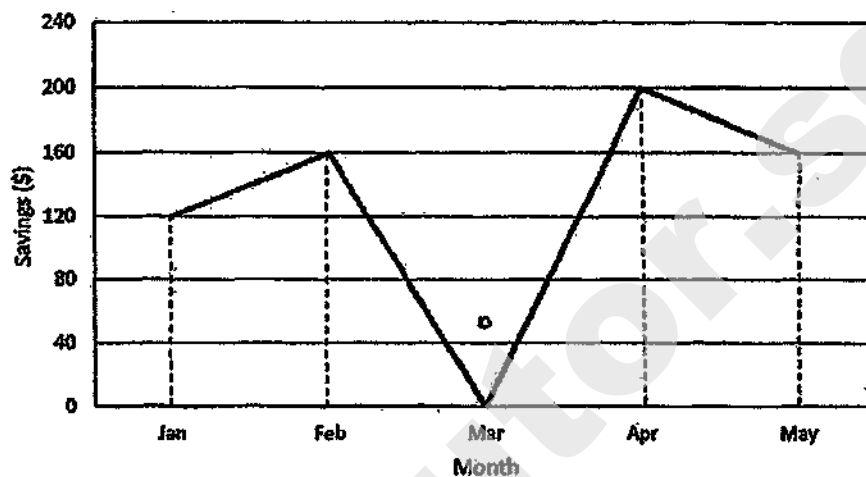
- 2 Mdm Wee paid \$154.95 for 3 pairs of similar pants and 7 similar blouses.
Each pair of pants cost \$4.65 more than each blouse.
How much did each pair of pants cost?

Ans: \$ _____

3

The line graph below shows the amount of money Joshua saved in each month from January to May.

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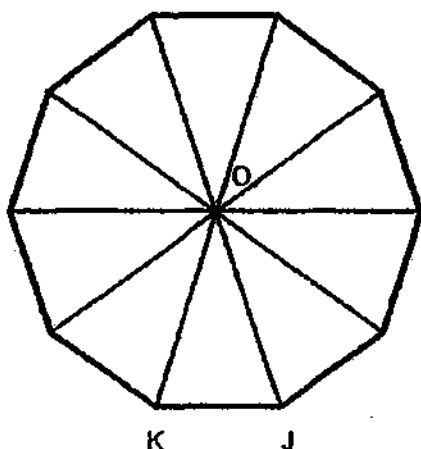


What was the average amount of money he saved in each month from January to May?

Ans: \$ _____

The figure is made up of ten identical isosceles triangles. O is the centre of the figure. Find $\angle OJK$.

Do not write
in this space



Ans: _____

A machine started printing posters at 8.00 a.m. at the rate of 1750 posters per hour. After every 3 hours of printing, it was stopped for an hour. How many posters were printed in total by 5 p.m. on the same day?

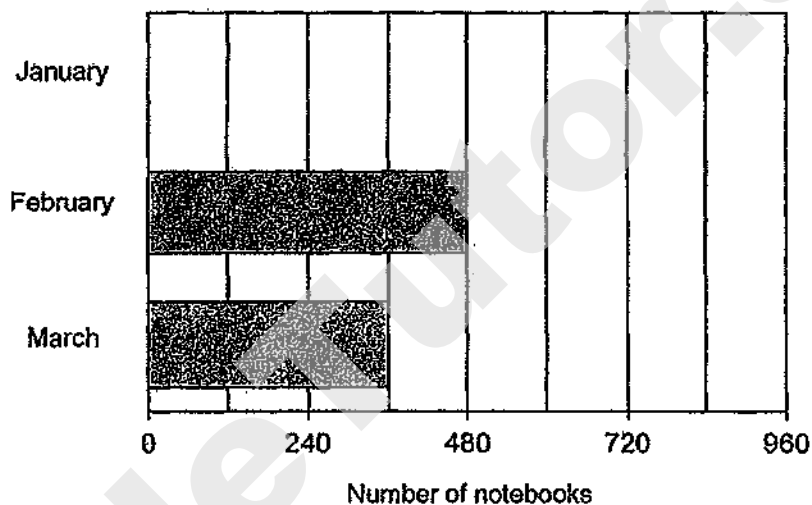
Ans: _____

For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets [] at the end of each question or part-question.

Do not write
in this space

(45 marks)

- 6 The bar graph shows the number of notebooks sold in 3 months.
The bar that shows the number of notebooks in January is not drawn.

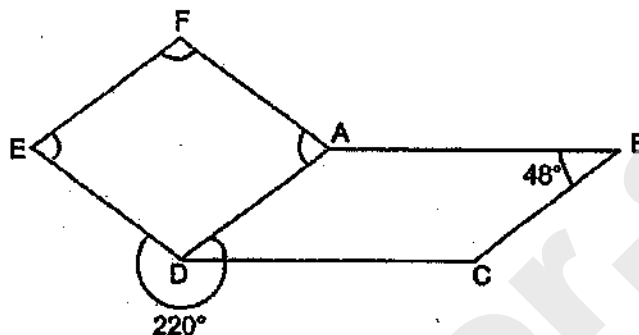


$\frac{3}{8}$ of the total number of notebooks sold in the 3 months were sold in January. How many notebooks were sold in January?

Ans: _____ [3]

- 7 In the figure, ABCD is a parallelogram and ADEF is a rhombus. Find $\angle DAF$.

Do not write
in this space



Ans: _____ [3]

- 8 Mrs Ramesh paid \$172.85 for a vase and 20 stalks of roses.
Mrs Tan paid \$457.85 for a similar vase and 58 stalks of roses.
What was the cost of one such vase?

Ans: _____ [3]

- 9

Mrs Ang baked 164 more muffins than cupcakes.

After selling $\frac{3}{4}$ of the muffins and half of the cupcakes, she had a total of 344 muffins and cupcakes left.

How many muffins and cupcakes did Mrs Ang bake altogether?

Do not write
in this space

Ans: _____ [3]

2

- 10 The table below shows how much a shop charges a customer for renting a pair of rollerblades.

Do not write
in this space

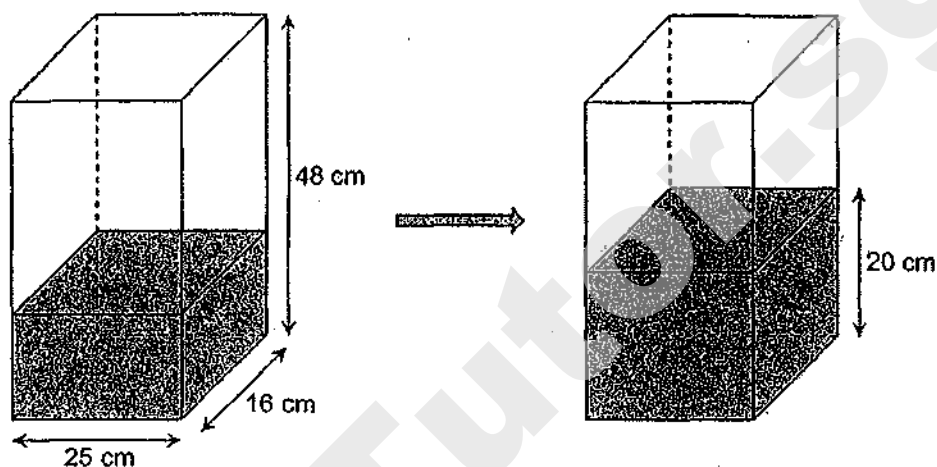
First hour	\$8.50
Every additional $\frac{1}{2}$ hour	\$3.50

Ms Chan paid \$26 for renting a pair of rollerblades starting from 09 00.
What would be the latest time she must return the pair of rollerblades to the shop?

Ans: _____ [3]

- 11 A container measuring 25 cm by 16 cm by 48 cm was $\frac{1}{3}$ -filled with water at first. James poured some water into the container. In the end, the height of the water level in the container was 20 cm as shown below.

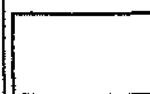
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- (a) How much water did James pour into the container?
- (b) James then poured all the water in the container into several identical jugs. Given that each jug can hold at most 1.25 l of water, what is the least number of jugs he would need?

Ans: (a) _____ [2]

(b) _____ [2]



- 12 There were 525 students gathering at a hall for a concert. 52% of the students were boys. At the end of the concert, 45 boys left the hall. What percentage of the remaining students were girls?

Do not write
in this space

Ans: _____ [3]

- 13 The rectangular piece of wood shown in Figure 1 has a perimeter of 68 cm. Mdm Fatimah arranged 4 such rectangular pieces of wood to form a figure as shown in Figure 2.

Do not write
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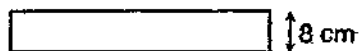


Figure 1

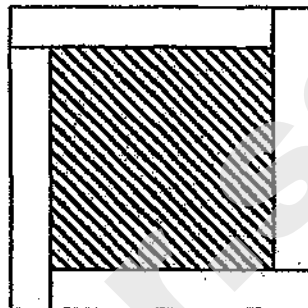


Figure 2

- (a) Find the length of the rectangular piece of wood.
(b) Find the shaded area in Figure 2.

Ans: (a) _____ [2]

(b) _____ [3]



- 14 The table shows the prices of different types of files sold in a shop.

Do not write
in this space

Type of file	Price of each file
Clear	\$1.20
Box	\$2.30
Ring	\$1.80

Rina bought some clear files, box files and ring files from the shop in the ratio 1 : 3 : 2. She spent a total of \$81.90. How many files did Rina buy altogether?

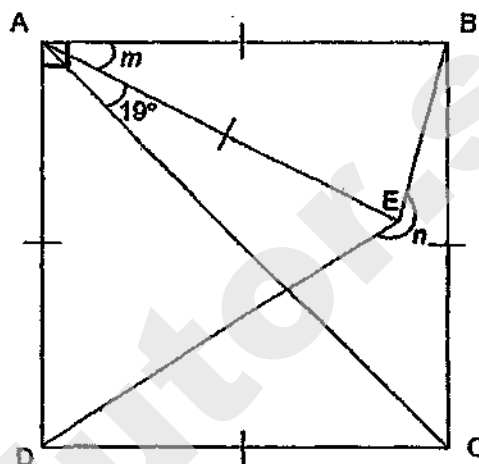
Ans: _____ [4]

- 15 In the figure, ABCD is a square. $AE = AB$ and $\angle CAE = 19^\circ$.

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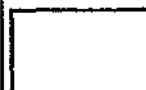
(a) Find $\angle m$.

(b) Find $\angle n$.



Ans: (a) _____ [1]

(b) _____ [3]



- 16 Jacob spent $\frac{2}{5}$ of his money on 7 sandwiches and 27 curry puffs for a party. The cost of each sandwich is 3 times the cost of each curry puff. He bought some more sandwiches with $\frac{5}{6}$ of his remaining money.

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in this space

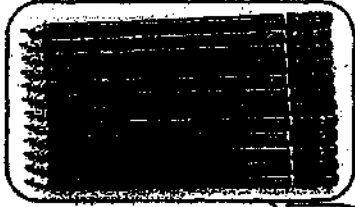

- (a) How many curry puffs could be bought with the same amount of money paid for 7 sandwiches?
- (b) How many sandwiches did Jacob buy altogether?

Ans: (a) _____ [1]

(b) _____ [4]

- 17 Collin and Debbie bought pencils and erasers at the prices shown below.

Do not write
in this space

<p>\$4.90 per box of 12 pencils</p>  <p>\$4.90</p>	<p>\$1.40 per pack of 3 erasers</p>  <p>\$1.40</p>
---	--

- (a) Collin bought an equal number of pencils and erasers. He spent a total of \$84. How many pencils and erasers did he buy altogether?
- (b) Debbie spent an equal amount of money on pencils and erasers. What is the least possible number of erasers and pencils that she could have bought in total?

Ans: (a) _____ [3]

(b) _____ [2]

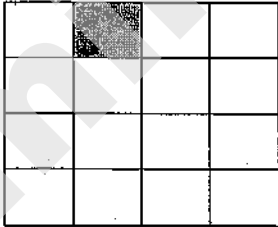
SCHOOL : HENRY PARK PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA2

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	4	4	3	3	1	1	3	4	2

Q 11	Q12	Q13	Q14	Q15
3	1	4	4	4

PAPER 1 BOOKLET B

Q16)	905042
Q17)	7.36
Q18)	
Q19)	9.55 a.m
Q20)	$\frac{75}{100} \times 200 = \150
Q21)	$1.6km = 1600m$ $1600 - 950 = 650 = 0.650km$
Q22)	$309 + 27 + 42 = 378$ $378 - 91 = 287$
Q23)	$\frac{1}{7} \times 3 = \frac{3}{7}kg$
Q24)	$5 + 3 + 1 = 9$ $1134 \div 9 = 126$ $126 \times 5 = 630$

Q25)	$\frac{1}{3} = \frac{100}{300}$ $\frac{20}{100} = \frac{60}{300}$ $1 - \frac{100}{300} - \frac{60}{300} = \frac{140}{300} = \frac{7}{15}$
Q26)	$400 - 74 = 326$ $\frac{74}{400} = \frac{37}{200} = \frac{18.5}{100}$ $1 - \frac{18.5}{100} = \frac{81.5}{100}$ Ans : 81.5%
Q27)	$180^\circ - 60^\circ - 90^\circ = 30^\circ$
Q28)	$35 \times 4 = 140$ $140 - 42 - 25 - 33 = 40$
Q29)	$180^\circ - 84^\circ = 96^\circ$ $96^\circ \div 2 = 48^\circ$ $180^\circ - 48^\circ = 132^\circ$
Q30)	$4 \times 9 = 36$ $4 + 8 = 12$ $3 + 9 = 12$ $12 \times 12 = 144\text{cm}^2$

PAPER 2

Q1)	$\frac{14}{100} \times 5975 = 83.65$ $5975 + 83.65 = \$6058.65$
Q2)	$154.95 - 4.65 - 4.65 - 4.65 = 141$ $3 + 7 = 10$ $141 \div 10 = 14.1$ $14.1 + 4.65 = \$18.75$
Q3)	$120 + 160 + 200 + 160 = 640$ $640 \div 5 = \$128$
Q4)	$\angle OJK \rightarrow 360^\circ \div 10 = 36^\circ$ $180^\circ - 36^\circ = 144^\circ$ $144^\circ \div 2 = 72^\circ$
Q5)	<p>8.00 a.m 12.00 p.m 5.00 p.m</p> <p>┌──────────────────┴──────────────────┐</p> <p>3h printing 1h stopped 3h printing 1h stopped 1h printing</p> $1750 \times 3 = 5250$ $1750 \times 4 = 7000$ $5250 + 7000 = 12250$
Q6)	$480 + 360 = 840$ $1 - \frac{3}{8} = \frac{5}{8}$ $840 \div 5 = 168$ $168 \times 3 = 504$

Q7)	$\angle DAF \rightarrow 180^\circ - 48^\circ = 132^\circ$ $180^\circ - 132^\circ = 48^\circ$ $360^\circ - 48^\circ - 220^\circ = 92^\circ$ $360^\circ - 92^\circ - 92^\circ = 176^\circ$ $176^\circ \div 2 = 88^\circ$
Q8)	$58 - 20 = 38$ $457.85 - 172.85 = 285$ $285 \div 38 = 7.5$ $20 \times 7.5 = 150$ $172.85 - 150 = \$22.85$
Q9)	<p>Assume the number of cupcakes is 4units</p> $\frac{1}{2} \times 4\text{units} = 2\text{units}$ <p>Cupcakes left $\rightarrow 2\text{units}$</p> $1 - \frac{3}{4} = \frac{1}{4}$ $\frac{1}{4} \times (4\text{units} + 164) = 1\text{unit} + 41$ <p>Muffins left $\rightarrow 1\text{unit} + 41$</p> $1\text{unit} + 2\text{units} + 41 = 344$ $3\text{units} = 344 - 41 = 303$ $1\text{unit} = 303 \div 3 = 101$ $4\text{units} + 4\text{units} = 8\text{units}$ $8 \times 101 = 808$ $808 + 164 = 972$
Q10)	$26 - 8.50 = 17.5$ $17.5 \div 3.5 = 5$ <p>Ans : 12.30 p.m</p>
Q11)	<p>a) $48 \times 16 \times 25 = 19200$</p> $\frac{1}{3} \times 19200 = 6400$ $20 \times 16 \times 25 = 8000$ $8000 - 6400 = 1600\text{cm}^3 = 1600\text{ml}$ <p>b) $8000\text{ml} = 8\text{l}$</p> $8 \div 1.25 = 6\text{R}0.5$ $6 + 1 = 7$
Q12)	$\frac{52}{100} \times 525 = 273$ $525 - 273 = 252$ $525 - 45 = 480$ $\frac{252}{480} = \frac{52.5}{100} = 52.5\%$
Q13)	<p>a) $68 - 8 - 8 = 52$</p> $52 \div 2 = 26\text{cm}$ <p>b) $26 - 8 = 18$</p> $18 \times 18 = 324\text{cm}^2$

Q14)	$1 \times 1.20 = 1.20$ $3 \times 2.30 = 6.90$ $2 \times 1.80 = 3.60$ $1.20 + 6.90 + 3.60 = 11.70$ $81.90 \div 11.70 = 7$ $1 \times 7 = 7$ $3 \times 7 = 21$ $2 \times 7 = 14$ $7 + 21 + 14 = 42$
Q15)	$a) < m \rightarrow 90^\circ \div 2 = 45^\circ$ $45^\circ - 19^\circ = 26^\circ$ $b) < n \rightarrow 180^\circ - 26^\circ = 154^\circ$ $154^\circ \div 2 = 77^\circ$ $19^\circ + 45^\circ = 64^\circ$ $180^\circ - 64^\circ = 116^\circ$ $116^\circ \div 2 = 58^\circ$ $360^\circ - 77^\circ - 58^\circ = 225^\circ$
Q16)	$a) 3 \times 7 = 21$ $b) 1 - \frac{2}{5} = \frac{3}{5}$ $\frac{5}{6} \times \frac{3}{5} = \frac{1}{2}$ $\frac{2}{5} = \frac{4}{10}$ $\frac{1}{2} = \frac{5}{10}$ $27 \div 3 = 9$ $9 + 7 = 16$ $16 \div 4 = 4$ $\frac{1}{10} \rightarrow 4 \text{ sandwiches}$ $5 \times 4 = 20$ $20 + 7 = 27$
Q17)	$a) 12 \div 3 = 4$ $4 \times 1.40 = 5.60$ $5.60 + 4.90 = 10.50$ $84 \div 10.5 = 8$ $8 \times 12 = 96$ $96 + 96 = 192$ $b) 4.90 \times 2 = 9.80$ $9.80 \div 1.40 = 7$ $7 \times 3 = 21$ $12 \times 2 = 24$ $24 + 21 = 45$

19

METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2019 PRIMARY 5 MATHEMATICS

PAPER 1 BOOKLET A

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

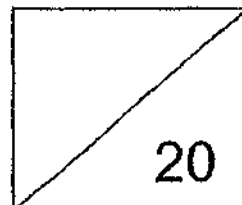
Shade your answers in the Optical Answer Sheet (OAS) provided.

The use of calculators is **NOT** allowed.

Name: _____ ()

Class: Primary 5. _____

Date: 24 October 2019



This booklet consists of 7 printed pages including this page.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the
Optical Answer Sheet. (20 marks)

1 Find the value of $36 - 3 \times 9 + 12 \div 3$.

- (1) 7
- (2) 13
- (3) 103
- (4) 231

2 What is the missing number in the box?

$$5\,714\,302 = 5\,000\,000 + \boxed{} + 10\,000 + 4000 + 300 + 2$$

- (1) 700
- (2) 7000
- (3) 70 000
- (4) 700 000

3 Find the value of $1\frac{2}{3} - \frac{3}{4}$.

- (1) $\frac{2}{7}$
- (2) $\frac{11}{12}$
- (3) $1\frac{1}{12}$
- (4) $2\frac{5}{12}$

4 Express $\frac{5}{8}$ as a decimal. Round your answer to 2 decimal places.

- (1) 0.60
- (2) 0.62
- (3) 0.63
- (4) 1.60

5 Express 3 km 50 m in kilometres.

- (1) 0.35 km
- (2) 3.05 km
- (3) 3.50 km
- (4) 3.005 km

6 Express 0.64 as a percentage.

- (1) 0.64%
- (2) 6.4%
- (3) 64%
- (4) 640%

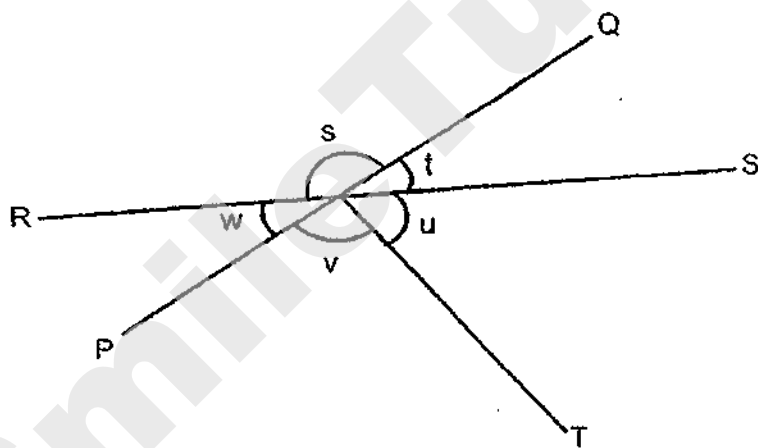
7 Peter bought a printer which cost \$500 before GST. He had to pay an additional 7% GST. How much was the GST?

- (1) \$7
- (2) \$35
- (3) \$350
- (4) \$535

- 8 There are 42 beads. 24 of the beads are red and the rest are blue. What is the ratio of the number of red beads to the number of blue beads?

- (1) 3 : 4
- (2) 3 : 7
- (3) 4 : 3
- (4) 4 : 7

- 9 In the figure below, PQ and RS are straight lines. Which of the following about the figure is false?



- (1) $\angle w = \angle t$
- (2) $\angle s = \angle v$
- (3) $\angle v + \angle u = \angle s$
- (4) $\angle s + \angle t = 180^\circ$

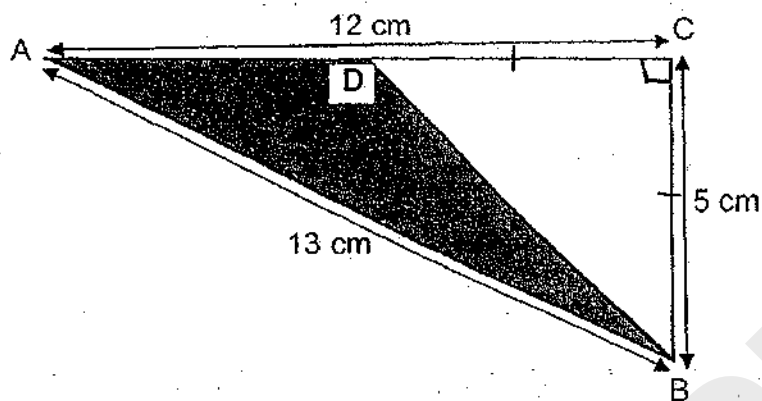
- 10** The number of muffins sold in Starlight Cafe last year, when rounded to the nearest ten thousand, is 320 000. Which of the following is most likely to be the number of muffins sold?

- (1) 310 964
- (2) 314 798
- (3) 323 584
- (4) 326 789

- 11** A rectangular tank measures 20 cm by 15 cm by 5 cm. It is $\frac{3}{5}$ -filled with water. What is the volume of the water in the tank?

- (1) 300 cm³
- (2) 600 cm³
- (3) 900 cm³
- (4) 1500 cm³

- 12 In the figure below, $BC = CD$ and ADC is a straight line. Find the area of triangle ABD .

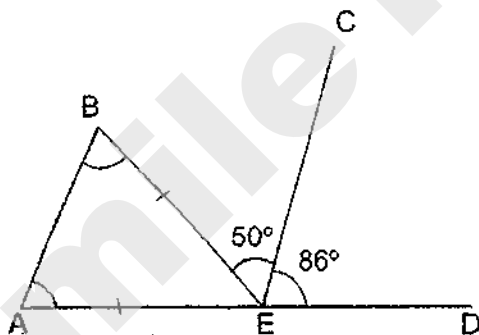


- (1) 12.5 cm^2
- (2) 17.5 cm^2
- (3) 30.0 cm^2
- (4) 32.5 cm^2
- 13 Mary received \$200. She spent $\frac{4}{5}$ of it over 5 days. She spent the same amount of money each day. How much did she spend each day?
- (1) \$32
- (2) \$40
- (3) \$80
- (4) \$160

- 14 A shop had 104 mobile phones for sale. It sold 32 of them in the morning and $\frac{5}{8}$ of the remainder in the afternoon. How many mobile phones were not sold?

- (1) 27
- (2) 39
- (3) 45
- (4) 64

- 15 In the figure below, ABE is an isosceles triangle, $\angle BEC = 50^\circ$ and $\angle CED = 86^\circ$. AED is a straight line. Find $\angle ABE$.



- (1) 22°
- (2) 44°
- (3) 50°
- (4) 68°

METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2019 PRIMARY 5 MATHEMATICS

PAPER 1 BOOKLET B

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of calculators is **NOT** allowed.

Name: _____ ()

Class: Primary 5. _____

Date: 24 October 2019

Paper 1 Booklet A	/ 20
Paper 1 Booklet B	/ 25
Paper 2	/ 55
TOTAL	/ 100

Parent's Signature: _____

This booklet consists of 8 printed pages including this page.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write
in this space

16 Round 79 509 to the nearest thousand.

Ans: _____

17 $438 \times 6 = 238 \times 6 + \square \times 6$

Ans: _____

18 What is 60 kg 2 g in grams?

Ans: _____ g

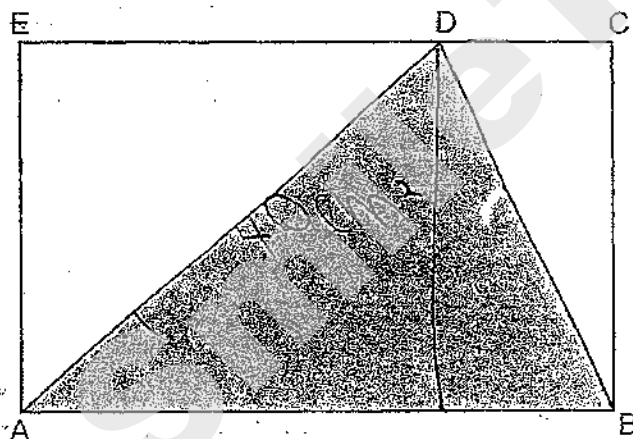
- 19 A baker sold 540 tarts. 35% of them were peach tarts and the rest were strawberry tarts. How many strawberry tarts did the baker sell?

Do not write
in this space

Ans: _____



- 20 ABCE is a rectangle and ABD is a triangle.
The area of rectangle ABCE is 40 cm^2 .
What is the area of triangle ABD?



Ans: _____ cm^2



Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

Do not write
in this space

- 21 After spending $\frac{3}{10}$ of his money on a computer game, Dylan had \$84 left. How much did the game cost?

Ans: \$ _____

☐

- 22 Joseph saved \$5000 in a bank. The interest rate is 3% per year. How much interest did he receive at the end of one year?

Ans: \$ _____

☐

- 23 There are 40 pupils in a class. 15 pupils are in the Art Club, 17 pupils are in the Science Club and the remaining pupils are in the Dance Club. What percentage of the pupils are in the Dance Club?

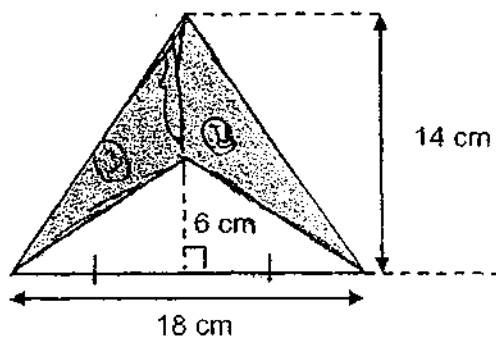
Do not write
in this space

Ans: _____ %

- 24 The ratio of the amount of money that Niki had to the amount of money that Ryan had was 3 : 5. Ryan had \$75. How much did Niki have?

Ans: \$ _____

- 25 Find the area of the shaded part in the figure shown below.



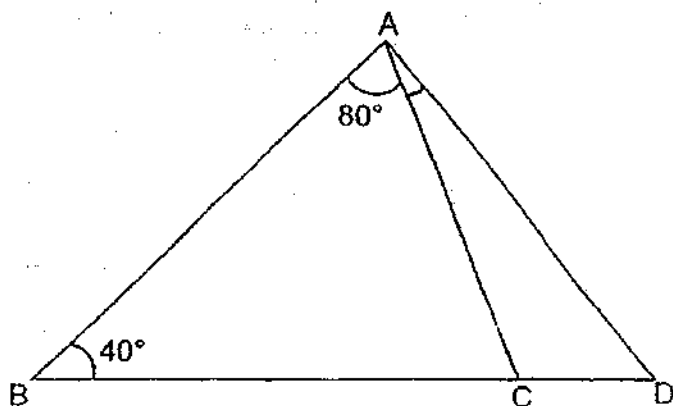
Ans: _____ cm^2

Do not write
in this space

- 26 The average height of 5 boys was 1.42 m. One of the boys, whose height was 1.3 m, left the group.
What was the average height of the remaining boys?

Ans: _____ m

- 27 $\angle ACB$ is three times the size of $\angle CAD$. Find $\angle CAD$.



Ans: _____

Do not write
in this space



- 28 The following table shows the time taken by 4 participants to complete the Math Olympiad test in a competition. Some of the recorded data are covered by an ink patch.

Name	Time taken in minutes (to the nearest whole number)
Anna	6
Beth	8
Carine	9
Lai Quan	86

The average time taken by the 4 participants was 82 minutes.

Carine took 39 min more than Anna. What was the time taken by Beth to complete the test?

Ans: _____



Do not write
in this space

- 29 A baker used 0.12 kg of sugar to bake a butter cake. He used 3 times as much sugar to bake a chocolate cake. How much sugar is needed for 5 chocolate cakes?

Ans: _____ kg

- 30 A rectangular tank measuring 60 cm by 50 cm by 15 cm was empty at first. Water flowed from a tap into the tank at a rate of 5ℓ per min. How long would it take to fill the tank completely?

Ans: _____ min

METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2019 PRIMARY 5 MATHEMATICS

PAPER 2

Duration: 1h 30 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

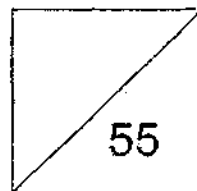
Write your answers in this booklet.

The use of an approved calculator is expected, where appropriate.

Name: _____ ()

Class: Primary 5. _____

Date: 24 October 2019



Parent's Signature: _____

This booklet consists of 15 printed pages including this page.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write
in this
space

1. Norman spent \$6499 on a television and a dining set. The television cost \$199 more than the dining set. How much did the dining set cost?

Ans: \$ _____

2.

First 6 curry puffs	\$1 each
Additional curry puff	80 cents each

Jack has \$50. What is the greatest number of curry puffs that he can buy?

Ans: _____

Do not write
in this
space

- 3 A piece of wrapping paper is 50 cm long and 25 cm wide. 200 cm² of the wrapping paper is used to wrap a present. What percentage of the wrapping paper is used to wrap the present?

Ans: _____ %



- 4 Calvin, Victor and Hassan shared a box of stickers in the ratio 5 : 9 : 3. Victor had 24 stickers more than Calvin. How many stickers did the three boys share altogether?

Ans: _____



Leo took three mathematics tests. The average score of the three tests was 86. His lowest score was more than 80.

Each statement below is either true, false or not possible to tell from the information given above. For each statement, put a tick (✓) in the correct column.

Do not write
in this
space

Statement	True	False	Not possible to tell
(a) Leo's highest score was 90.			
(b) Leo scored 88 and 91 for two of his tests.			



For questions 6 to 17, show your working clearly and write your answers in the space provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

Do not write
in this
space

- 6 Alice read 24 pages of a story book every day while Betty read 16 pages of the same story book every day. Betty started reading the book on Monday, 2 days ahead of Alice. On which day would both of them be on the same page?

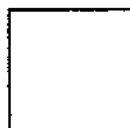
Ans: _____ [3]



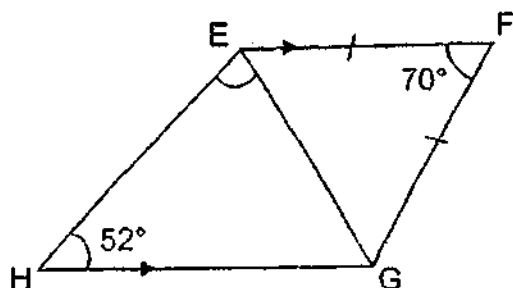
- 7 Mrs Raja had 5 l of paint. She poured $\frac{3}{10}$ of it into a pail. She used the paint in the pail to paint the storeroom. After painting the storeroom, she had $\frac{1}{5}$ l of paint left in the pail. How much paint did she use to paint the storeroom?

Do not write
in this
space

Ans: _____ [3]



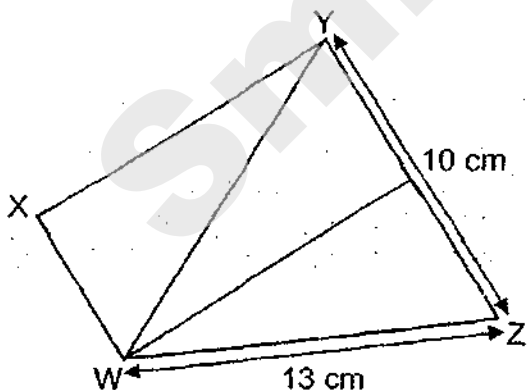
- 8 In the figure below, EFGH is a trapezium with $EF \parallel HG$ and $EF = FG$.
 $\angle EFG = 70^\circ$ and $\angle EHG = 52^\circ$. Find $\angle HEG$.



Ans: _____ [3]

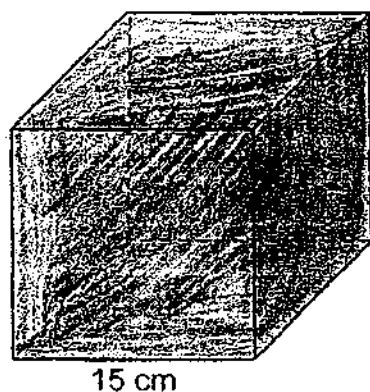
Do not write
in this
space

- 9 Rebecca cut out three identical right-angled triangles. She joined them to form figure WXYZ as shown below. The perimeter of the figure WXYZ is 40 cm, $YZ = 10$ cm and $WZ = 13$ cm. Find the area of figure WXYZ.

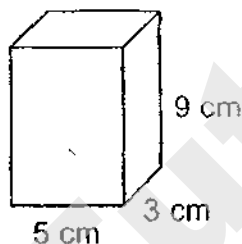


Ans: _____ [3]

- 10 A cubical tank of side 15 cm was completely filled with water. All the water was then poured into some empty rectangular containers to the brim. Each rectangular container measures 5 cm by 3 cm by 9 cm.
- (a) What was the volume of the cubical tank?
- (b) How many rectangular containers were used?



Tank



Rectangular container

Do not write
in this
space

Ans: (a) _____ [1]

(b) _____ [2]



- 11 Siti wanted to buy 30 markers but she was short of \$14. She bought 22 markers instead and had \$18 left. How much money did Siti have?

Do not write
in this
space

Ans: _____ [4]



- 12 Mr Gopal bought a camera for \$1800. He was given a discount of 20%. He had to pay 7% GST on the discounted price.

- (a) How much was the discount for the camera?
(b) How much did Mr Gopal pay for the camera including GST?

Do not write
in this
space

Ans: (a) _____ [2]

(b) _____ [2]

☐

- 13 Angela made a total of 55 keychains in 5 days. Each day, she managed to make 3 more keychains than the day before. She sold all the key chains at \$2.30 each.

- (a) How much would Angela collect from the sale of all the key chains?
(b) How many keychains did Angela make on the last day?

Do not writ
in this
space

Ans: (a) _____ [1]

(b) _____ [3]



- 14 5 notebooks, 2 pencils and 2 markers cost \$10.
1 pencil and 1 marker cost \$2. 1 notebook and 1 pencil cost \$1.75.
(a) How much did 1 notebook cost?
(b) How much did 1 marker cost?

Do not write
in this
space

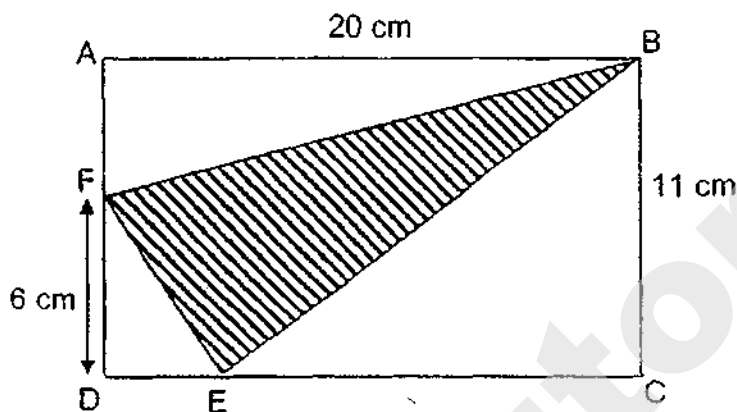
Ans: (a) _____ [2]

_____ [2]



Do not write
in this
space

- 15 ABCD is a rectangle. The length of EC is 4 times the length of DE.
Find the area of triangle BEF.



Ans: _____ [5]

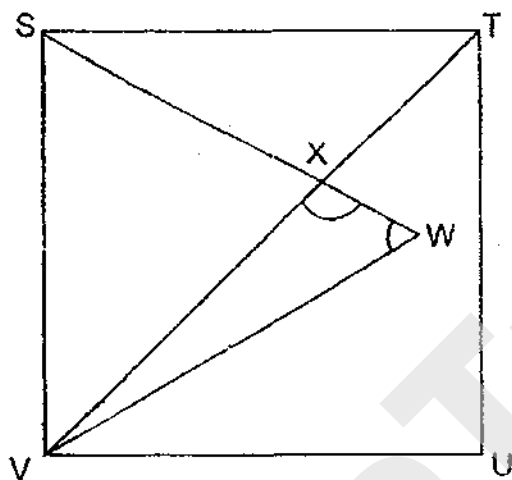


- 16 In the figure below, $STUV$ is a square. SWV is an equilateral triangle and TXV is a straight line.

Do not write
in this
space

(a) Find $\angle WST$.

(b) Find $\angle VXW$.



Ans: (a) _____ [2]

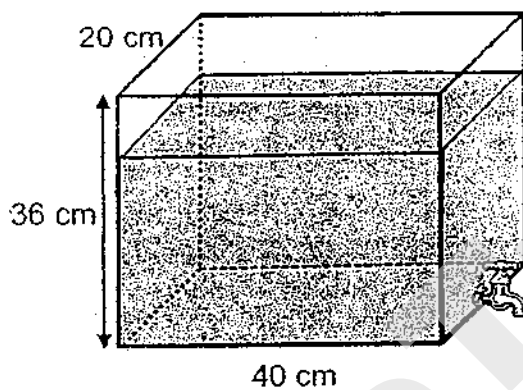
(b) _____ [2]



Do not write
in this
space

- 17 A rectangular tank 40 cm long, 20 cm wide and 36 cm high was $\frac{5}{6}$ -filled with water.

- (a) What was the volume of the water in the tank in litres?
(b) A tap was used to drain the water from the tank at a rate of 4 l per minute. The tap was turned off when the tank was $\frac{1}{3}$ -filled with water. How long did it take to drain the water?



Ans: (a) _____ [2]

(b) _____ [3]



End of Paper

SCHOOL : MGS PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA2

PAPER ONE : BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
2	4	2	3	2	3	2	3
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
2	3	3	2	1	1	4	

PAPER ONE : BOOKLET B

Q16	80 000
Q17	200
Q18	60 002g
Q19	$540 \times \frac{35}{100} = 189$ $540 - 189 = 351$
Q20	20cm ²
Q21	$\$84 \div 7 = \12 $12 \times 3 = \$36$
Q22	$\$5000 \times \frac{3}{100} = \150
Q23	$40 - 15 - 17 = 8$ $\frac{8}{40} \times 100\% = 20\%$
Q24	$5u \rightarrow \$75$ $3u \rightarrow \$75 \div 5 \times 3 = \45
Q25	$14 - 6 = 8$ $\frac{1}{2} \times 8 \times 18 = 72\text{cm}^2$
Q26	$1.42 \times 5 = 7.1$ $7.10 - 1.30 = 5.80$ $5.80 \div 4 = 1.45$
Q27	$\angle ACB = 180^\circ - 40^\circ - 80^\circ = 60^\circ$ $\angle CAD = 60^\circ \div 3 = 20^\circ$
Q28	Anna $\rightarrow 60$ (99 - 39) Carine $\rightarrow 99$ (60 + 39) Total minutes $\rightarrow 82 \times 4 = 328$ Beth $\rightarrow 328 - 60 - 99 - 86 = 83$

Q29	$0.12 \times 3 = 0.36$ $0.36 \times 5 = 1.8\text{kg}$
Q30	$60 \times 50 \times 15 = 45\,000$ $45\,000\text{ml} = 45\text{L}$ $45 \div 5 = 9\text{min}$

PAPER B:

Q1	$\$6\,499 - \$199 = \$6\,300$ $\$6\,300 \div 2 = \$3\,150$																					
Q2	$6 \times \$1 = \6 $\$50 - \$6 = \$44$ $\$44 \div \$0.80 = 55$ $55 + 6 = 61$																					
Q3	$50 \times 25 = 1250$ $200 \div 1250 = 0.16$ Ans : $0.16 \approx 16\%$																					
Q4	$C : V : H \rightarrow 5 : 9 : 3$ $4u \rightarrow 24$ $1u \rightarrow 24 \div 4 = 6$ Altogether $\rightarrow 17 \times 6 = 102$																					
Q5	(a) Not possible to tell (b) False																					
Q6	<table><tr><td></td><td>Mon</td><td>Tue</td><td>Wed</td><td>Thu</td><td>Fri</td><td>Sat</td></tr><tr><td>Betty</td><td>16</td><td>32</td><td>48</td><td>64</td><td>80</td><td>96</td></tr><tr><td>Alice</td><td></td><td></td><td>24</td><td>48</td><td>72</td><td>96</td></tr></table> <p>Answer : Saturday</p>		Mon	Tue	Wed	Thu	Fri	Sat	Betty	16	32	48	64	80	96	Alice			24	48	72	96
	Mon	Tue	Wed	Thu	Fri	Sat																
Betty	16	32	48	64	80	96																
Alice			24	48	72	96																
Q7	$10u \rightarrow 5\text{L}$ $1u \rightarrow 5\text{L} \div 10 = 0.5\text{L}$ $3u \rightarrow 0.5\text{L} \times 3 = 1.5\text{L}$																					
Q8	$\angle FEG = (180 - 70) \div 2 = 55$ $\angle HEG = 180 - 52 - 55 = 73$																					
Q9	Length of XY $\rightarrow 40 - 10 - 13 - 5 = 12$ Each Triangle $\rightarrow \frac{1}{2} \times 5 \times 12 = 30\text{cm}^2$ 3 Triangles $\rightarrow 30 \times 3 = 90\text{cm}^2$																					
Q10	(a) $15 \times 15 \times 15 = 3375\text{cm}^3$ (b) $5 \times 3 \times 9 = 135\text{cm}^3$ $3375 \div 135 = 25$																					

Q11	<p>8 markers $\rightarrow 14 + 18 = 32$ 1 marker $\rightarrow 32 \div 8 = \\4 $\\$4 \times 22 + \\$18 = \\$106$</p>										
Q12	<p>(a) $\\$1\,800 \div 100 \times 20 = \\360 (b) $\\$1\,800 - \\$360 = \\$1\,440$ $\\$1\,440 \div 100 \times 7 = \\100.80 $\\$1\,440 + \\$100.80 = \\$1540.80$</p>										
Q13	<p>(a) $55 \times \\$2.30 = \\126.50 (b)</p> <table border="1"> <tr> <td>Day 1</td><td>\square</td></tr> <tr> <td>Day 2</td><td>$\square + 3$</td></tr> <tr> <td>Day 3</td><td>$\square + 3 + 3$</td></tr> <tr> <td>Day 4</td><td>$\square + 3 + 3 + 3$</td></tr> <tr> <td>Day 5</td><td>$\square + 3 + 3 + 3 + 3$</td></tr> </table> <p> $55 - 30 = 25$ $\square \rightarrow 25 \div 5 = 5$ $5 + 3 + 3 + 3 + 3 = 17 \text{ {ANS}}$ </p>	Day 1	\square	Day 2	$\square + 3$	Day 3	$\square + 3 + 3$	Day 4	$\square + 3 + 3 + 3$	Day 5	$\square + 3 + 3 + 3 + 3$
Day 1	\square										
Day 2	$\square + 3$										
Day 3	$\square + 3 + 3$										
Day 4	$\square + 3 + 3 + 3$										
Day 5	$\square + 3 + 3 + 3 + 3$										
Q14a	<p> $[1p + 1m = \\$2] \times 2$ $[2p + 2m = \\$4]$ $[5n + 2p + 2m = \\$10]$ $5n \rightarrow \\$10 - \\$4 = \\$6$ $1n \rightarrow \\$6 \div 5 = \\1.20 </p>										
Q14b	<p> $1p \rightarrow \\$1.75 - \\$1.20 = \\$0.55$ $1m \rightarrow \\$2.00 - \\$0.55 = \\$1.45$ </p>										
Q15	<p> $DE \rightarrow 4\text{cm} ; EC \rightarrow 16\text{cm} ; AF \rightarrow 5\text{cm}$ $DEF \rightarrow \frac{1}{2} \times 4 \times 6 = 12$ $ABF \rightarrow \frac{1}{2} \times 5 \times 20 = 50$ $BCD \rightarrow \frac{1}{2} \times 11 \times 16 = 88$ Total unshaded $\rightarrow 12 + 50 + 88 = 150$ Total Area $\rightarrow 20 \times 11 = 220$ Shaded area $\rightarrow 220 - 150 = 70\text{cm}^2$ </p>										
Q16a	$\angle WST = 90 - 60 = 30$										
Q16b	<p> $\angle WVX = 45 - 30 = 15$ $\angle VXW = 180 - 60 - 15 = 105$ </p>										

Q17a	$36 \times \frac{5}{6} = 30$ $30 \times 20 \times 40 = 24000\text{cm}^3$ $24000\text{cm}^3 = 24000\text{ml} = 24\text{L}$
Q17b	$36 \times \frac{1}{3} = 12$ $12 \times 20 \times 40 = 9600\text{cm}^3$ $9600\text{cm}^3 = 9600\text{ml} = 9.6\text{L}$ $24\text{L} - 9.6\text{L} = 14.4\text{L}$ $14.4\text{L} \div 4 = 3.6 \text{ minutes}$



NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2 – 2019
PRIMARY 5

MATHEMATICS
PAPER 1
(BOOKLET A)

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1-15.
6. The use of calculators is **NOT** allowed.

Name : _____ ()

Class : 5 _____

Date : 30 October 2019

Parent's Signature : _____

SmileTutor.sg

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet (OAS)
(20 marks)

1. Arrange the following fractions from the smallest to the largest

$$\frac{5}{4}, 1\frac{1}{6}, \frac{10}{9}$$

- | | <u>smallest</u> | | <u>largest</u> |
|-----|-----------------|---|---------------------------------|
| (1) | $\frac{5}{4}$ | , | $\frac{10}{9}$, $1\frac{1}{6}$ |
| (2) | $\frac{10}{9}$ | , | $\frac{5}{4}$, $1\frac{1}{6}$ |
| (3) | $\frac{10}{9}$ | , | $1\frac{1}{6}$, $\frac{5}{4}$ |
| (4) | $1\frac{1}{6}$ | , | $\frac{10}{9}$, $\frac{5}{4}$ |

2. 30.303 is the same as

- (1) $3 + \frac{3}{10} + \frac{3}{1000}$
- (2) $30 + \frac{3}{10} + \frac{3}{100}$
- (3) $3 + \frac{3}{100} + \frac{3}{1000}$
- (4) $30 + \frac{3}{10} + \frac{3}{1000}$

3. Find the value of $100 - 50 + (2 + 3) \times 2$.

- (1) 5
- (2) 20
- (3) 80
- (4) 95

4. How many common factors do 16 and 40 have?

- (1) 1
- (2) 2
- (3) 3
- (4) 4

()

5. In a class of 33 students, 14 of them are girls. Find the ratio of the number of boys to the total number of students.

- (1) 19 : 33
- (2) 14 : 33
- (3) 19 : 14
- (4) 14 : 19

()

6. The table below shows the number of students who wear spectacles in a club.

	Female	Male	Total
Wear spectacles	9	21	30
Do not wear spectacles	11	9	20
Total	20	30	50

What percentage of the students are girls who wear spectacles?

- (1) 18%
- (2) 30%
- (3) 40%
- (4) 45%

()

7. Bala watched a movie on television that lasted for 1 h 45 min. The movie ended at 11.05 p.m. What time did the movie start?

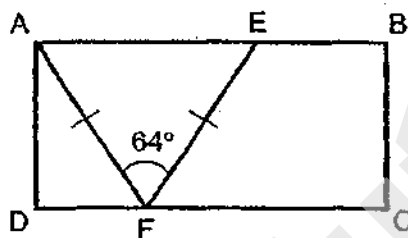
- (1) 00 50
- (2) 09 20
- (3) 12 50
- (4) 21 20

()

8. What is 19.651 when rounded to the nearest tenth?

- (1) 19.600
- (2) 19.65
- (3) 19.7
- (4) 20

9. In the figure, ABCD is a rectangle. $AF = EF$. $\angle AFE = 64^\circ$. Find $\angle DAF$.



- (1) 26°
- (2) 32°
- (3) 45°
- (4) 58°

10. The table shows the postage rates for sending packages to Malaysia.

Mass step not over	Postage
100 g	\$2.50
250 g	\$3.90
500 g	\$5.20
Every additional 100 g	\$1.10

How much does it cost to send a package of 450 g to Malaysia?

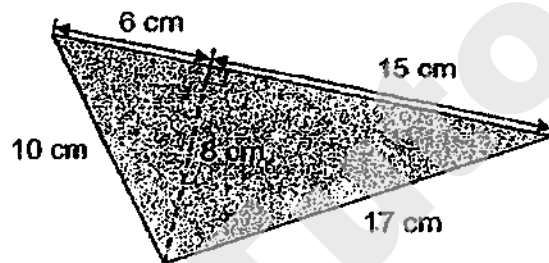
- (1) \$5.20
- (2) \$6.10
- (3) \$8.90
- (4) \$11.25

11. What is the value of $20 \div 500$?

- (1) 0.004
- (2) 0.04
- (3) 2.5
- (4) 25

()

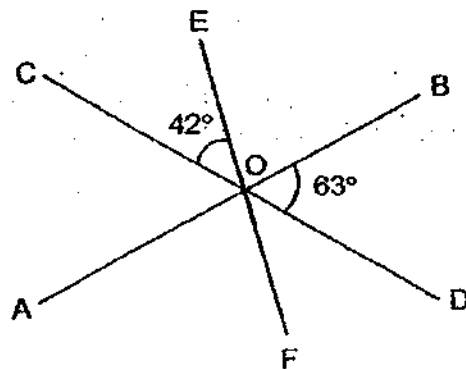
12. Find the area of the triangle.



- (1) 84 cm^2
- (2) 85 cm^2
- (3) 105 cm^2
- (4) 168 cm^2

()

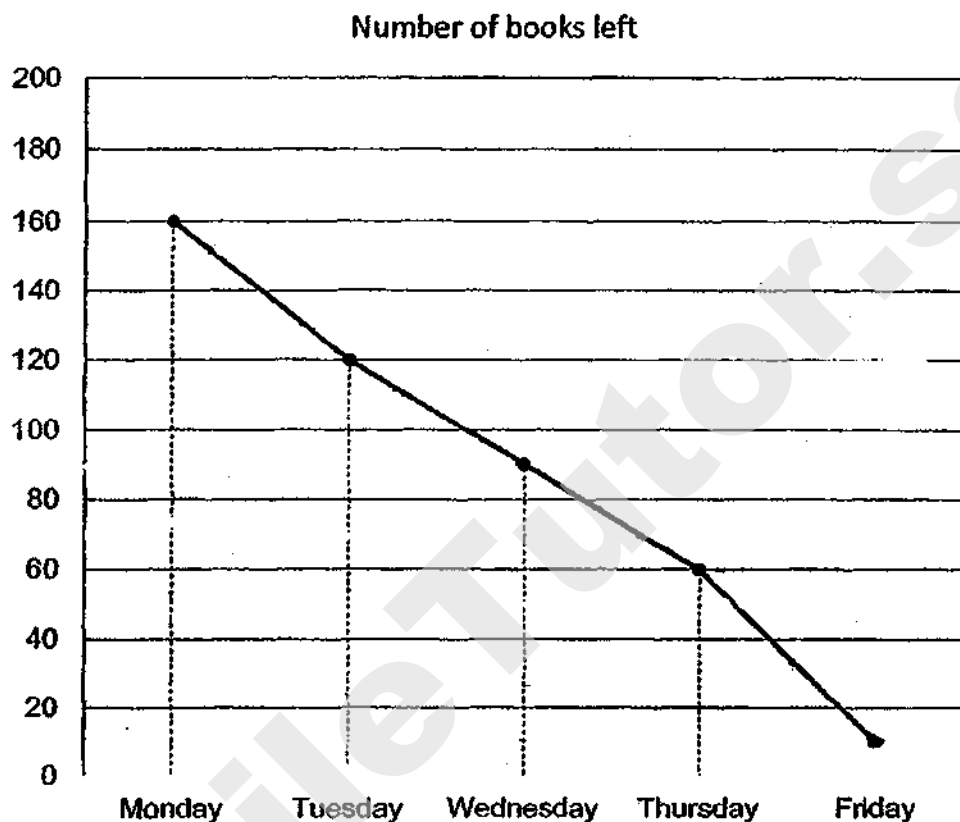
13. In the figure, AOB, COD and EOF are straight lines. $\angle COE = 42^\circ$ and $\angle BOD = 63^\circ$. Find $\angle AOF$.



- (1) 42°
- (2) 63°
- (3) 75°
- (4) 105°

()

A school bookshop ordered 200 books to sell over a period of 5 days. The graph below shows the number of books left at the end of each day. Study the graph and answer questions 14 and 15.



14. How many books were sold on Thursday?

- (1) 30
- (2) 50
- (3) 60
- (4) 140

()

15. What is the average number of books sold over the period of 5 days?

- (1) 30
- (2) 38
- (3) 40
- (4) 88

()



**NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2 – 2019
PRIMARY 5**

**MATHEMATICS
PAPER 1
(BOOKLET B)**

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. The use of calculators is **NOT** allowed.

Marks Obtained

Paper 1	Booklet A		/ 45
	Booklet B		
Paper 2			/ 55
Total			/ 100

Name : _____ ()

Class : 5 _____

Date : 30 October 2019

Parent's Signature : _____

Questions 16 to 20 carry 1 mark each. Write your answer in the blanks provided.
For questions which require units, give your answers in the units stated. (5 marks)

Do not write
in this space

16. What is the second common multiple of 6 and 9?

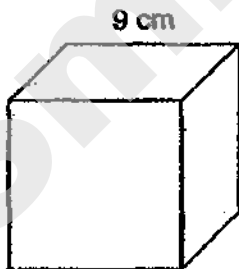
Ans: _____

17. What is the missing number in the box?

$$2 : 3 = \boxed{} : 18$$

Ans: _____

18. Find the volume of a cube of edge 9 cm.



Ans: _____ cm³

Subtotal

/ 3

19. The table shows the number of absentees in the P5 level for a week.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number of absentees	10	0	8	9	13

Find the average number of absentees in the P5 level for the five days.

Ans: _____

20. Find the value of $\frac{3}{8} \times 2400$.

Ans: _____

Do not write
in this space

Subtotal

/ 2

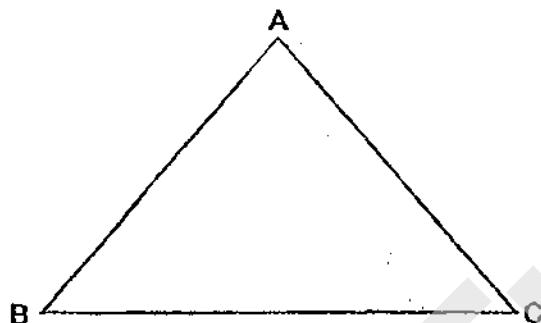
Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

Do not write
in this space

21. Triangle ABC is shown below.

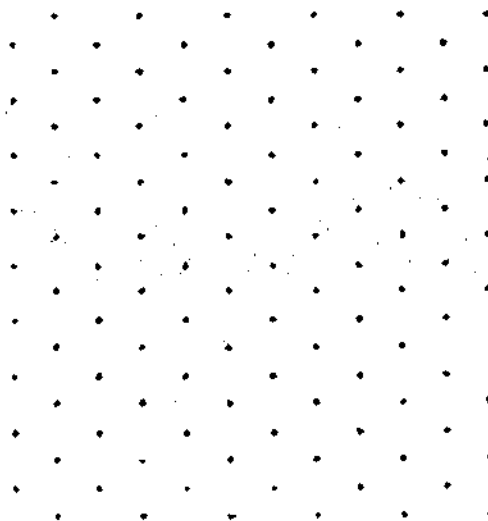
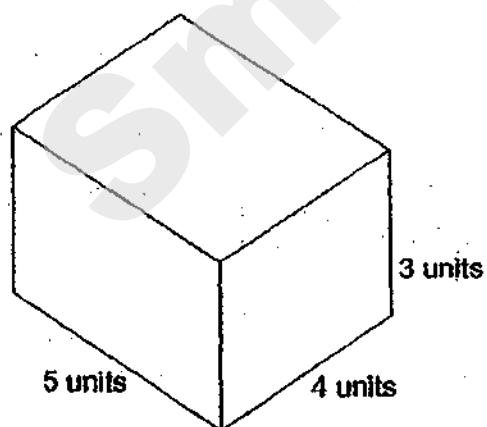
- (a) Measure and write down the length of BC.
(b) Measure and write down the size of $\angle BAC$.



Ans: (a) _____ cm

(b) _____ °

22. Draw the following cuboid in the isometric grid.



Subtotal

/ 4

23. (a) Find the value of $\frac{5}{8} - \frac{7}{12}$.

(b) Find the value of $\frac{3}{4} \times \frac{9}{10}$.

Do not write
in this space

Ans: (a) _____

(b) _____

24. Use all the digits 3, 5, 6 and 8 to form

(a) the greatest even number.

(b) the number closest to 6000.

Ans: (a) _____

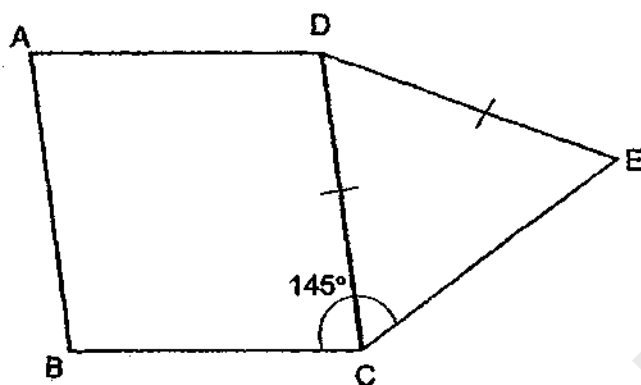
(b) _____

Subtotal

/ 4

25. In the figure below, ABCD is a rhombus. CDE is an isosceles triangle.
 $\angle BCE = 145^\circ$.

Do not write
in this space



Each of the statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (\checkmark) to indicate your answer.

Statement	True	False	Not possible to tell
$\angle BAD + \angle DEC = 145^\circ$			
$\angle ABC = 125^\circ$			

26. (a) Express 0.215 as a percentage.
 (b) Express 40% as a fraction in its simplest form.

Ans: (a) _____ %

(b) _____

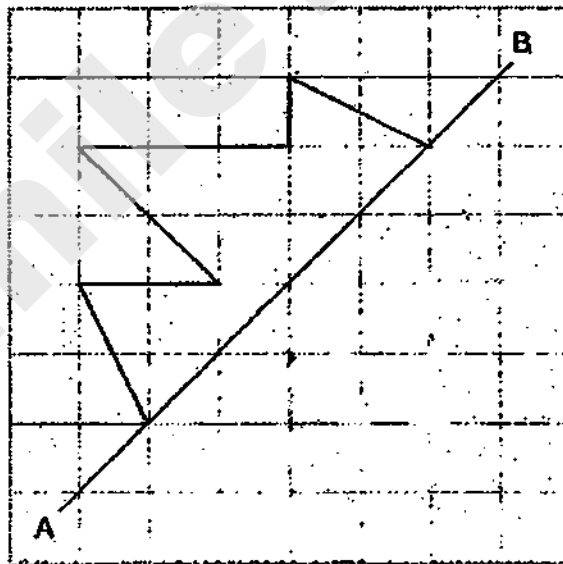
Subtotal	/ 4
----------	-----

27. Mrs Lim bought $\frac{7}{8}$ kg of meat. She cooked $\frac{1}{5}$ of it. How many kilograms of meat was left?

Do not write
in this space

Ans: _____ kg

28. Complete the symmetric figure with AB as the line of symmetry.



Subtotal	/ 4
----------	-----

29. Amy's father gave her \$2 for every \$18 that she saved. Together with the money that her father gave, Amy had a total of \$95. How much money did Amy's father give her?

Do not write
in this space

Ans: \$ _____

30. Ali, Ben and Calli shared 72 cards among themselves. The ratio of Ali's number of cards to Ben's number of cards was 1 : 3. Calli got 5 cards less than Ben. How many cards did Ali get?

Ans: _____

— End of Paper 1 —

Subtotal	/ 4
----------	-----



**NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2 – 2019
PRIMARY 5**

**MATHEMATICS
Paper 2**

Total Time for Paper 2: 1 hour 30 minutes

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully
4. Answer all questions.
5. Write your answers in this booklet.
6. The use of an approved calculator is expected, where appropriate.

Marks Obtained

Total	Max Mark
	55

Name : _____ ()

Class : 5 _____

Date : 30 October 2019

Parent's Signature : _____

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

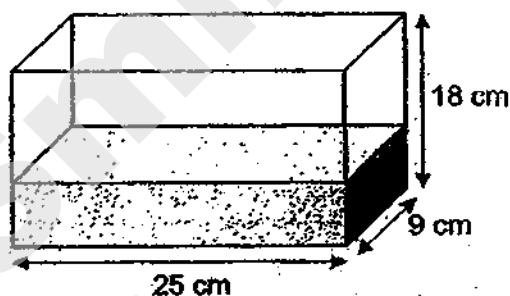
Do not write
in this space

(10 marks)

1. The ratio of Jason's mass to Sally's mass is 5 : 4. Their total mass is 117 kg.
What is Sally's mass?

Ans: _____ kg

2. The amount of water in the tank is $\frac{1}{3}$ of the tank's capacity.
Find the volume of water in the tank.

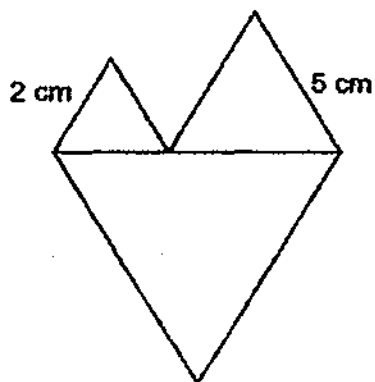


Ans: _____ cm³

Subtotal

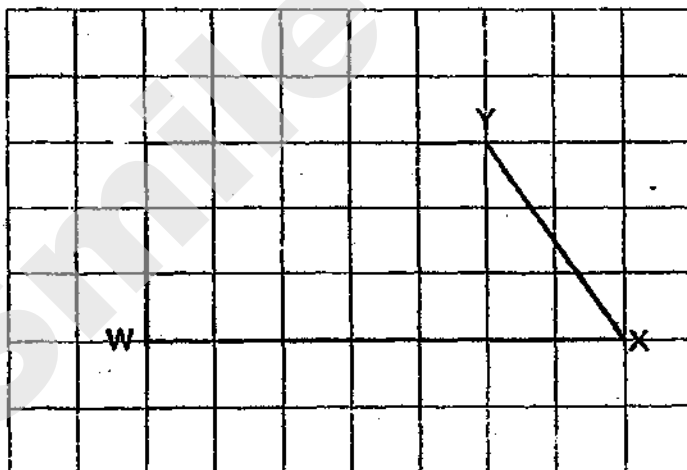
/ 4

3. The following figure is made up of 3 different equilateral triangles.
What is the perimeter of the figure?



Ans: _____ cm

4. In the square grid below, WX and XY are two sides in Trapezium WXYZ.
Draw two more lines to complete Trapezium WXYZ given that $\angle XWZ$ is 90° .



Do not write
in this space

Subtotal

/ 4

5. Samantha spent an average of \$69 a day over a period of 5 days.
She spent twice as much on Friday compared to Wednesday.
Use the information given and complete the table.

Do not write
in this space

Monday	Tuesday	Wednesday	Thursday	Friday
\$38	\$47	(a) \$ _____	\$92	(b) \$ _____

Subtotal

/ 2

For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question.

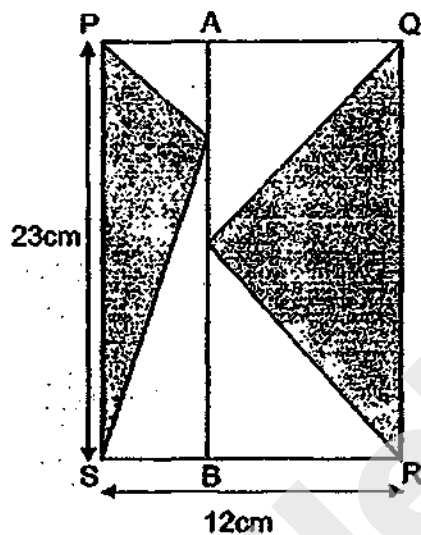
(45 marks)

Do not write
in this space

6. PQRS, PABS and ABRQ are rectangles.

AQ is twice as long as AP.

Find the area of the shaded parts.



Ans: _____ [3]

7. A book has 168 pages. Peter read an average of 16 pages for 7 days.
How many pages does Peter have left to read?

Ans: _____ [3]

Subtotal	/ 6
----------	-----

8. Delia put \$13 250 in a bank. The bank gave an interest of 2% annually.
How much did she have in the bank after one year?

Do not write
in this space

Ans: _____ [3]

9. A man worked at a shop and was paid according to the following rates.
He worked from Tuesday to Saturday for 8 hours a day.
How much did he earn in total?

	First 6 hours	Subsequent hour
Weekdays	\$7 per hour	\$9
Weekends	\$9 per hour	\$11

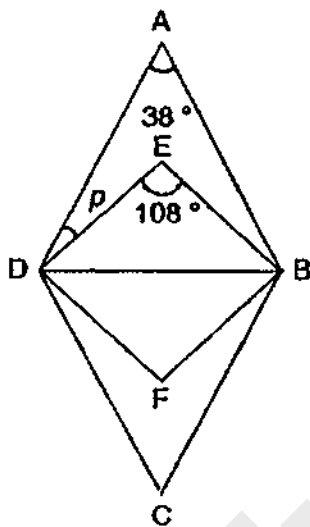
Ans: _____ [3]

Subtotal

/ 6

10. The figure below is made up of 2 different rhombuses, $ABCD$ and $EBFD$. Find the value of $\angle p$.

Do not write
in this space



Ans: _____ [3]

11. Katie had 10 stamps less than Howard. After Katie bought 228 stamps and Howard bought 38 stamps, Katie had 4 times as many stamps as Howard. How many stamps did Howard have at first?

Ans: _____ [3]

Subtotal	/ 6
----------	-----

12. Mark had an equal number of blue and red marbles. He gave away $\frac{5}{9}$ of his blue marbles and sold 49 red marbles. In the end, he was left with $\frac{1}{3}$ of the marbles. How many marbles did he have at first?

Do not write
in this space

Ans: _____ [4]

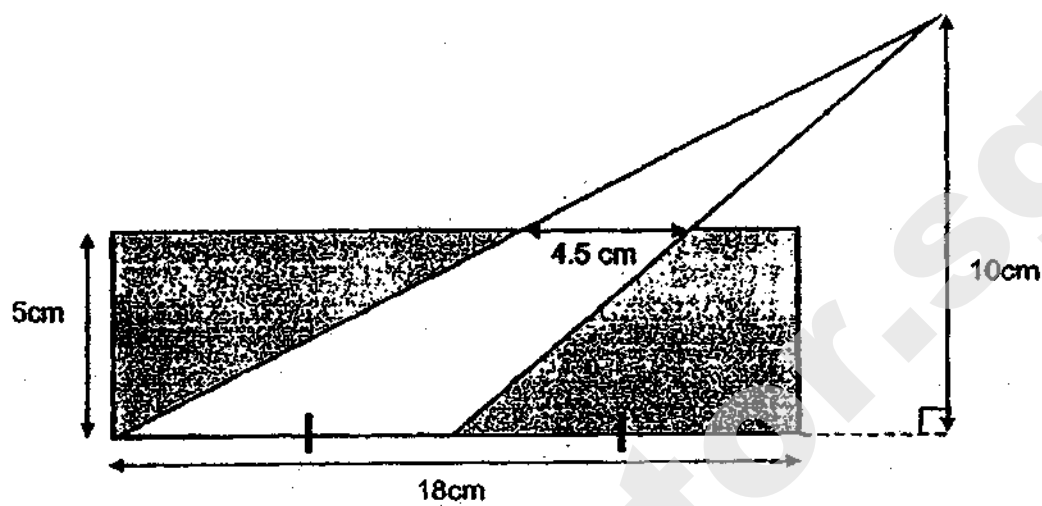
13. Jerry had some marbles. He gave $\frac{3}{7}$ of the marbles to Amy and $\frac{3}{8}$ of the remaining marbles to Betty. He bought another 92 marbles and he ended up with twice the amount of marbles he had at first. How many marbles did Jerry have at first?

Ans: _____ [5]

Subtotal	/ 9
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14. The figure below shows a triangle overlapping a rectangle.
Find the area of the shaded part.

Do not write
in this space



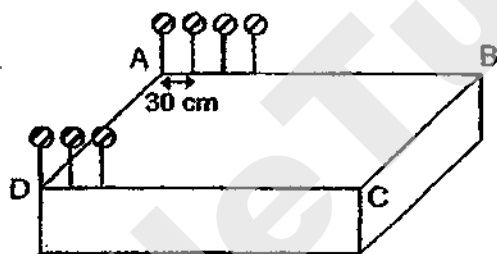
Ans: _____ [4]

15. 98 balloons were placed on a rectangular stage at an equal distance apart along AB and CD. The distance between 2 balloons was 30 cm. The figure shows part of the set-up.

a) What was the length of AB? Express your answer in centimetres.

While arranging, 8 balloons along AB burst. The workers then re-arranged the remaining balloons along AB such that the balloons were of equal distance apart from each other again.

b) What was the distance between 2 balloons on AB after the rearrangement?



Do not write
in this space

Ans: a) _____ [2]

b) _____ [2]

16. Agnes, Betty and Cindy had \$3200 in total.

Agnes gave \$324 to Betty. Betty then gave half of her money to Cindy.

Cindy then spent \$620. In the end, they had the same amount of money.

a) How much did Betty have at first?

b) How much more did Betty have than Agnes at first?

Do not write
in this space

Ans: a) _____ [3]

b) _____ [2]

17. George bought three times as many notebooks as pencils. The total cost of all the items was \$840. He paid \$780 for the notebooks. Each notebook cost \$4 more than each pencil.

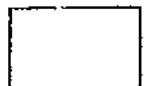
- (a) How much did he pay for the pencils?
(b) How many pencils did he buy?

Do not write
in this space

Ans: a) _____ [1]

b) _____ [4]

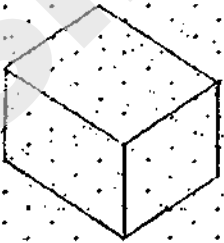
— End of Paper 2 —



SCHOOL : NAN HUA PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	3	4	1	1	4	3	2	1
Q11	Q12	Q13	Q14	Q15					
2	1	3	1	2					

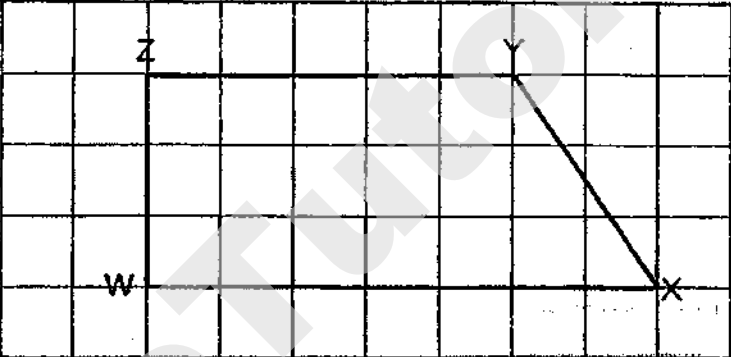
PAPER 1

Q16	6,12,18,24,30,36 9,18,27,36 ANS:36			
Q17	2:3 = 12:18			
Q18	Volume = $9 \times 9 \times 9 = 729 \text{ cm}^3$			
Q19	$10+8+9+13 = 40$ $40 \div 5 = 8$			
Q20	$\frac{3}{8} \times 2400 = 900$			
Q21	a) 7 cm b) 82°			
Q22				
Q23	a) $\frac{5}{8} - \frac{7}{12} = \frac{15}{24} - \frac{14}{24} = \frac{1}{24}$ b) $\frac{3}{4} \times \frac{9}{10} = \frac{27}{40}$			
Q24	a) 8536 b) 5863			
Q25	Statement	True	False	Not possible to tell
	$\angle BAD + \angle DEC = 145^\circ$			
	$\angle ABC = 125^\circ$			

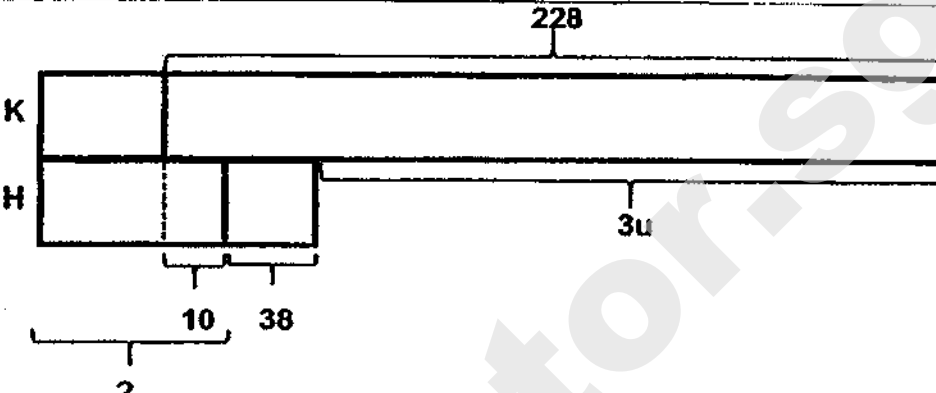
Q26	a) 21.5% b) $40\% = \frac{40}{100} = \frac{2}{5}$
Q27	$\frac{7}{8} \times \frac{4}{5} = \frac{7}{10} \text{ kg}$
Q28	

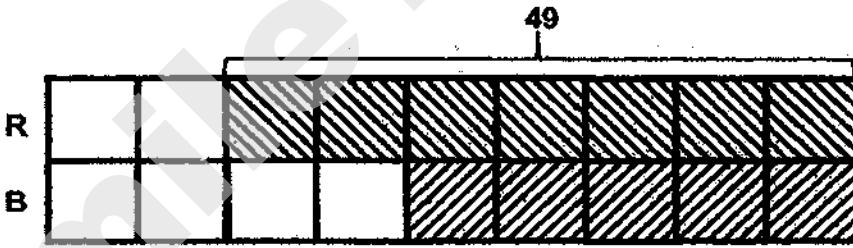
29	$95 \div 20 = 4R15$ $4 \times 2 = 8$	
30	$1u + 3u + 3u = 7u$ $7u = 72 + 5 = 77$ $1u = 77 \div 7 = 11$	

Paper 2

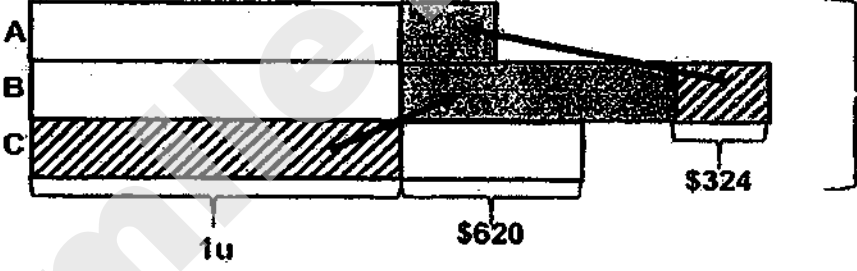
1.	$117 \div 9 = 13$ $13 \times 4 = 52$	
2.	$18 \div 3 = 6$ $25\text{cm} \times 9\text{cm} \times 6\text{cm} = 1350\text{cm}^3$ Or $25 \times 9 \times 18 = 4050$ $4050\text{cm}^3 \div 3 = 1350\text{cm}^3$	
3.	$4\text{cm} + 10\text{cm} + 14\text{cm} = 28\text{cm}$	
4.		
5.	$69 \times 5 = 345$ $345 - 38 - 47 - 92 = 168$ (a) $168 \div 3 = 56$ (b) $56 \times 2 = 112$	
6.	$\frac{1}{2} \times 23\text{ cm} \times 4\text{ cm} = 46\text{ cm}^2$ $\frac{1}{2} \times 23\text{ cm} \times 8\text{ cm} = 92\text{ cm}^2$ $46\text{ cm}^2 + 92\text{ cm}^2 = 138\text{ cm}^2$	
7.	$16 \times 7 = 112$ $168 - 112 = 56$	
8.	$\$13250 \div 100 = \132.50 $\$132.50 \times 2 = \265 $\$265 + \$13250 = \$13515$	
9.	$\$7 \times 6 = \42 $\$9 \times 6 = \54 $\$42 + \$18 = \$60$ $\$54 + \$22 = \$76$ $\$60 \times 4 = \240 $\$240 + \$76 = \$316$	

10. $180^\circ - 38^\circ = 142^\circ$
 $180^\circ - 108^\circ = 72^\circ$
 $\angle ADB = 142^\circ \div 2 = 71^\circ$
 $\angle EDB = 72^\circ \div 2 = 36^\circ$
 $\angle p = 71^\circ - 36^\circ = 35^\circ$

11. 
 $10 + 38 = 48$
 $228 - 48 = 180$
 $180 \div 3 = 60$
 $60 - 38 = 22$

12. 
 $9u \times 2 = 18u$
 $\frac{1}{3} = \frac{6}{18}$
 $\frac{6}{18} - \frac{4}{18} = \frac{2}{18}$
 $\frac{2}{18} = \frac{1}{9}$
 $\frac{1}{9} - \frac{1}{18} = \frac{1}{18}$
 $7u = 49$
 $1u = 49 \div 7 = 7$
 $18u = 7 \times 18 = 126$

13. $\frac{7}{7} - \frac{3}{7} = \frac{4}{7}$
 $\frac{3}{8} \times \frac{4}{7} = \frac{3}{14}$
 $\frac{3}{14} + \frac{3}{7} = \frac{9}{14}$
 $\frac{9}{14} - \frac{4}{14} = \frac{5}{14}$
 $14u \times 2 = 28u$
 $28u - 5u = 23u$
 $92 \div 23 = 4$
 $4 \times 14 = 56$

14.	$\frac{1}{2} \times 9 \times 10 = 45$ $\frac{1}{2} \times 4.5 \times 5 = 11.25$ $45 - 22.5 = 33.75$ $18 \times 5 = 90$ $90 \text{ cm}^2 - 33.75 \text{ cm}^2 = 56.25 \text{ cm}^2$
15. a) b)	$98 \div 2 = 49$ $49 - 1 = 48$ $48 \times 30 \text{ cm} = 1440 \text{ cm}$ $49 - 8 = 41$ $41 - 1 = 40$ $1440 \text{ cm} \div 40 = 36 \text{ cm}$
16. a)	 <p> $\\$3200 - \\$620 = \\$2580$ $\\$2580 \div 3 = \\860 $\\$860 \times 2 = \\1720 $\\$1720 - \\$324 = \\$1396$ </p> <p>b)</p> <p> $\\$860 + \\$324 = \\$1184$ $\\$1396 - \\$1184 = \\$212$ </p>
17a)	$840 - 780 = 60$
b)	$780 \div 3 = 260$ $260 - 60 = 200$ $200 \div 4 = 50$



NANYANG PRIMARY SCHOOL

**SECOND SEMESTRAL EXAMINATION
2019**

PRIMARY 5

**MATHEMATICS
PAPER 1
(BOOKLET A)**

Total Duration for Booklets A and B: 1 hour

Additional materials: Optical Answer Sheet (OAS)

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Shade your answers in the Optical Answer Sheet (OAS) provided.
5. The use of calculators is **NOT** allowed.

Name: _____ ()

Class: Primary 5 ()

SmileTutor.sg

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.
(20 marks)

1 In 23.149, what does the digit 9 stand for?

- (1) 9 ones
- (2) 9 tenths
- (3) 9 hundredths
- (4) 9 thousandths

2 Which one of the following has the same value as 1506 cm?

- (1) 0.156 m
- (2) 1.506 m
- (3) 15.06 m
- (4) 15.6 m

- 3 There are 24 apples, 15 oranges and 12 pears in a box. What is the ratio of the number of apples to the number of oranges to the number of pears? Express your answer in its simplest form.

- (1) 8 : 5 : 4
- (2) 4 : 5 : 8
- (3) 12 : 15 : 24
- (4) 24 : 15 : 12

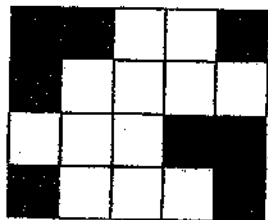
- 4 A printer prints 300 copies of a newsletter in 60 seconds. How many copies of the newsletter does it print in 1 second?

- (1) 18 000
- (2) 1800
- (3) 50
- (4) 5

- 5 There are 120 teachers in a school. 30% of them are men. How many teachers are men?

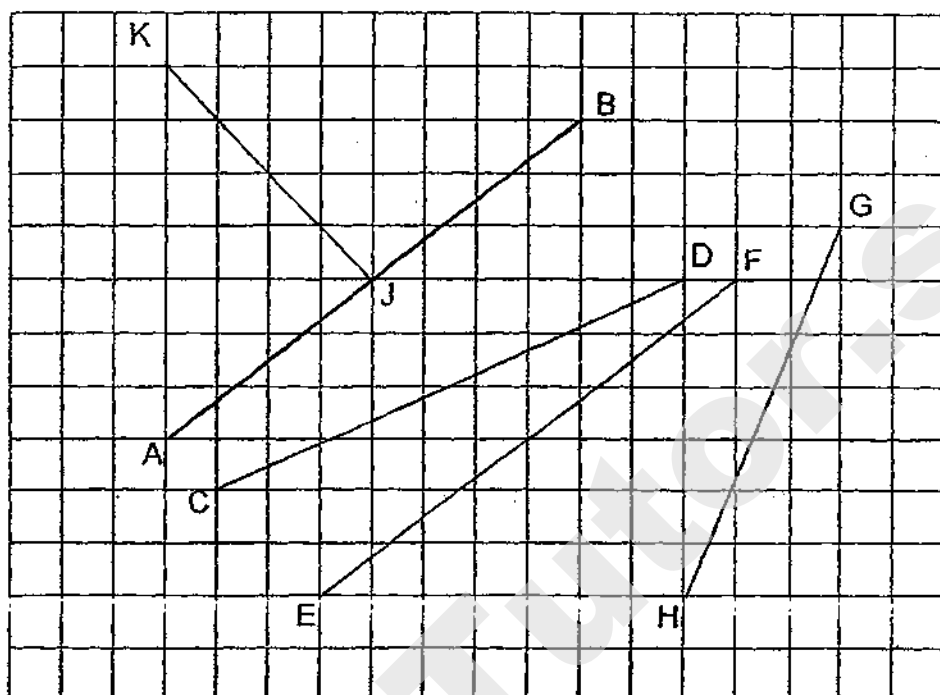
- (1) 25
- (2) 36
- (3) 84
- (4) 95

- 6 The figure below is made up of 20 square units. What percentage of the figure is shaded?



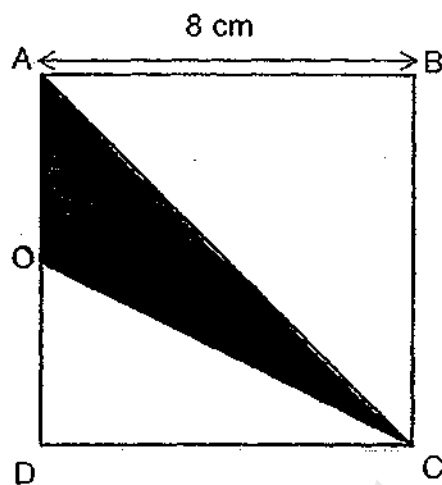
- (1) 8%
(2) 12%
(3) 40%
(4) 60%

- 7 Which line in the square grid is parallel to AB?



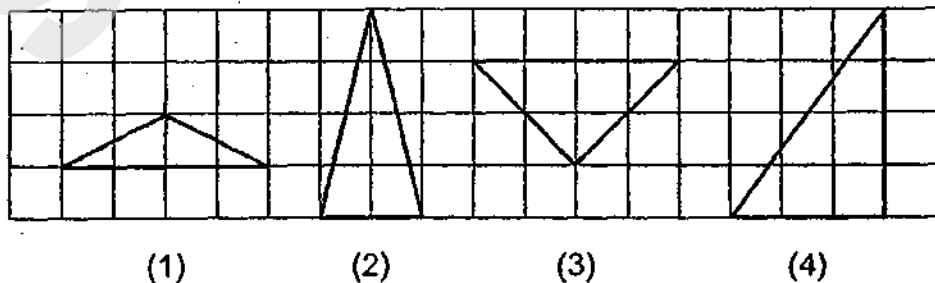
- (1) CD
- (2) EF
- (3) GH
- (4) JK

- 8 In the figure below, ABCD is a square and AOC is a triangle. Given that OA is half the length of AD, find the area of triangle AOC.

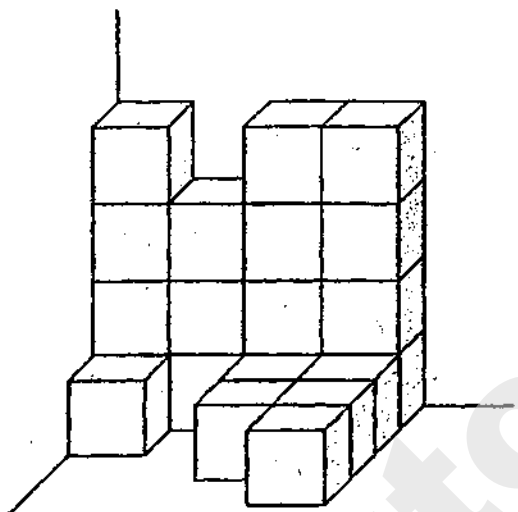


- (1) 16 cm^2
- (2) 20 cm^2
- (3) 32 cm^2
- (4) 64 cm^2

- 9 In the square grid below, which triangle is an obtuse-angled triangle?



- 10 The solid below is formed by unit cubes. How many unit cubes are there?



- (1) 18
(2) 19
(3) 20
(4) 21

- 11 Arrange the following fractions from the smallest to the largest.

$$\frac{1}{3}, \quad \frac{1}{9}, \quad \frac{1}{5}, \quad \frac{1}{7}$$

(1) $\frac{1}{3}, \frac{1}{9}, \frac{1}{5}, \frac{1}{7}$

(2) $\frac{1}{9}, \frac{1}{7}, \frac{1}{5}, \frac{1}{3}$

(3) $\frac{1}{3}, \frac{1}{5}, \frac{1}{7}, \frac{1}{9}$

(4) $\frac{1}{3}, \frac{1}{7}, \frac{1}{9}, \frac{1}{5}$

- 12 Study the four number cards shown below. Find the average of the 4 numbers shown on the cards.

24

16

17

3

(1) 15

(2) 16

(3) 29

(4) 60

- 13 Mrs Nathan cooked 0.45 kg of rice each day. How many kilograms of rice did she cook in 30 days?

- (1) 4.5 kg
- (2) 12.5 kg
- (3) 13.5 kg
- (4) 15 kg

- 14 Jake had 30 marbles. He gave 8 marbles to George and 12 marbles to David. What fraction of the marbles did Jake have left?

- (1) $\frac{3}{5}$
- (2) $\frac{2}{5}$
- (3) $\frac{2}{3}$
- (4) $\frac{1}{3}$

- 15 Julian bought 20 identical bags at a total cost of \$580. How much did he need to pay for 50 such bags?

- (1) \$29
- (2) \$1450
- (3) \$14 500
- (4) \$29 000



NANYANG PRIMARY SCHOOL

**SECOND SEMESTRAL EXAMINATION
2019**

PRIMARY 5

**MATHEMATICS
PAPER 1
(BOOKLET B)**

Total Duration for Booklets A and B: 1 hour

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Write your answers in this booklet.
5. The use of calculators is **NOT** allowed.

Name: _____ ()

Class: Primary 5 ()

Booklet B

/ 25

Any query on marks awarded should be raised by 1st November 2019. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

16 Find the value of $42 \div 6 \times (30 - 18) + 12$.

Ans: _____

17 Find the value of $1203 \div 4$.
Express your answer as a decimal.

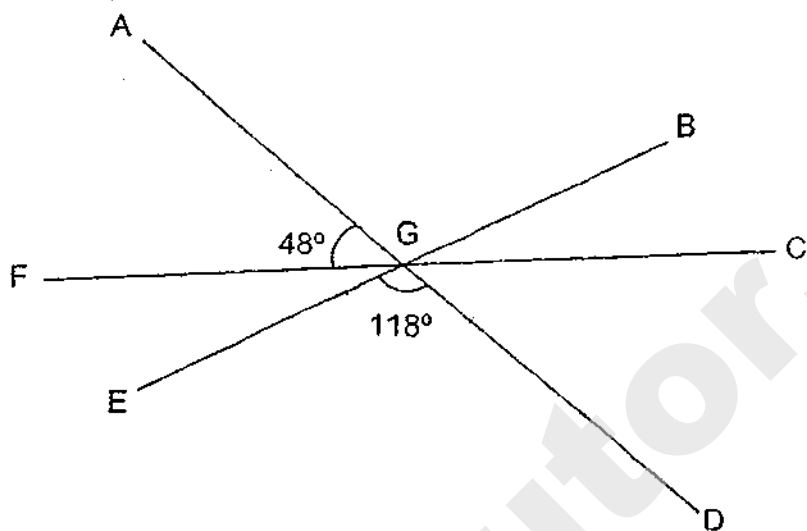
Ans: _____

18 What is the missing number in the box?

$$2 : 5 = 8 : \boxed{?}$$

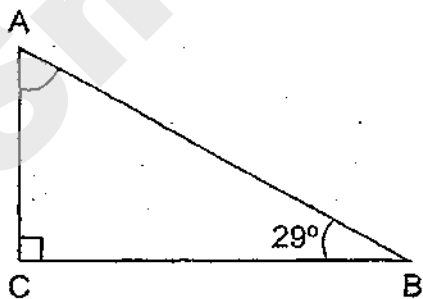
Ans: _____

- 19 In the figure below, AGD, CGF and BGE are straight lines. Find $\angle BGC$.



Ans: _____ $^\circ$

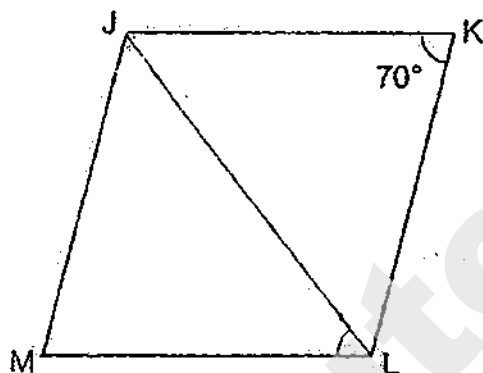
- 20 In the figure below, ABC is a right-angled triangle. Find $\angle BAC$.



Ans: _____ $^\circ$

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

- 21 In the figure, JKLM is a rhombus. $\angle JKL = 70^\circ$. Find $\angle JLM$.

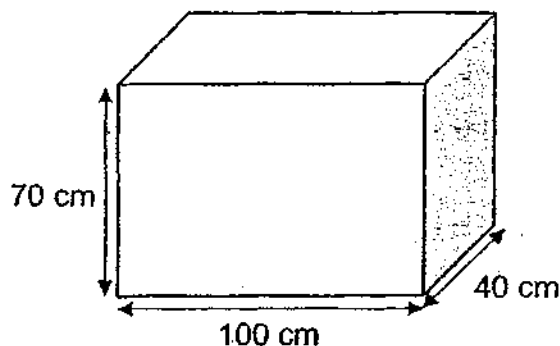


Ans: _____ $^\circ$

- 22 Mrs Livia prepared $\frac{2}{3}$ l of apple juice for her son. Her son drank $\frac{3}{5}$ of it. How much apple juice did her son drink?

Ans: _____ l

- 23 What is the volume of the cuboid shown below?



Ans: _____ cm^3

- 24 Find the average of 362 ml, 270 ml and 367 ml.

Ans: _____ ml

- 25 Ji Sung deposits \$5000 into a bank for one year. The interest rate is 3% per year. How much will he have in the bank account at the end of one year?

Ans: \$

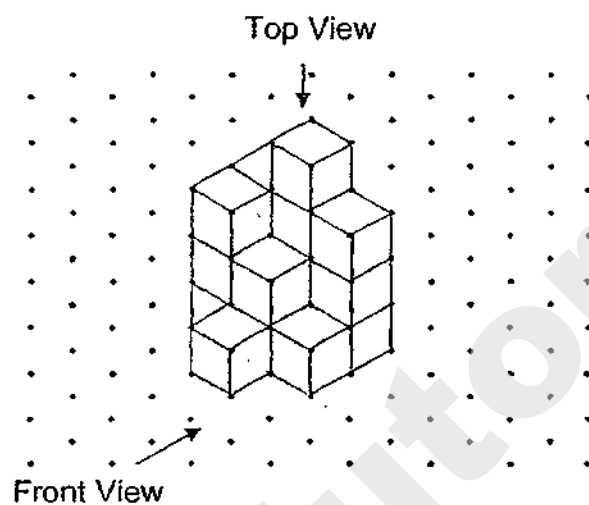
- 26 The number of boys in a school was 1830 in January. The number of boys in the school was increased by 85 in February. How many boys were there in the school in February? Round your answer to the nearest ten.

Ans: _____

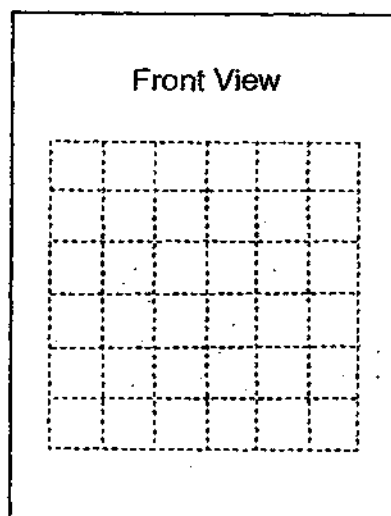
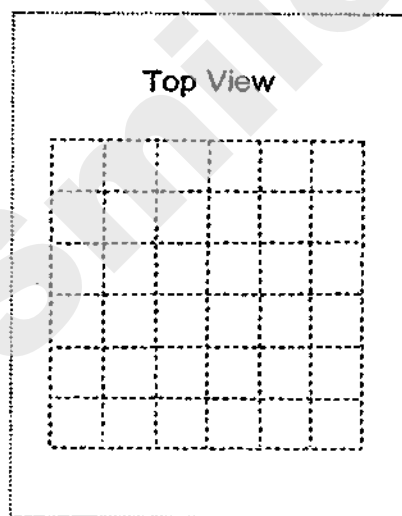
- 27 Tom and George had \$5.50 and \$15.50 respectively at first. They were then each given an equal amount of money. George had twice as much money as Tom in the end. How much money did each boy receive?

Ans: \$ _____

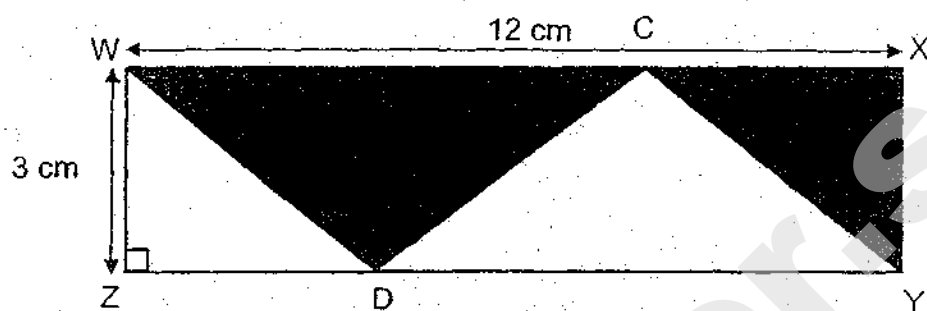
28 Study the solid below.



Draw the top view and the front view of the solid in the grids provided.





- 29 In the figure below, $WXYZ$ is a rectangle. WCX and ZDY are straight lines. $WZ = 3$ cm and $WX = 12$ cm. Find the total area of the shaded parts.



Ans: _____ cm^2

- 30 The table below shows the heights of Aishah, Deepa and Ruyi. The average height of these children is 133 cm. The digit in the ones place of Aishah's height and the digit in the tens place of Ruyi's height are covered by ink blots.

Name	Height (cm)
Aishah	14  9
Deepa	1 2 8
Ruyi	1  2 2

- (a) What is the digit in the ones place of Aishah's height?
- (b) What is the digit in the tens place of Ruyi's height?

Ans: (a) _____

(b) _____



NANYANG PRIMARY SCHOOL

**SECOND SEMESTRAL EXAMINATION
2019**

PRIMARY 5

**MATHEMATICS
PAPER 2**

Duration: 1 hour 30 minutes

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Write your answers in this booklet.
5. The use of an approved calculator is expected, where appropriate.

Name: _____ ()

Class: Primary 5 ()

Parent's Signature: _____

Booklet A	/ 20
Booklet B	/ 25
Paper 2	/ 55
Total	/ 100

Any query on marks awarded should be raised by 1st November 2019. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

- 1 On Monday, Kate used $4\frac{1}{8}$ kg of flour to bake a cake. On Tuesday, she used $5\frac{2}{7}$ kg of flour to make some buns. What was the total amount of flour Kate used on both days?

Ans: _____ kg

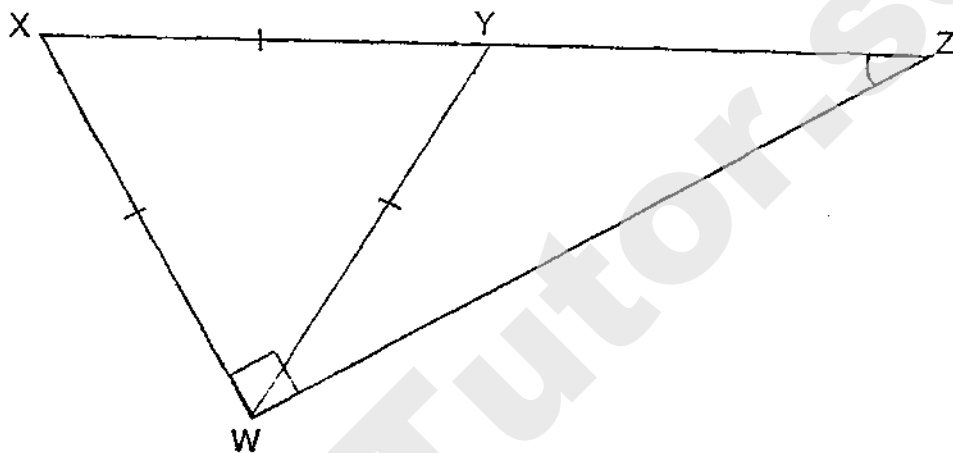
- 2 A container can hold $8\frac{3}{5}$ litres of water when filled to the brim. How much water can 4 such containers hold when they are filled to the brim?

Ans: _____ l

- 3 Mrs Wong bought some files. The total cost of the files was \$252. The average cost of the files was \$4. How many files did she buy?

Ans: _____

- 4 In the figure below, WXZ is a right-angled triangle. WXY is an equilateral triangle. Find $\angle XZW$.



Ans: _____ °

- 5 Kangyi formed numbers with 2 decimal places using the following digits 1, 2 and 9. He used the digits once only for each number formed. At most, how many numbers could be formed by Kangyi?

Ans:

For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

- 6 At a bakery, Rong Ying paid a total of \$12.90 for a cake and 2 tarts. The cake was \$2.70 more than each tart. How much did Rong Ying pay for the cake?

Ans: _____ [3]

- 7 At a sale, a shop sold candy bars at the prices as shown below.

Candy Bars for Sale!

Usual Price: \$4 each

1st candy bar at \$4.

Every additional candy bar at 15% discount.

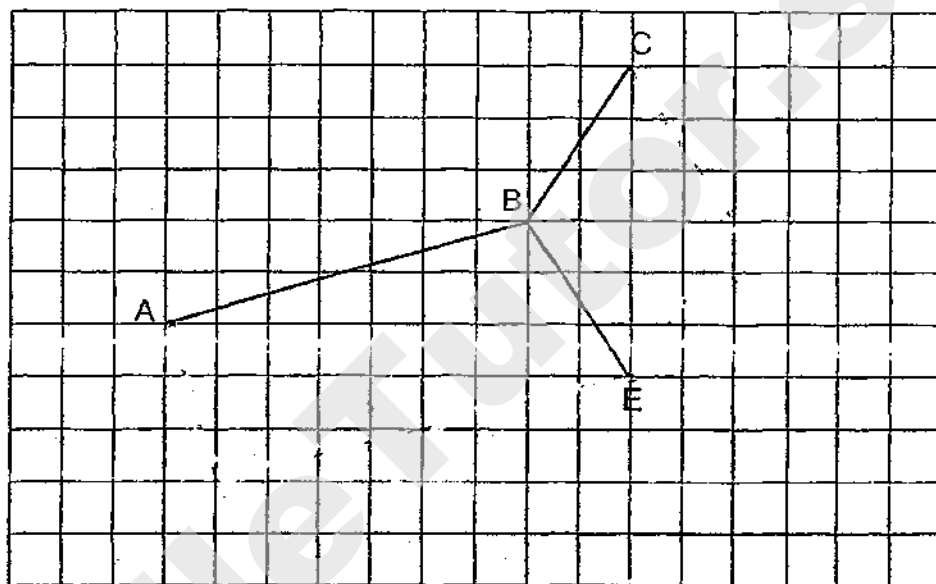
Shin Hye bought 4 candy bars at the sale. How much did she pay?

Ans: _____ [3]

8 In the square grid below, AB, BC and BE are straight lines.

(a) CB and BE form two sides of a rhombus. Complete the drawing of the rhombus. [1]

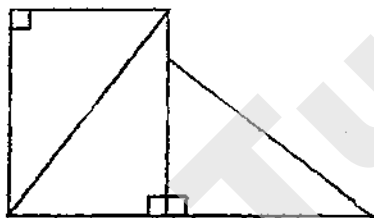
(b) AB and BE form two sides of a parallelogram ABEF. Complete the drawing of parallelogram ABEF. [2]



- 9 The sides of the right-angled triangle shown below are in the ratio 3 : 4 : 5. The length of the shortest side is 12 cm.



- (a) What is the length of the longest side of the triangle?
- (b) The figure below is made up of 3 such triangles.



What is the perimeter of the figure?

Ans: (a) _____ [1]

(b) _____ [2]

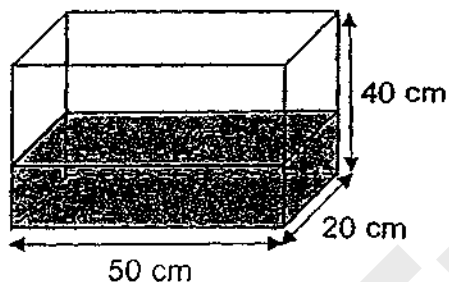
- 10 The total number of pins produced by Machine A and Machine B was 964. The total number of pins produced by Machine A and Machine C was 1146. The total number of pins produced by Machine B and Machine C was 1106. Find the average number of pins produced by the 3 machines.

Ans: _____ [3]

- 11 For a week, Sharon worked a total of $28\frac{2}{3}$ h from Monday to Friday, $7\frac{2}{5}$ h on Saturday and $6\frac{1}{4}$ h on Sunday. Rita worked 3 h fewer than Sharon for that week. How many hours did both of them work for the week?

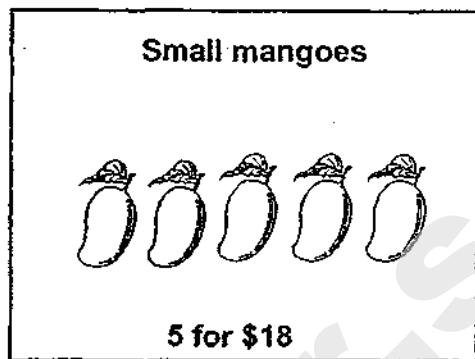
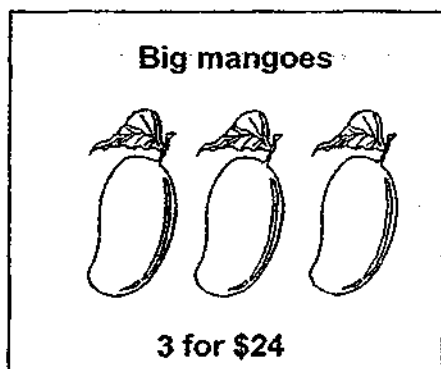
Ans: _____ [4]

- 12 A tank, measuring 50 cm by 20 cm by 40 cm, was $\frac{2}{5}$ filled with water as shown below. Some water was then added into the tank. After that, the height of the water level in the tank increased to 28 cm. What was the volume of water added into the tank? Express your answer in litres.



Ans: _____ [4]

- 13 Jun Ki and Min Joon bought mangoes at the prices shown below.

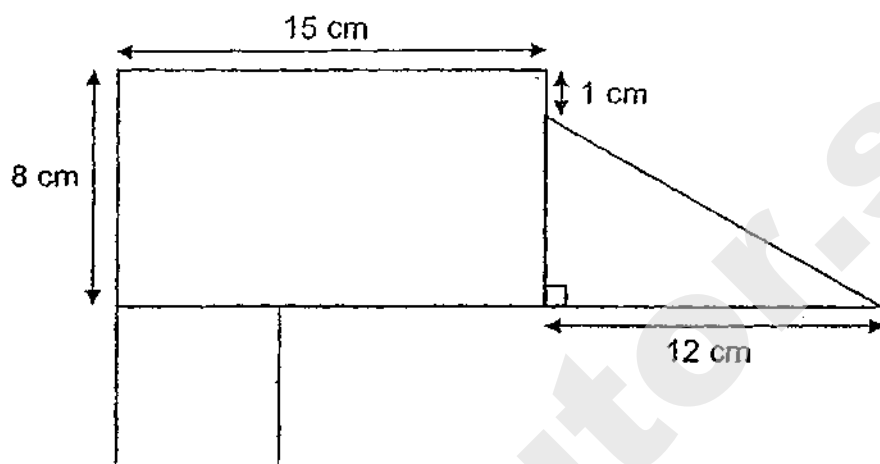


- (a) Jun Ki had \$200. What was the greatest number of big mangoes he could buy with \$200?
- (b) Min Joon bought an equal number of big mangoes and small mangoes. He spent \$66 less on the small ones. How many mangoes did he buy altogether?

Ans: (a) _____ [2]

(b) _____ [3]

- 14 The figure below is made up of a rectangle, a square and a right-angled triangle. The area of the square is $\frac{2}{11}$ of the area of the figure.

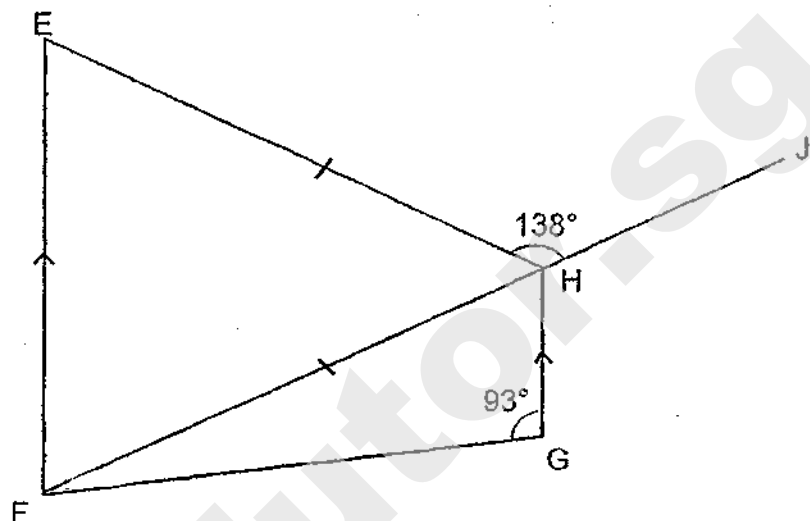


- (a) Find the area of the square.
- (b) What is the length of the square?

Ans: (a) _____ [3]

(b) _____ [1]

- 15 In the figure below, EFGH is a trapezium and EFH is an isosceles triangle. FHJ is a straight line and $EH = FH$. $\angle FGH = 93^\circ$ and $\angle EHJ = 138^\circ$.



- (a) Find $\angle FEH$.
(b) Find $\angle JFG$.

Ans: (a) _____ [2]

(b) _____ [2]

- 16 The table below shows the parking charges at a car park.

Between 7 a.m. to 5 p.m.	
For the first hour	\$1.60
For every subsequent 30 min or part thereof	\$0.90
Between 5 p.m. to 12 midnight (Carpark is closed from 12 midnight to 7 a.m.)	
Per entry	\$3.00

- (a) Ahmad parked his car from 12.20 p.m. to 4.30 p.m. How much were his parking charges?
- (b) Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

Statement	True	False	Not possible to tell
Mrs Selvi paid more than \$3 for the parking charges when she parked her car from 6 p.m. to 8 p.m.			
Sam paid \$1.60 for the parking charges when he parked for 60 minutes.			

[2]

Ans: (a) _____ [2]

17 Jie Lun formed some figures using squares and circles as shown below.



Figure 1

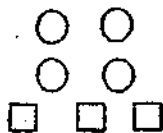


Figure 2

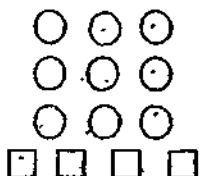


Figure 3

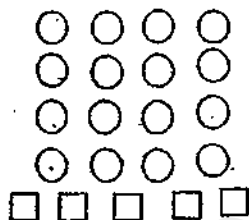


Figure 4

Figure	1	2	3	4
Number of circles	1	4	9	16
Number of squares	2	3	4	5
Total number of circles and squares	3	7	13	21

- (a) Find the number of squares in Figure 6.
- (b) Find the total number of circles and squares in Figure 10.
- (c) A figure in the pattern has a total of 6481 circles and squares. What is the Figure Number?

Ans: (a) _____ [1]

(b) _____ [2]

(c) _____ [2]


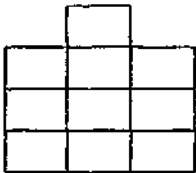
End of Paper

SCHOOL : NANYANG PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA2

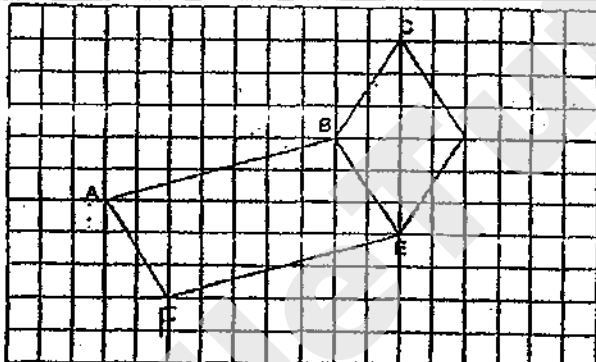
SECTION A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
4	3	1	4	2	3	2	1
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
1	4	2	1	3	4	2	

SECTION B

Q16	96
Q17	300.75
Q18	20
Q19	$180 - 48 - 118 = 14$
Q20	$90 - 29 = 61$
Q21	$\angle LM = (180 - 70) \div 2 = 55$
Q22	$\frac{2}{3} \times \frac{3}{5} = \frac{2}{5}$
Q23	$100 \times 70 \times 40 = 280\,000\text{cm}^3$
Q24	$362 + 270 + 367 = 999$ $999 \div 3 = 333\text{ml}$
Q25	\$5150
Q26	$1830 + 85 = 1915 \approx 1920$
Q27	$\$15.50 - \$5.50 = \$10.00$ $\$10 - \$5.50 = \$4.50$ (ans) (hint: T has \$10 and G has \$20 in the end)
Q28	<div>Top view</div>  <div>Front view</div> 
Q29	$\frac{1}{2} \times 12 \times 3 = 18\text{cm}^2$
Q30	$133 \times 3 = 399$ $399 - 128 = 271$ $271 - 140 - 102 = 29$ (a) 9 (b) 2

SECTION C

Q1	$4\frac{1}{8} + 5\frac{2}{7} = 9\frac{23}{56} \text{ kg}$
Q2	$8\frac{3}{4} \times 4 = \frac{172}{5} = 34\frac{2}{5} \text{ l}$
Q3	$\$252 \div 4 = 63 \text{ files}$
Q4	$90 - 60 = 30^\circ$
Q5	1.29, 1.92, 2.19, 2.91, 9.12, 9.21 Ans $\rightarrow 6$
Q6	$\$12.90 - \$2.70 = \$10.20$ $\$10.20 \div 3 = \3.40 $\$3.40 + \$2.70 = \$6.10$
Q7	$\frac{85}{100} \times 4 = \3.40 $\$3.40 \times 3 = \10.20 $\$10.20 + 4 = \14.20
Q8	
Q9	$3u \rightarrow 12$ $1u \rightarrow 12 \div 3 = 4$ $5u \rightarrow 4 \times 5 = 20$ $4u \rightarrow 4 \times 4 = 16$ $16 - 12 = 4 \text{ (gap)}$ $(16 \times 2) + (12 \times 2) + 20 + 4 = 80$ Ans(a) $\rightarrow 20 \text{ cm}$ Ans(b) $\rightarrow 80 \text{ cm}$
Q10	$964 + 1146 + 1106 = 3216$ $3216 \div 2 = 1608$ $1608 \div 3 = 536$
Q11	$28\frac{2}{3} + 7\frac{2}{5} + 6\frac{1}{4} = 42\frac{19}{60}$ $42\frac{19}{60} - 3 = 39\frac{19}{60}$ $42\frac{19}{60} + 39\frac{19}{60} = 81\frac{19}{30} \text{ hours}$
Q12	$\frac{2}{5} \times 50 \times 20 \times 40 = 16\,000$ $50 \times 20 \times 28 = 28\,000$ $28\,000 - 16\,000 = 12\,000$ $12\,000 \text{ cm}^2 = 12 \text{ l}$

Q13	<p>(a) $200 \div 24 = 8 \text{ R } 8$ $8 \times 3 = \underline{24} \text{ mangoes}$</p> <p>(b) $5 \times 24 = 120$ $3 \times 18 = 54$ $120 - 54 = 66$ $15 \times 2 = 30 \text{ mangoes}$</p>
Q14	<p>(a) $15 \times 8 = 120$ $\frac{1}{2} \times 12 \times 7 = 42$ $120 + 42 = 162$ $9u \rightarrow 162$ $1u \rightarrow 162 \div 9 = 18$ $2u \rightarrow 18 \times 2 = \underline{36}$</p> <p>(b) $\sqrt{36} = \underline{6}$</p>
Q15	<p>(b) $\angle EHF = 180 - 138 = 42$ (a) \$7.90 $\angle FEH = (180 - 42) \div 2 = 69^\circ$ (b) $\angle JFG = 180 - 69 - 93 = 18^\circ$</p>
Q16	<p>(a) False (b) Not possible to tell</p>
Q17	<p>(a) $6 + 1 = 7$ (b) $10 + 1 = 11$ $10 \times 10 = 100$ $100 + 11 = \underline{111}$</p> <p>(c) $80 + 80 = 6400$ $80 + 1 = 81$ $6400 + 81 = 6481$ Ans(a) $\rightarrow 7$ Ans(b) $\rightarrow 111$ Ans(c) $\rightarrow 80$</p>



**RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2
MATHEMATICS (PAPER 1)
PRIMARY 5**

Name: _____ ()

Form Class: P5 _____

Math Teacher : _____

Date: 24 October 2019

Duration: 1 hour

Your Paper 1 Score (Out of 45 marks)	
Your Paper 2 Score (Out of 55 marks)	
Your Total Score (Out of 100 marks)	
Parent's Signature	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. **NO** calculator is allowed for this paper.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade your answer (1, 2, 3 or 4) on the OAS provided.
All diagrams are not drawn to scale. (20 marks)

1. Which digit in 3465.129 is in the thousandths place?

- (1) 1
- (2) 5
- (3) 3
- (4) 9

2. Express 9 m 3 cm in metres.

- (1) 9.003 m
- (2) 9.03 m
- (3) 9.3 m
- (4) 903 m

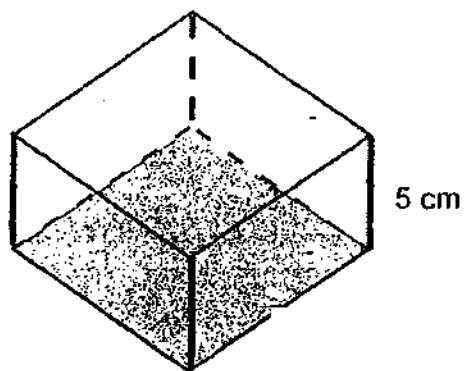
3. Find the value of $70210 \div 70$.

- (1) 1003
- (2) 1030
- (3) 1300
- (4) 10 300

4. $\frac{4}{7} \times 84 =$ _____

- (1) 12
- (2) 48
- (3) 3
- (4) 147

5. The figure shows a cuboid with a square base and a height of 5 cm. The perimeter of the square base is 36 cm. What is the volume of the cuboid?



- (1) 180 cm^3
- (2) 216 cm^3
- (3) 405 cm^3
- (4) 729 cm^3

6. Express $\frac{7}{8}$ as a decimal.

- (1) 0.7
- (2) 0.78
- (3) 0.825
- (4) 0.875

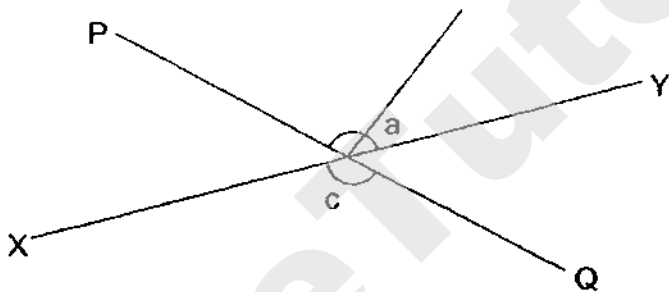
7. The average mass of 5 parcels is 120 g. The heaviest parcel is 280g. What is the average mass of the other 4 parcels?

- (1) 30 g
- (2) 70 g
- (3) 80 g
- (4) 100 g

8. There are 45 donuts in a box. 18 of them are chocolate donuts while the rest are strawberry donuts. What is the ratio of the number of strawberry donuts to the number of chocolate donuts in the box?

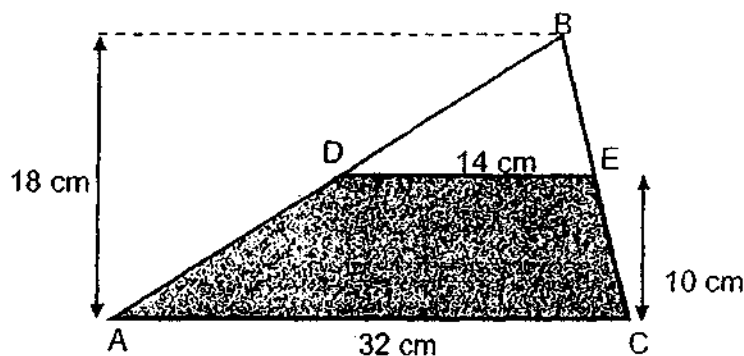
- (1) 2 : 3
- (2) 3 : 2
- (3) 3 : 5
- (4) 5 : 3

9. In the figure, PQ & XY are straight lines. $\angle b$ is twice the size of $\angle a$. $\angle b$ is 82° . Find $\angle c$.



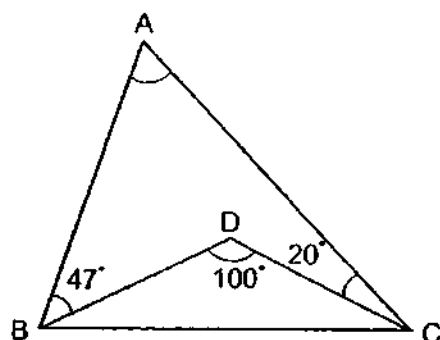
- (1) 41°
 - (2) 57°
 - (3) 123°
 - (4) 164°
10. Express 36 min as a percentage of 2 h.
- (1) 3%
 - (2) 18%
 - (3) 30%
 - (4) 36%

11. In the figure, ABC is a triangle. AC is parallel to DE. Find the area of the shaded part.



- (1) 56 cm^2
(2) 160 cm^2
(3) 232 cm^2
(4) 288 cm^2
12. The mass of a vase is 4.009 kg. 8 vases are packed into one carton. What is the total mass of the vases in 50 cartons?
- (1) 16.36 kg
(2) 163.6 kg
(3) 1603.6 kg
(4) 16036 kg
13. Mrs Yeo had $\frac{4}{5}$ kg of flour. She used $\frac{1}{3}$ of it to bake a cake and $\frac{5}{6}$ of the remaining flour to bake some muffins. How much flour did she use to bake the muffins?
- (1) $\frac{2}{9}$ kg
(2) $\frac{4}{9}$ kg
(3) $\frac{7}{18}$ kg
(4) $\frac{4}{45}$ kg

14. In the figure, ABC and BDC are triangles. Find $\angle BAC$.



- (1) 33°
 - (2) 40°
 - (3) 147°
 - (4) 260°
15. Mr Tan earned \$2500 in October. He saved \$210 and spent 4 times as much as he saved. He gave the rest of his money to his wife. How much money did Mr Tan give to his wife?

- (1) \$1050
- (2) \$1450
- (3) \$1660
- (4) \$2286

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions that require units, give your answers in the units stated. All diagrams are
not drawn to scale. (5 marks)

16. Express 81 g in kg.

Ans: _____ kg

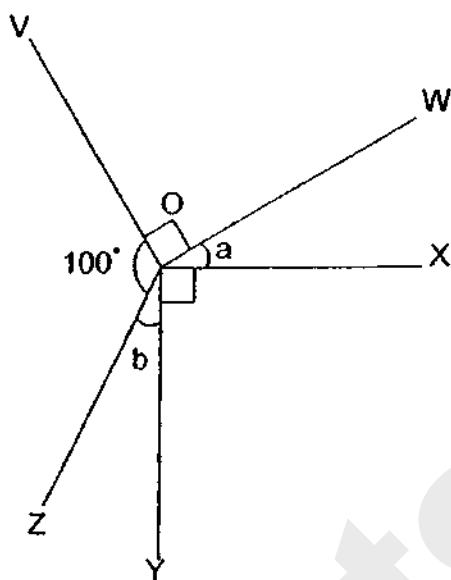
17. A metal rod of length 34 m was cut equally into 6 equal pieces.
What was the length of each piece of metal rod?

Ans: _____ m

18. Find the value of $18 + 60 \div 3 \times 2$.

Ans: _____

19. In the figure, $\angle VOW$ and $\angle XOY$ are right angles. $\angle a = \angle b$. Find $\angle a$.



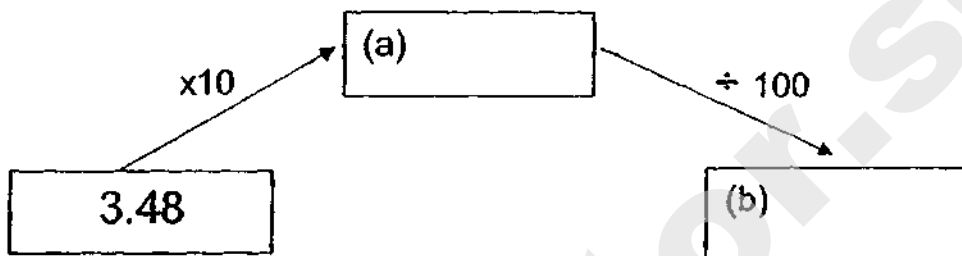
Ans: _____°

20. Amin's mass is $\frac{131}{4}$ kg. Her sister is $\frac{19}{6}$ kg lighter than her. What is her sister's mass? Give your answer as a mixed number in its simplest form.

Ans: _____ kg

Questions 21 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions that require units, give your answers in the units stated. All diagrams are not drawn to scale. (20 marks)

21. What are the answers in the boxes?



22.



Bailey, Ethan and Hannah bought 5 boxes of avocados altogether and shared the cost in the ratio of 5 : 1 : 4. How much did Hannah pay?

Ans: \$ _ _ _

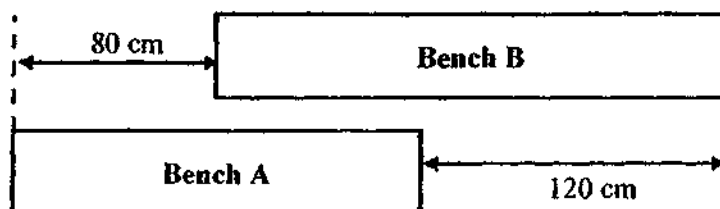
23. There were 600 books in a class library. $\frac{1}{6}$ of them were Chinese books.
 $\frac{1}{4}$ of them were Malay books. The rest were English books. How many English books were there?

Ans: _____

24. James spent $\frac{3}{4}$ h running on a treadmill in the gym. The time he spent on carrying weights was $\frac{5}{9}$ the amount of time he spent on the treadmill. How long did James exercise in the gym? Give your answer in mixed numbers in the simplest form.

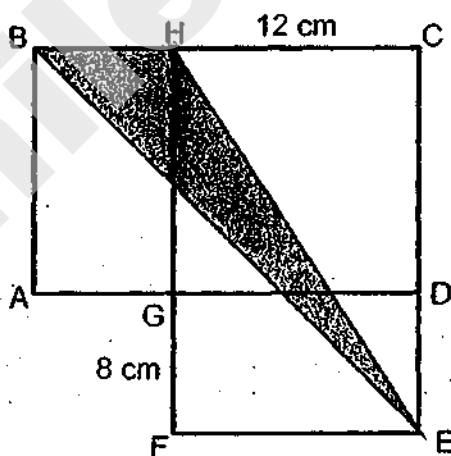
Ans: _____

25. The diagram shows how Bench A and Bench B are arranged such that they are parallel to each other. The total length of the two benches is 390 cm. What is the length of Bench A?



Ans: _____ cm

26. In the figure, ABCD and CEFH are 2 identical rectangles. GF is 8 cm and HC is 12 cm. What is the area of the shaded figure?



Ans: _____ cm^2

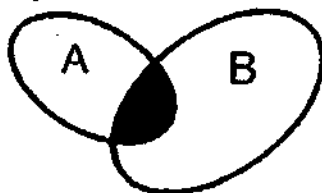
27. The table shows the rental charge for bicycles.

First 2 hours	\$12
Every additional hour	\$5

Gopal and his brother each rented a bicycle for the same duration. They paid a total amount of \$64. How many hours did each of them rent the bicycle?

Ans: _____ h

28. Oval A overlaps Oval B as shown. The ratio of the area of Oval A to the shaded area to the area of Oval B is 5 : 2 : 9. The area of Oval B is 126 cm^2 . Find the area of the whole figure.

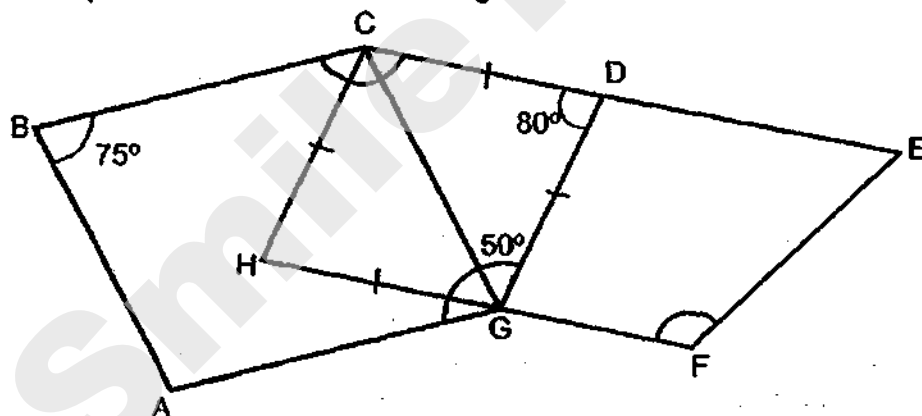


Ans: _____

29. There are 450 passengers on board a flight. 200 of them are female passengers. 30% of the male passengers are boys. How many boys are on board the flight?

Ans: _____

30. In the figure, ABCG is a parallelogram, CDGH is a rhombus and DEFG is a trapezium. CE and HF are straight lines. $\angle CGD$ is 50° .



Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a (\checkmark) to indicate your answer.

Statements	True	False	Impossible to tell
a) $\angle AGD$ is 175°			
b) $\angle EFG$ is 100°			
c) $\angle BCD$ is 155°			

End of Paper

☺ Please check your work carefully ☺



**RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2
MATHEMATICS (PAPER 2)
PRIMARY 5**

Name: _____ ()

Form class: P5 _____

Math Teacher : _____

Date: 24 October 2019

Duration: 1 h 30 min

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. The use of calculator is allowed for this paper.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. (10 marks)

1. Mr Lim had \$82 500 in his bank account. The bank paid 3% interest at the end of each year. How much money did Mr Lim have in his bank account at the end of one year?

Ans : \$ _____

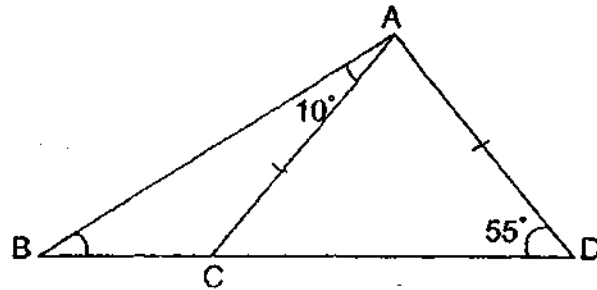
2. The table shows the parking rate at a shopping mall.

First hour	\$2.80
After the first hour	\$1.60 per 30 min or part thereof

Zaihan parked his car at the shopping mall from 3.45 p.m. to 6.55 p.m. How much did he pay for parking his car?

Ans : \$ _____

3. In the figure, ACD is an isosceles triangle with $AC = AD$. $\angle ADC = 55^\circ$ and $\angle BAC = 10^\circ$. Find $\angle ABC$.



Ans : _____°

4. Russel took part in a marathon with a total distance of $42\frac{1}{5}$ km. At the end of the second hour, he completed $\frac{4}{9}$ of the marathon. What was Russel's remaining distance for the marathon?

Ans : _____ km

5. Siti's mass was 45.8 kg. Faizal was 2.5 kg heavier than Ali. Both Faizal and Ali were heavier than Siti. The total mass of the three children was 147.5 kg. What was Faizal's mass?

Ans: _____ kg

For questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [] at the end of each question or part-question. All diagrams are not drawn to scale. (45 marks)

6. The mass of a box was 2538 g when it was $\frac{3}{4}$ filled with pebbles. The mass of the box is 750 g. $\frac{2}{3}$ of the pebbles were removed from the box. What was the mass of the remaining pebbles?

Ans : _____ [3]

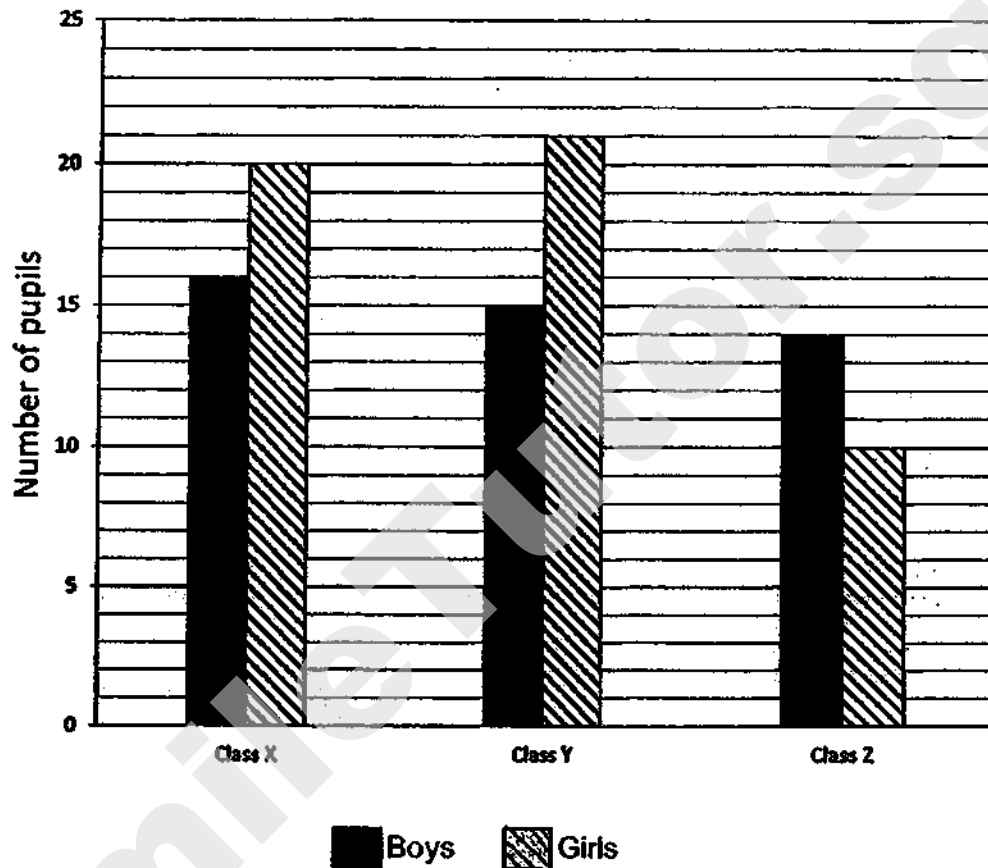
7. Mr Bala paid \$7410 for 5 mobile phones and 3 laptops. 3 laptops cost as much as 8 mobile phones.
- a) What was the cost of a laptop?
- b) Mr Bala decided to buy only laptops. What was the maximum number of laptops he could buy with the same amount of money?

Ans: (a) _____ [2]

(b) _____

8. The table shows the number of boys and girls in Class X, Y and Z.

Number of boys and girls in each class



- (a) How many pupils are there in all the 3 classes?

Ans: _____ [1]

- (b) Express the total number of boys as a percentage of the total number of girls. (Round your answer to two decimal places)

Ans: _____

9. A rectangular tank measuring 45 cm by 36 cm by 20 cm was $\frac{5}{8}$ filled with water.

After some water was used to fill a few bottles with a capacity of 0.45ℓ each,
 $\frac{2}{5}$ of the water was left in the tank.

- (a) How many millilitres of water was there in the tank at first?
(b) How many bottles were filled with water?

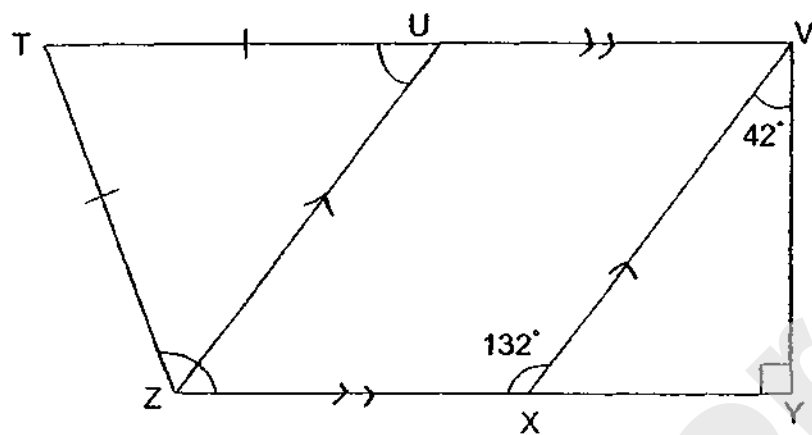
Ans: (a) _____ [1]

(b) _____ [2]

10. There were 30 questions in a Math contest. 3 marks were awarded for every correct answer. 1 mark was deducted for every wrong answer. Team RGPS scored 70 marks. How many questions did Team RGPS answer correctly?

Ans: _____ [3]

11. In the figure, UVXZ is a parallelogram. TUV and ZXY are straight lines.



Ans: (a) _____ [2]

(b) _____ [2]

12. The average height of a group of girls was 157 cm. After four boys with a total height of 700 cm joined the group, the average height of all the children increased to 163 cm.

(a) What was the average height of the boys?

(b) How many girls were there in the group?

Ans: (a) _____ [1]

(b) _____

13. An equal number of boys and girls attended a holiday camp. $\frac{2}{5}$ of the girls and some of the boys did not stay overnight for the camp. $\frac{7}{10}$ of the children stayed overnight for the camp and 176 of them were boys.

(a) What fraction of the boys were those who stayed overnight for the camp?

(b) How many children stayed overnight for the camp?

Ans: (a) _____ [1]

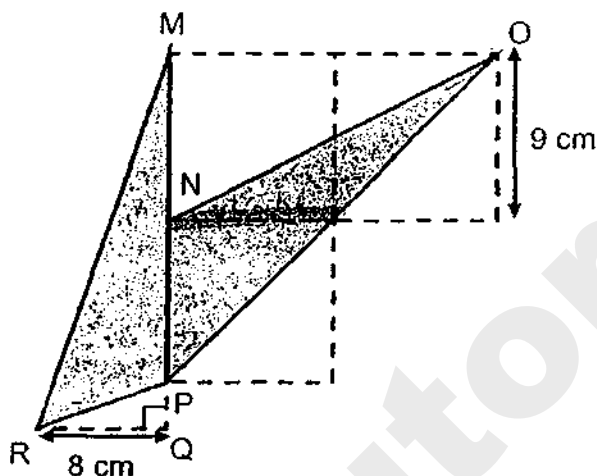
(b) _____ [3]

14. Uncle Sammy had 42 kg of coffee powder. He packed all the coffee powder into 25 big packets and 15 small packets. The mass of each big packet was 400 g more than the mass of each small packet. What was the mass of each big packet of coffee powder? (Give your answer in grams.)

Ans: _____ [4]

15. In the figure, triangle NOP was drawn within 3 identical squares of side 9 cm. RQ was 8 cm.

(a) Find the area of the shaded figure.



- (b) The shaded figure was used as a design and printed on a piece of cloth. After printing, the total shaded area of the piece of cloth was $13\,005\text{ cm}^2$. What was the length of the piece of cloth? (Give your answer in metre.)



Ans: (a) _____ [3]

(b) _____ [2]

16. For a musical performance, three types of tickets were available for sale. $\frac{2}{5}$ of the tickets were Category A tickets. The remaining tickets were for Category B and Category C in the ratio of 7 : 5. There were 224 Category A tickets.

a) How many Category C tickets were on sale?

b) The table shows the prices of the tickets.

Type of Tickets	Price of each ticket
Category A	\$90
Category B	\$60
Category C	\$40

All the tickets were sold out. What would be the total amount collected from the sale of all the tickets?

Ans: (a) _____ [3]

(b) _____ [2]

17. Kenny wanted to buy a sofa set. The table shows the usual price of sofa set sold in Shop A and Shop B.

	Price of sofa set
Shop A	\$1650
Shop B	\$1800

During a sale, there was a discount of 15% in Shop A and 20% in Shop B.

- (a) Which shop would Kenny buy the sofa set from if he wants to spend less?
- (b) Shop B decided to give a further discount of 50% for a second similar sofa set purchased. Mary bought 2 similar sofa sets from Shop B. How much did she pay for the second sofa set?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

☺ Please check your work carefully ☺

SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019SA2

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	1	2	3	4	3	2	3	3

Q 11	Q12	Q13	Q14	Q15
3	3	2	1	2

PAPER 1 BOOKLET B

Q16)	$1g = 0.001kg$ $81g = 0.081kg$
Q17)	$5\frac{4}{6} = 5\frac{2}{3}$
Q18)	$18 + 60 \div 3 \times 2 = 18 + 20 \times 2$ $= 18 + 40$ $= 58$
Q19)	$\angle a \rightarrow (360^\circ - 100^\circ - 90^\circ - 90^\circ) \div 2$ $= 80^\circ \div 2 = 40^\circ$
Q20)	$\frac{131}{4}kg - \frac{19}{6}kg$ $= \frac{393}{12}kg - \frac{38}{12}kg$ $= \frac{355}{12}kg$ $= 29\frac{7}{12}kg$

Q21)																						
Q22)	$5 \times \$16 = \80 <table style="margin-left: auto; margin-right: auto;"> <tr> <td>B</td><td>:</td><td>E</td><td>:</td><td>H</td><td>:</td><td>Total</td></tr> <tr> <td>5</td><td>:</td><td>1</td><td>:</td><td>4</td><td>:</td><td>10 ($\times 8$)</td></tr> <tr> <td>40</td><td>:</td><td>8</td><td>:</td><td>32</td><td>:</td><td>80</td></tr> </table> <p style="text-align: center;">Ans: \$32</p>	B	:	E	:	H	:	Total	5	:	1	:	4	:	10 ($\times 8$)	40	:	8	:	32	:	80
B	:	E	:	H	:	Total																
5	:	1	:	4	:	10 ($\times 8$)																
40	:	8	:	32	:	80																
Q23)	$\frac{1}{6} = \frac{2}{12} \quad \frac{1}{4} = \frac{3}{12}$ $\frac{12}{12} - \frac{2}{12} - \frac{3}{12} = \frac{10}{12}$ <p><i>Fraction of El books</i> $\rightarrow \frac{10}{12} - \frac{3}{12} = \frac{7}{12}$</p> <p><i>No. of El books</i> $\rightarrow \frac{7}{12} \times 600 = 350$</p>																					
Q24)	<p><i>carrying weights</i> $\rightarrow \frac{5}{9} \times \frac{3}{4} h = \frac{5}{12} h$</p> $\frac{3}{4} h + \frac{5}{12} h = \frac{9}{12} h + \frac{5}{12} h$ $= \frac{14}{12} h$ $= 1 \frac{2}{12} h$ $= 1 \frac{1}{6} h$																					
Q25)	$a + b + c \rightarrow 390cm - 120cm = 270cm$ $a + b \rightarrow 270cm - 80cm = 190cm$ $b \rightarrow 190cm \div 2 = 95cm$ <i>Bench A</i> $\rightarrow 95cm + 80cm = 175cm$																					
Q26)	$12cm + 8cm = 20cm$ $\frac{1}{2} \times 8cm \times 20cm = 80cm^2$																					
Q27)	$\$64 \div 2 = \32 <i>First 2h</i> $\rightarrow \$32 - \$12 = \$20$ <i>Additional hours</i> $\rightarrow \$20 \div \$5 = 4h$ $4h + 2h = 6h$																					
Q28)	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>A</td><td>:</td><td>Shaded</td><td>:</td><td>B</td></tr> <tr> <td>5</td><td>:</td><td>2</td><td>:</td><td>9</td></tr> </table> $9u = 126cm^2$ $1u \rightarrow 126cm^2 \div 9 = 14cm^2$	A	:	Shaded	:	B	5	:	2	:	9											
A	:	Shaded	:	B																		
5	:	2	:	9																		

	$5u - 2u = 3u$ <i>Whole figure</i> $\rightarrow 3u + 9u = 12u$ $12u \rightarrow 12 \times 14\text{cm}^2 = 168\text{cm}^2$
Q29)	<i>male</i> $\rightarrow 450 - 200 = 250$ <i>boys</i> $\rightarrow \frac{30}{100} \times 250 = 75$
Q30)	a) False b) Impossible to tell c) True

PAPER 2

Q1)	$\frac{103}{100} \times \$82500 = \84975
Q2)	3.45 p.m to 6.55 p.m $\rightarrow 3\text{h } 10\text{ min}$ <i>Next 2h 10 min</i> $\rightarrow 5 \times \$1.60 = \8 <i>Total</i> $\rightarrow \$2.80 + \$8 = \$10.80$
Q3)	$\angle ACD = \angle ADC = 55^\circ$ $\angle ACB \rightarrow 180^\circ - 55^\circ = 125^\circ$ $\angle ABC \rightarrow 180^\circ - 10^\circ - 125^\circ = 45^\circ$
Q4)	$1 - \frac{4}{9} = \frac{5}{9}$ $\frac{5}{9} \times 42\frac{1}{5}\text{km} = 23\frac{4}{9}\text{km}$
Q5)	<i>Faizal + Ali</i> $\rightarrow 147.5\text{kg} - 45.8\text{kg} = 101.7\text{kg}$ <i>1u</i> $\rightarrow (101.7\text{kg} - 2.5\text{kg}) \div 2 = 49.6\text{kg}$ <i>Faizal</i> $\rightarrow 49.6\text{kg} + 2.5\text{kg} + 52.1\text{kg}$
Q6)	<i>Mass of pebbles</i> $\rightarrow 2538\text{g} - 750\text{g} = 1788\text{g}$ $1 - \frac{2}{3} = \frac{1}{3}$ <i>remaining pebbles</i> $\rightarrow \frac{1}{3} \times 1788\text{g} = 596\text{g}$
Q7)	a) $8M = 3L$ $5M + 3L = 5M + 8M = \$7410$ $13M = \$7410$ $1M \rightarrow \$7410 \div 13 = \570

	$5M \rightarrow 5 \times \$570 = \$2850$ $3L \rightarrow \$7410 - \$2850 = \$4560$ $1L \rightarrow \$4560 \div 3 = \1520 $b) \$7410 \div \$1520 = 4R\$1330$ <i>Ans: 4</i>
Q8)	$a) 16 + 20 + 15 + 21 + 14 + 10 = 96$ $b) \text{Total Boys} \rightarrow 16 + 15 = 31$ $\text{Total Girls} \rightarrow 20 + 21 + 10 = 51$ $\frac{45}{51} \times 100\% \approx 88.24\%$
Q9)	$a) \frac{5}{8} \times 45\text{cm} \times 36\text{cm} \times 20\text{cm} = 20250\text{cm}^3 = 20250\text{ml}$ $b) 0.45\text{l} = 450\text{ml}$ $\text{Water used} \rightarrow \frac{3}{5} \times 20250\text{ml} = 12150\text{ml}$ $\text{No. of bottles} \rightarrow 12150\text{ml} \div 450\text{ml} = 27$
Q10)	$\text{Total marks if all were correct} \rightarrow 30 \times 3 = 90$ $\text{marks lost} \rightarrow 90 - 70 = 20$ $\text{marks lost for every wrong ans} \rightarrow 3 + 1 = 4$ $\text{no. of wrong ans} \rightarrow 20 \div 4 = 5$ $\text{answered correctly} \rightarrow 30 - 5 = 25$
Q11)	$a) \angle TUZ \rightarrow 180^\circ - 132^\circ = 48^\circ$ $b) \angle TZU = \angle TUZ = 48^\circ$ $\angle UZX \rightarrow 180^\circ - 132^\circ = 48^\circ$ $\angle TZX \rightarrow 48^\circ + 48^\circ = 96^\circ$
Q12)	$a) 700\text{cm} \div 4 = 175\text{cm}$ $b) 175\text{cm} - 163\text{cm} = 12\text{cm}$ $163\text{cm} - 157\text{cm} = 6\text{cm}$ $12\text{cm} \times 4 = 48\text{cm}$ $\text{no. of girls} \rightarrow 48\text{cm} \div 6\text{cm} = 8$
Q13)	$a) \text{Fraction of the boys who stayed} \rightarrow \frac{4}{5}$ $b) 4u = 176$ $1u - 176 \div 4 = 44$ $\text{Total children who stayed} \rightarrow 7u$ $= 7 \times 44 = 308$
Q14)	$42\text{kg} = 42000\text{g}$ $25B + 15S = 25u + 15u + (25 \times 400\text{g})$

	$= 40u + 10000g$ $= 42000g$ $40u \rightarrow 42000g - 10000g = 32000g$ $1u \rightarrow 32000g \div 40 = 800g$ $1B \rightarrow 1u + 400g$ $= 800g + 400g$ $= 1200g$
Q15)	$a) \frac{1}{2} \times 9cm \times 9cm = 40.5cm^2$ $\Delta ONP \rightarrow 40.5cm^2 + 40.5cm^2 = 81cm^2$ $\Delta MRP \rightarrow \frac{1}{2} \times 8cm \times 18cm = 72cm^2$ $Shaded\ area \rightarrow 72cm^2 + 81cm^2 = 153cm^2$ $b) 13005cm^2 \div 153cm^2 = 85$ $8cm + 9cm + 9cm = 26cm$ $Length\ of\ cloth \rightarrow 85 \times 26cm = 2210m = 22.1m$
Q16)	$a) \frac{3}{5} \text{ of the tickets} \rightarrow 7u + 5u = 12u \quad A : B :$ C $\frac{2}{5} \text{ of the tickets} \rightarrow \frac{2}{3} \times 12u = 8u \quad 8 : 7$ $: 5 (\times 28)$ $Ans: 140 \quad 224 : 196$ $: 140$ $b) (224 \times \$90) + (196 \times \$60) + (140 \times \$40)$ $= \$37520$
Q17)	$a) Shop\ A \rightarrow \frac{85}{100} \times \$1650 = \$1402.50$ $Shop\ B \rightarrow \frac{80}{100} \times \$1800 = \$1440$ $Ans : Shop\ A$ $b) 1st\ sofa \rightarrow \1440 $2nd\ sofa \rightarrow \frac{50}{100} \times \$1440 = \$720$



RED SWASTIKA SCHOOL

2019 SEMESTRAL ASSESSMENT 2

MATHEMATICS PAPER 1

Name : _____ ()

Class : Primary 5 / _____

Date : 25 Oct 2019

BOOKLET A

15 Questions

20 Marks

Duration of Paper 1 (Booklets A & B): 1 hour

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
 - (a) Page 1 to Page 6
 - (b) Questions 1 to 15
6. You are not allowed to use a calculator.

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Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the
Optical Answer Sheet. (20 marks)

- 1 There were 313 098 tourists to Sentosa last month. Express this number to the nearest ten thousand.

(1) 300 000
(2) 310 000
(3) 313 000
(4) 314 000

- 2 Which of the following is equal to $4\frac{3}{8}$?

(1) $\frac{12}{8}$
(2) $\frac{15}{8}$
(3) $\frac{20}{8}$
(4) $\frac{35}{8}$

- 3 Find the value of $45 \div 100$.

(1) 4.5
(2) 0.45
(3) 0.045
(4) 450

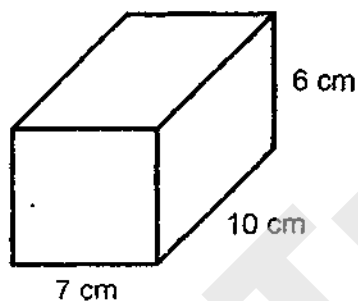
- 4 What is 23.03 kg in kilograms and grams?

(1) 2 kg 303 g
(2) 23 kg 3 g
(3) 23 kg 30 g
(4) 23 kg 300 g

- 5 The sum of two numbers is 48.6. One of the numbers is 9 times the other. What is the smaller number?

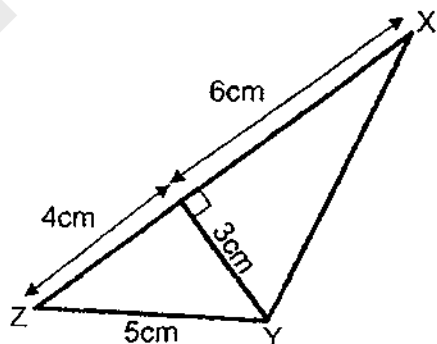
- (1) 5.4
- (2) 4.86
- (3) 6.075
- (4) 437.4

- 6 What is the volume of the cuboid?



- (1) 102 cm^3
- (2) 112 cm^3
- (3) 324 cm^3
- (4) 420 cm^3

- 7 What is the area of the triangle XYZ as shown in the figure below?



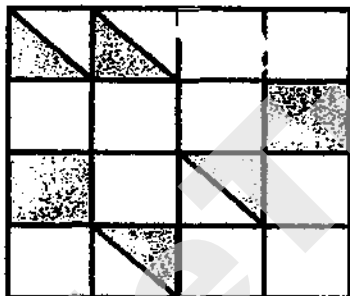
- (1) 15 cm^2
- (2) 25 cm^2
- (3) 30 cm^2
- (4) 50 cm^2

- 8 What is the missing number in the box?

$$18 : 63 = 2 : \square$$

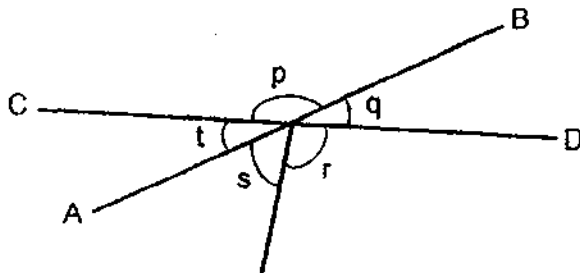
- (1) 9
- (2) 8
- (3) 7
- (4) 6

- 9 What percentage of the figure is shaded?



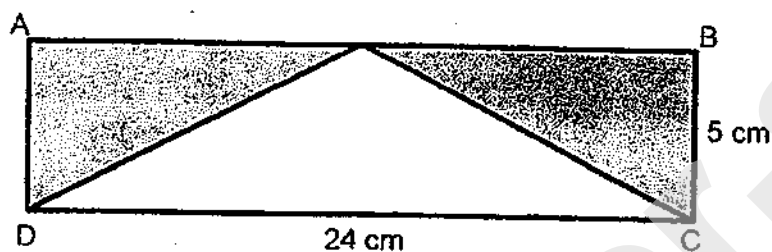
- (1) 75 %
- (2) 50 %
- (3) 40 %
- (4) 25 %

- 10 In the figure below, AB and CD are straight lines. Which one of the following statements is true?

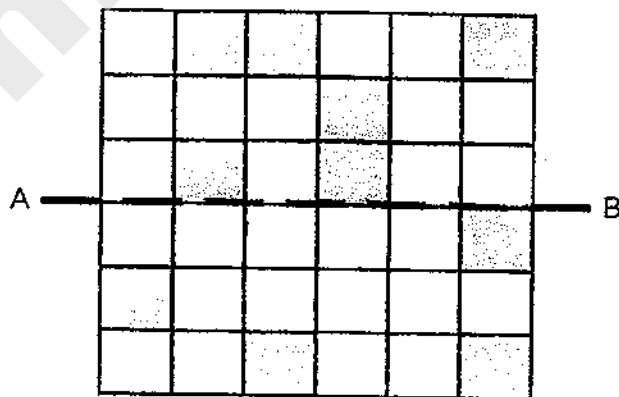


- (1) $p = r$
- (2) $t = q$
- (3) $s = t$
- (4) $r = q$

- 11 Harold cut out three triangles. He joined them to form the rectangle ABCD shown below. BC = 5 cm and CD = 24 cm. Find the total area of the shaded parts.



- (1) 15 cm^2
 (2) 30 cm^2
 (3) 40 cm^2
 (4) 60 cm^2
- 12 The figure below shows 10 shaded squares. How many more squares must be shaded so that the line AB becomes a line of symmetry?

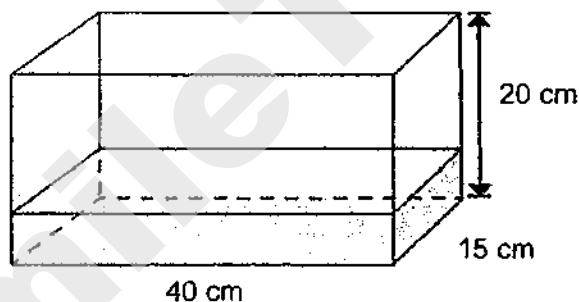


- (1) 7
 (2) 6
 (3) 5
 (4) 4

- 13 Mei Mei had some coins in her purse. The coins were either 50-cent coins or 20-cent coins. There were twice as many 20-cent coins as 50-cent coins in the purse. The total value of all her coins was \$9. How many coins were there in her purse altogether?

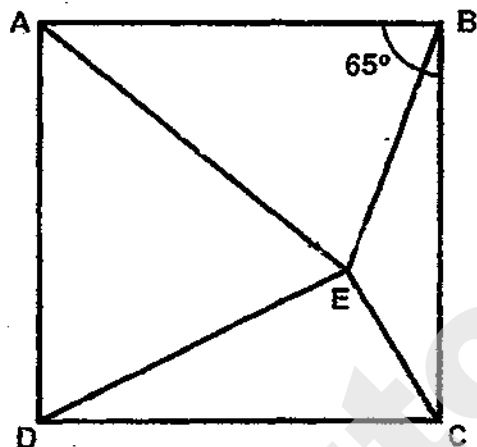
- (1) 10
- (2) 20
- (3) 30
- (4) 60

- 14 A rectangular tank measuring 40 cm by 15 cm by 20 cm is $\frac{2}{5}$ filled with water. How much more litres of water is needed to fill the tank to 50% of the capacity?



- (1) 1.2l
- (2) 4.8l
- (3) 6.0l
- (4) 7.2l

- 15 In the figure, Square ABCD is made up of 4 triangles, $AB = AE = AD$ and $\angle ABE = 65^\circ$. Find $\angle AED$.



- (1) 40°
- (2) 50°
- (3) 65°
- (4) 70°



RED SWASTIKA SCHOOL

2019 SEMESTRAL ASSESSMENT 2

MATHEMATICS PAPER 1

Name : _____ ()

Class : Primary 5 / _____

Date : 25 Oct 2019

BOOKLET B

15 Questions
25 Marks

In this booklet, you should have the following:

- (a) Page 7 to Page 13
- (b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		25
TOTAL		45

Parent's Signature : _____

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

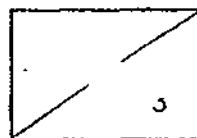
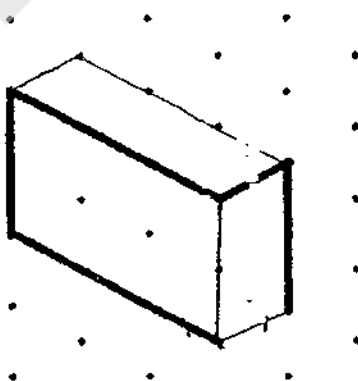
- 16 Find the value of $50 - 4 \times 2 \div (3 + 5)$.

Ans: _____

- 17 Find the product of 6400 and 800.

Ans: _____

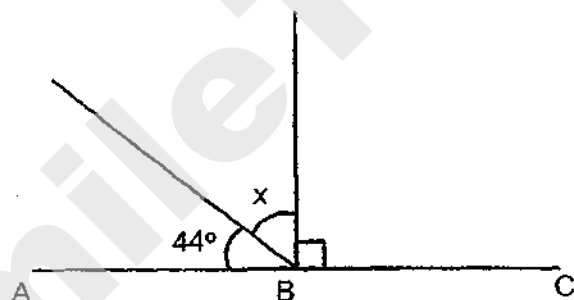
- 18 Complete the drawing of the cuboid.



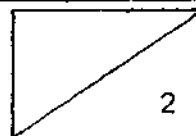
- 19 Jerry can do 81 push-ups in 3 minutes. At this rate, how many push-ups can he do in one minute?

Ans: _____

- 20 ABC is a straight line. Find $\angle x$.



Ans: _____



Questions 21 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

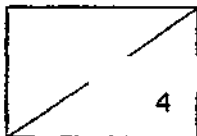
(20 marks)

21 What is $18 \times \frac{8}{3}$?

Ans: _____

-
- 22 Mrs Mary bought 500 identical sets of colour pencils for \$2.50 each. What was the cost of all the colour pencils?

Ans: \$ _____

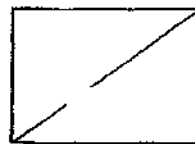


23 What is 19008 *ml* in litres?

Ans: _____ *l*

24 How many 2-cm cubes can be fitted into a box 20 cm by 23 cm by 10 cm?

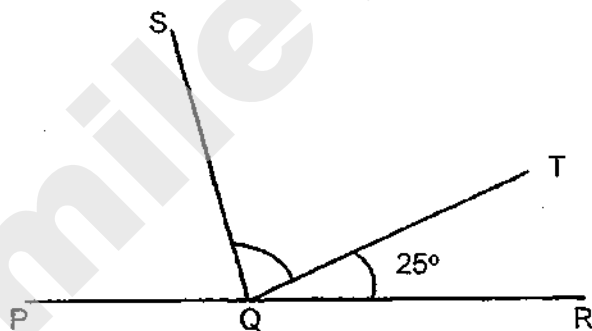
Ans: _____



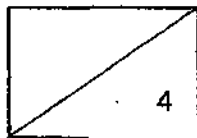
- 25 Ashley, Barbie and Carman had some K-pop cards in the ratio 4 : 7 : 3. Ashley gave half of her cards to Barbie and Barbie gave 40 of her cards to Carman. In the end, Carman had 4 times as many cards as Ashley. How many K-pop cards did Barbie have in the end?

Ans: _____

- 26 PQR is a straight line. $\angle TQR = 25^\circ$ and $\angle SQP$ is thrice of $\angle TQR$. Find $\angle SQT$.



Ans: _____



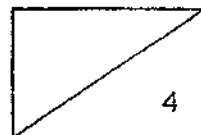
- 29 Mr Lee poured 4 cups of water into an empty square-based container of side 10 cm and height 20 cm. As a result, the container was only $\frac{1}{4}$ filled with water. How much water did each cup contain?

Ans: _____ ml

- 30 Shawn took a total of 20 ml of cough medicine on Saturday. He took 5 ml of the medicine every 5 hours. Shawn started taking the medicine at 7.15 a.m. What time did he take the last 5 ml of the medicine that day?

Ans: _____

END OF PAPER





RED SWASTIKA SCHOOL
2019 SEMESTRAL ASSESSMENT 2
MATHEMATICS
PAPER 2

Name : _____ (

Class : Primary 5 / _____

Date : 25 Oct 2019

17 Questions

55 Marks

Duration of Paper 2: 1 hour 30 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
(a) Page 1 to Page 13
(b) Questions 1 to 17
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		45
PAPER 2		55
TOTAL		100

Parent's Signature : _____

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Questions 1 to 5 carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

- 1 Hamid's scores for 5 games are shown in the table below.

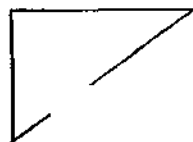
Game	1st	2nd	3rd	4th	5th
Score	3	1	0	10	9

Find his average score for the 5 games.

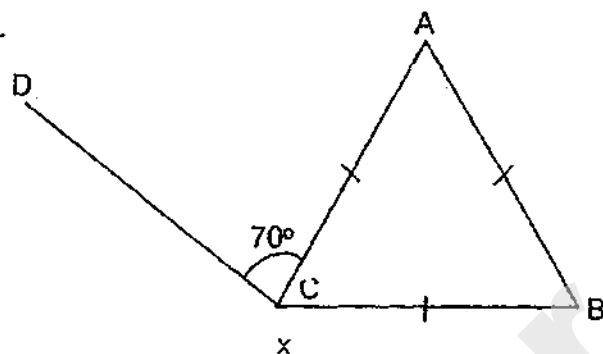
Ans: _____

- 2 Find the volume of a cube of edge 8 cm.

Ans: _____ cm³

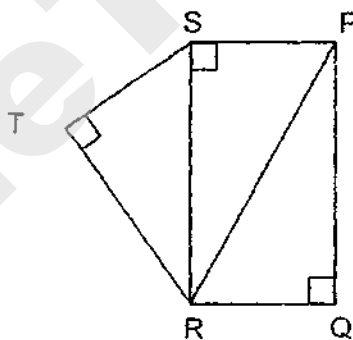


- 3 In the figure below, CD is a straight line. ABC is an equilateral triangle. Find $\angle x$.



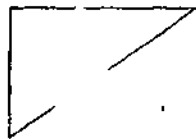
Ans: _____

- 4 In the figure below not drawn to scale, PQRS is a rectangle and RST is a right-angled triangle.

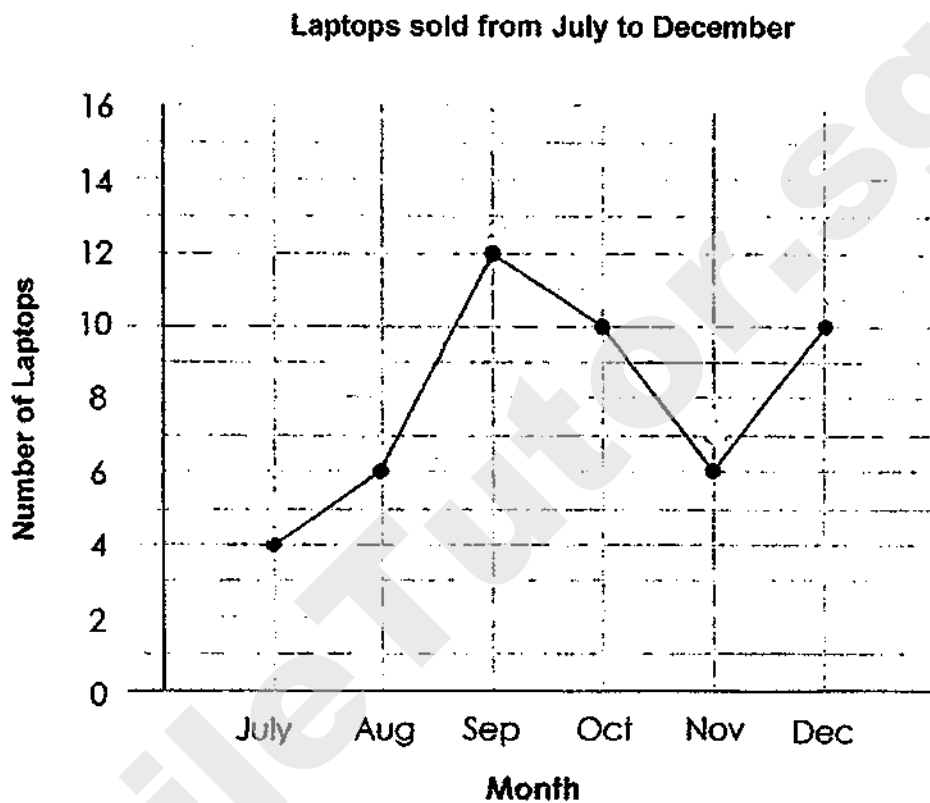


Tick whether the statement is 'True', 'False' or 'Not possible to tell' accordingly.

	True	False	Not possible to tell
a) SR is parallel to RQ.			
b) RQ is perpendicular to TR.			
c) ST is perpendicular to TR.			
d) $\angle PRQ$ is 55° .			

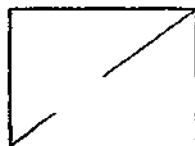


- 5 The line graph shows the number of laptops sold by a salesperson over six months.



Each laptop cost \$955. How much money was collected from the total sales of laptops from October to December?

Ans: \$ _____



For Questions 6 to 17, show your workings clearly in the space below each question and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question.

(45 marks)

- 6 Lita needs 100 pieces of ribbons, each 50 cm, to wrap some presents. Ribbons is sold in roll of 15 m each. What is the least number of rolls of ribbon that Lita needs to buy?

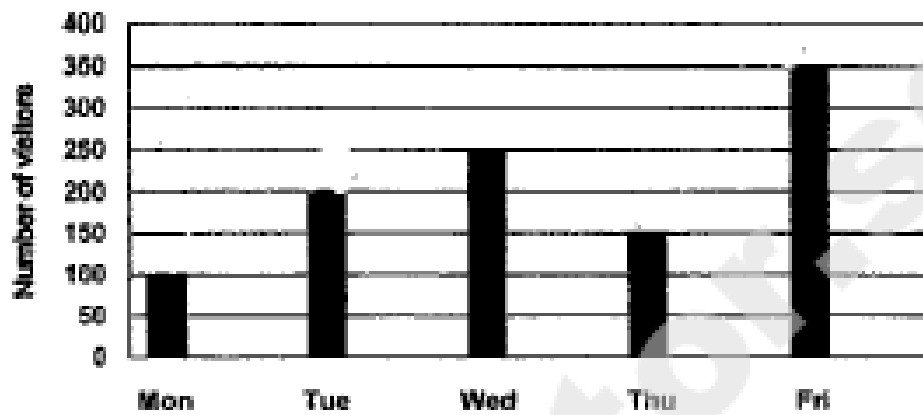
Ans: _____ [3]

- 7 A glass jar contains red, blue and yellow M&M chocolates. $\frac{1}{4}$ of the chocolates are blue. $\frac{4}{9}$ of the remaining chocolates are yellow. What fraction of the chocolates in the glass jar are red?

Ans: _____ [3]



- 8 The bar graph shows the number of visitors to the ZOOMov playground from Monday to Friday last week.



- (a) What was the average number of visitors from Monday to Friday last week?
- (b) The average number of visitors on Saturday and Sunday was 50 more than the average numbers of visitors from Monday to Friday. What was the total number of visitors on Saturday and Sunday?

Ans: (a) _____ [1]

(b) _____ [2]

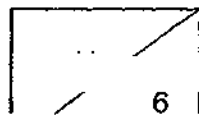


- 9 Water flows from a tap at a rate of 17 l every 5 minutes. At this rate, how long will it take for the tap to fill an empty tank with 136 l of water?

Ans: _____ [3]

- 10 A rope of length 23.4 m was cut into three pieces. The first piece was thrice as long as the third piece. The third piece was twice as long as the second piece. What was the length of the longest piece of rope? Give your answer in centimetres.

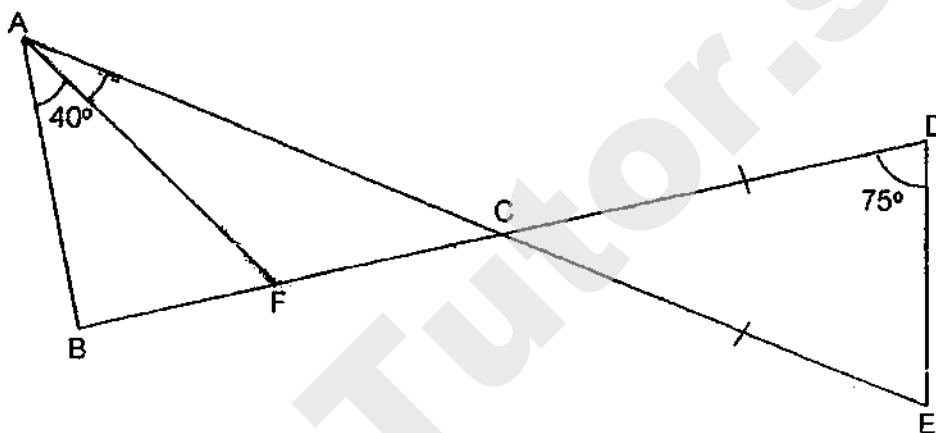
Ans: _____ [3]



- 11 The figure below is made up a right-angled triangle ABC and an isosceles triangle CDE. ACE and BFCD are straight lines. $\angle BAF$ is 40° and $\angle CDE$ is 75° .

(a) Find $\angle AFC$.

(b) Find $\angle FAC$.



Ans: (a) _____ [1]

(b) _____ [2]



- 12 Jasmine went into a restaurant and ordered a set lunch which cost \$25. When she paid at the cashier, she was given a discount of 20% for the set lunch but there was an additional of GST 7% that she had to pay after the discount. In the end, how much did Jasmine spend on her lunch?

Ans: _____ [4]

- 13 A delivery company earned \$3.50 for every vase delivered safely. For every vase damaged during delivery, the company had to pay \$7.50. Mr Ahmad ordered 140 vases but he only paid the delivery company \$413 as some vases were damaged during delivery.

- (a) How much did the delivery company lose because of the damaged vases?
(b) How many vases were damaged?

Ans: (a) _____ [2]

(b) _____ [3]



- 14 The amount of time taken by 4 students to complete their homework is given in the table below.

Name	Time taken
Siti	1.5 hr
Jonathan	1 hr 20 min
Matthew	98 min
Ahmad	?

- (a) Ahmad was 25 minutes slower than Matthew in completing his homework. What was the time taken by Ahmad to complete his homework? Give your answer in hours and minutes.
- (b) Who was the first to complete his/her homework?
- (c) Find the average time taken by the 4 students to complete their homework. Give your answer in minutes.

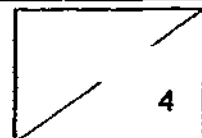
Ans: (a) _____ [2]

(b) _____ [1]

(c) _____ [2]

- 15 246 girls and 460 boys signed up for a Mathematics competition. On the actual day of the competition, some boys were absent. As a result, the ratio of the number of girls to the number of boys taking part in the competition was 6 : 11. How many boys were absent for the competition?

Ans: _____ [4]



- 16 Rita had some money. She spent $\frac{1}{4}$ of her money on 9 notebooks and 9 pens. The cost of each notebook is 3 times the cost of each pen. Then, she decided to buy some more notebooks with $\frac{5}{8}$ of her original sum of money. How many notebooks did Rita buy altogether?

Ans: _____ [4]



- 17 A T-block is made up of 6 units squares and has a perimeter of 14 units. The following patterns are made up of such T-blocks joined in single rows.



1 – T Block



2 – T Block



3 – T Block

- (a) Fill in the missing numbers in the table below.

[2]

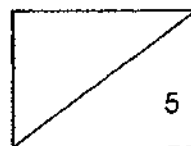
Block	Unit Squares	Perimeter (units)
1 – T	6	14
2 – T	12	20
3 – T	18	
4 – T	24	

- (b) How many unit squares are there in 100 – T Block?
- (c) What is the perimeter of a 20 – T Block?

Ans: (b) _____ [1]

(c) _____ [2]

END OF PAPER



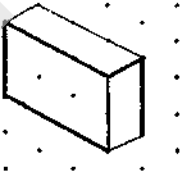
SCHOOL : RED SWASTIKA PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA2

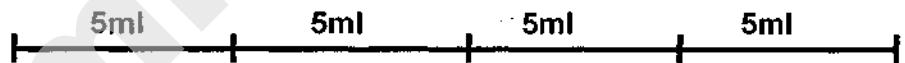
PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	2	3	2	4	1	3	4	2

Q 11	Q12	Q13	Q14	Q15
4	2	3	1	4

PAPER 1 BOOKLET B

Q16)	$50 - 8 \div 8 = 50 - 1 = 49$
Q17)	$6400 \times 800 = 5120000$
Q18)	
Q19)	$81 \div 3 = 27$
Q20)	$90^\circ - 44^\circ = 46^\circ$
Q21)	$\frac{18}{1} \times \frac{8}{3} = 48$
Q22)	$\$2.50 \times 500 = \1250
Q23)	19.008l
Q24)	<i>length</i> : $20 \div 2 = 10$ <i>width</i> : $23 \div 2 = 11.5 \approx 11$

	$height : 10 \div 2 = 5$ $10 \times 11 \times 5 = 550$
Q25)	$A \rightarrow 4 \div 2 = 2 \text{ now}$ $C \rightarrow 2 \times 4 = 8 \text{ now}$ $B \rightarrow (4 + 7 + 3) - 8 - 2 = 4 \text{ now}$ $New \text{ ratio} \rightarrow A:2 \ B:4 \ C:8$ $B \text{ after } A \text{ give } 2 + 7 = 9 \quad 9 - 4 = 5 \quad 8 - 5 = 3$ $40 \rightarrow 5u$ $1u \rightarrow 40 \div 5 = 8$ $4u \rightarrow 8 \times 4 = 32$
Q26)	$\angle SQP \rightarrow 25^\circ \times 3 = 75^\circ$ $\angle SQP + \angle TQR \rightarrow 75^\circ + 25^\circ = 100^\circ$ $\angle SQT \rightarrow 180^\circ - 100^\circ = 80^\circ$
Q27)	$9540 - 9405 = 135$
Q28)	$\triangle XYZ \rightarrow 12 \times 6 = 72$ $\triangle DEF \rightarrow 12 \times 3 = 36$ $Shaded \rightarrow (72 - 36) + 12 = 36 + 12$ $= 48\text{cm}^2$
Q29)	$\frac{1}{4} \times 10 \times 10 \times 20 = \frac{1}{4} \times 100 \times 20$ $= \frac{1}{4} \times 2000$ $= 500$ $500 \div 4 = 125\text{ml}$
Q30)	 $7.15\text{am} \quad 12.15\text{pm} \quad 5.15\text{pm} \quad \text{Ans: } 10.15\text{p.m}$

PAPER 2

Q1)	$Average \rightarrow (3 + 1 + 0 + 10 + 9) \div 5 = 4.6$
Q2)	$Volume \rightarrow 8 \times 8 \times 8 = 512\text{cm}^3$
Q3)	$\angle ACB \rightarrow 180^\circ \div 3 = 60^\circ$ $\angle X \rightarrow 360^\circ - (70^\circ + 60^\circ) = 230^\circ$
Q4)	a)False b)False c)True d)Not possible to tell
Q5)	$Total \text{ laptops sales from Oct to Dec} \rightarrow 10 + 6 + 10 = 26$

	Total money collected $\rightarrow 26 \times \$955 = \24830
Q6)	Amount of ribbon needed $\rightarrow 100 \times 50 = 5000$ $5000 \div 1500 = 3.333 \approx 4$
Q7)	$1 - \frac{1}{4} = \frac{3}{4}$ $R \rightarrow 1 - \frac{4}{9} = \frac{5}{9}$ $= \frac{3}{4} \times \frac{5}{9} = \frac{5}{12}$
Q8)	a) Average $\rightarrow (100 + 200 + 250 + 150 + 350) \div 5 = 210$ b) Total on Sat & Sun $\rightarrow (210 + 50) \times 2 = 520$
Q9)	Sets of 5 min $\rightarrow 136 \div 17 = 8$ Total min $\rightarrow 8 \times 5 = 40\text{min}$
Q10)	$9u \rightarrow 23.4$ $1u \rightarrow 23.4 \div 9 = 2.6$ $6u \rightarrow 2.6 \times 6 = 15.6\text{m} = 1560\text{cm}$
Q11)	$\angle AFB \rightarrow 180^\circ - 40^\circ - 90^\circ = 50^\circ$ a) $\angle AFC \rightarrow 180^\circ - 50^\circ = 130^\circ$ $\angle DCE \rightarrow 180^\circ - 75^\circ - 75^\circ = 30^\circ$ $\angle ACF = \angle DCE = 30^\circ$ b) $\angle FAC \rightarrow 180^\circ - 30^\circ - 130^\circ = 20^\circ$
Q12)	$100\% - 20\% = 80\%$ Discount set meal without GST $\rightarrow 80\% \times 25 = 20$ Discount set meal with GST $\rightarrow 107\% \times 20 = \21.40
Q13)	a) Vase delivery safely $\rightarrow 140 \times \$3.50 = \490 Delivery company lose $\rightarrow \$490 - \$413 = \$77$ b) Damage vase $\rightarrow 3.50 + 7.50 = 11$ $= 77 \div 11 = 7$
Q14)	a) 98 min $= 1\text{h } 38\text{min}$ $1\text{h } 38\text{min} + 25\text{min} = 1\text{h } 63\text{min} = 2\text{h } 3\text{min}$ b) Jonathan c) Total time $\rightarrow 2\text{h } 3\text{min} + 1\text{h } 20\text{min} + 1\text{h } 38\text{min} + 1\text{h } 30\text{min} = 5\text{h } 91\text{min}$ $= 6\text{h } 31\text{min}$ Average $\rightarrow 6\text{h } 31\text{min} \div 4 = 391\text{min} \div 4 = 97.75\text{min}$
Q15)	Girls came $\rightarrow 6u \rightarrow 246$ $1u \rightarrow 246 \div 6 = 41$ Boys came $\rightarrow 11u \rightarrow 41 \times 11 = 451$ Absent boys $\rightarrow 460 - 451 = 9$
Q16)	$9\text{ pens} = 3\text{ notebooks}$ $\frac{1}{4}\text{ of original money} \rightarrow 9 + 3 = 12$

$$\frac{1}{4} = \frac{2}{8}$$

Amt of $\frac{1}{8}$ original \$ can buy $\rightarrow 12 \div 2 = 6$

Amt of $\frac{5}{8}$ original \$ can buy $\rightarrow 6 \times 5 = 30$

Total altogether $\rightarrow 30 + 9 = 39$

Q17)

Block	Unit Square	Perimeter(units)
1-T	6	14
2-T	12	20
3-T	18	26
4-T	24	32

b) $6 \times 100 = 600$

c) $20-T \rightarrow 122 + 6 = 128$



Rosyth School
End-of-Year Examination 2019
Mathematics
Paper 1
Primary 5

Name: _____

Register No. _____

Class: Pr 5 - _____

Date: 31 October 2019

Parent's Signature: _____

Total Time for Booklets A and B : 1 hour

Booklet A

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Shade your answers in the Optical Answer Sheet (OAS) provided.
4. You are not allowed to use a calculator.
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

* This booklet consists of 7 pages (including this cover page).

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

1 The value of the digit 5 in 658 902 is _____.

- (1) 500
- (2) 5 000
- (3) 50 000
- (4) 500 000

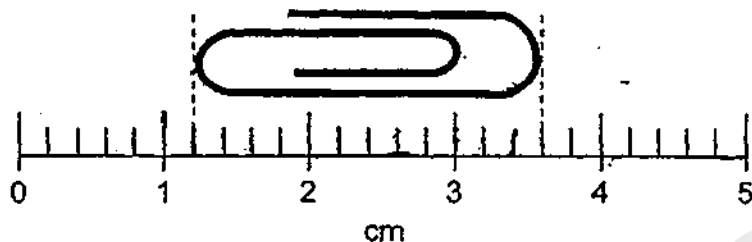
2 $\frac{9}{24} = \frac{12}{\boxed{?}}$

- (1) 21
- (2) 27
- (3) 32
- (4) 40

3 In 8.352, what does the digit 3 stand for?

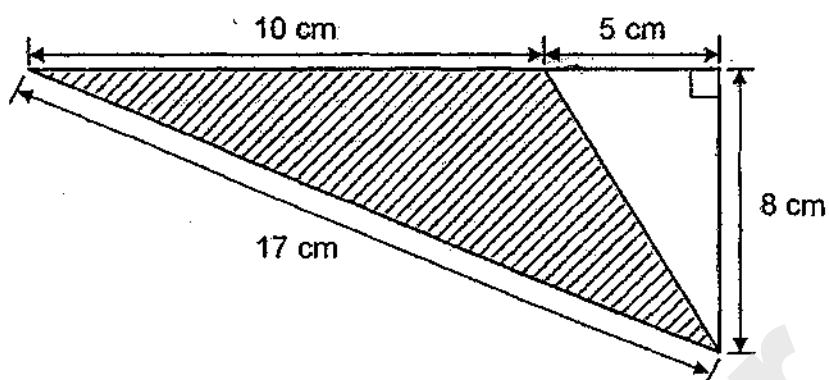
- (1) 3 tens
- (2) 3 tenths
- (3) 3 hundredths
- (4) 3 thousandths

- 4 What is the length of the paper clip in the figure below?



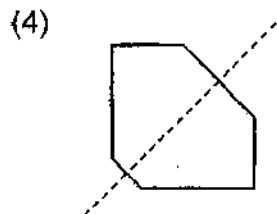
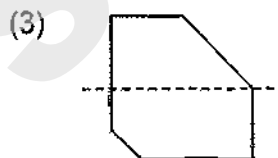
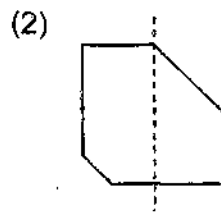
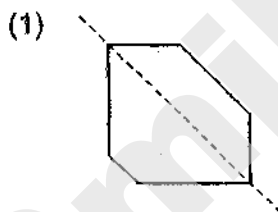
- (1) 2.2 cm
(2) 2.4 cm
(3) 3.3 cm
(4) 3.6 cm
- 5 3 days shared 60 cards in a certain ratio.
Which one of the following is not possible ratio?
- (1) 1 : 4 : 2
(2) 2 : 5 : 8
(3) 3 : 4 : 5
(4) 16 : 1 : 3
- 6 Zuraidah had \$80. She spent \$28 and saved the rest. What percentage of her money was spent?
- (1) 28%
(2) 35%
(3) 52%
(4) 65%

- 7 Find the area of the shaded triangle.

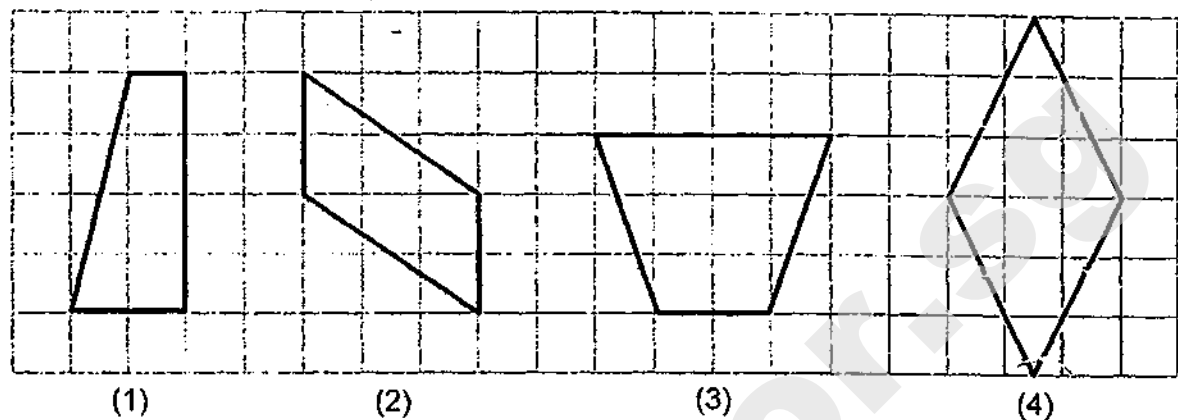


- (1) 40 cm^2
- (2) 60 cm^2
- (3) 68 cm^2
- (4) 85 cm^2

- 8 In which of the figures below is the dotted line a line of symmetry?



- 9 In the square grid below, which shape is a rhombus?



- 10 The table below shows the amount of money Kai spent.

Day	Monday	Tuesday	Wednesday	Thursday
Amount of money spent	\$42	\$36	\$30	\$32

What was the average amount of money spent by Kai?

- (1) \$35
(2) \$36
(3) \$37
(4) \$38
- 11 The charges for printing invitation cards are as follows:

Number of cards	Charge
First 100 cards	\$18
Every additional card	\$0.20

How much does it cost to print 300 cards?

- (1) \$28.00
(2) \$58.00
(3) \$60.00
(4) \$78.00

- 12 The table below shows the results of 50 pupils who took part in the first round of a contest.

Score	Number of pupils
4	3
3	10
2	15
1	8
0	14

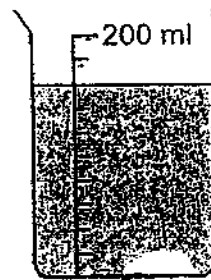
Pupils who scored at least 2 points qualified for the next round of the contest. What percentage of the pupils qualify for the next round of the contest?

- (1) 13%
- (2) 26%
- (3) 28%
- (4) 56%

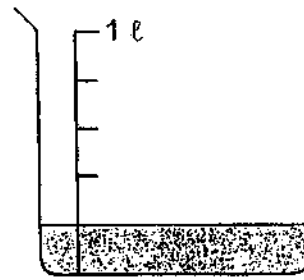
- 13 Three containers with some water are shown below. Arrange the containers in order starting with the container with the least volume of water.



A



B



C

- (1) C, A and B
- (2) B, A and C
- (3) B, C and A
- (4) A, C and B

- 14 The airmail rates to two countries are shown below.

Mass Step	Indonesia	USA
First 20 g	\$0.70	\$1.30
Every additional 10 g	\$0.25	\$0.35

Vishaal sent a letter weighing 10 g to Indonesia and a letter weighing 37 g to USA by airmail. How much did he pay altogether?

- (1) \$1.90
- (2) \$2.25
- (3) \$2.60
- (4) \$2.70

- 15 When Dani filled $\frac{1}{3}$ of a pail with water and weighed it, its mass was 1100 g. When she filled the pail completely with water, its mass was 2700 g. What was the mass of the pail when it was $\frac{1}{2}$ filled with water?

- (1) 1350 g
- (2) 1500 g
- (3) 1550 g
- (4) 1900 g



Rosyth School
End-of-Year Examination 2019
Mathematics
Paper 1
Primary 5

Name: _____

Register No. _____

Class: Pr 5 - _____

Group No.: _____

Date: 31 October 2019

Parent's Signature: _____

Total Time for Booklets A and B : 1 hour.

Booklet B

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are not allowed to use a calculator.
4. Write your answers in the booklet.
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	25	

* This booklet consists of 9 pages (including this cover page).

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

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in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

(5 marks)

16 Find the value of $5\frac{1}{2} - 3\frac{1}{4}$

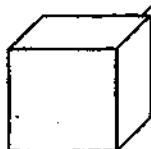
Give your answer as a mixed number in the simplest form.

Ans : _____

17 Write down one decimal between 5 and 5.1.

Ans : _____

18 What is the volume of the cube shown below?



5 cm

Ans : _____ cm³

19

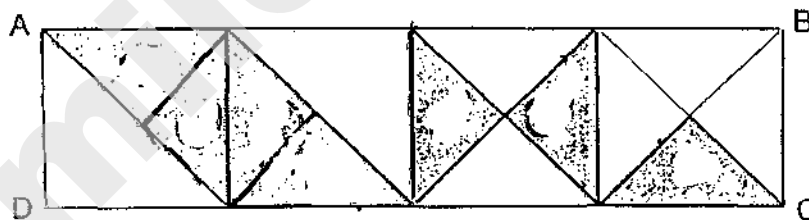
$5 : 4 = 40 : \boxed{?}$

What is the missing number?

Do not write
in this spaceAns :

20

A rectangle ABCD is made up of 4 large identical triangles and 8 small identical triangles. Find the ratio of the area of the shaded parts to the area of the unshaded parts.

Ans :

Questions 21 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.
(20 marks)

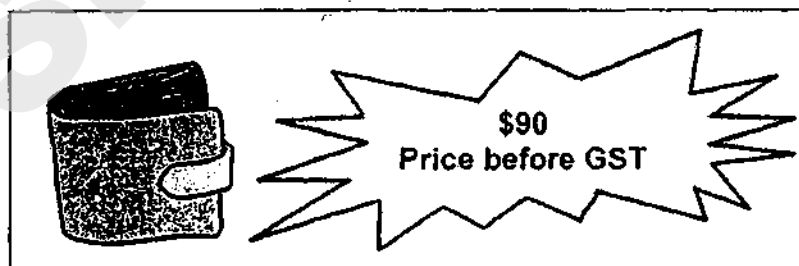
- 21 Find the value of $100 + 50 \div 5 \times 6 - 14$

Ans : _____

- 22 Find the value of $3 \div 7$. Give your answer correct to 2 decimal places.

Ans : _____

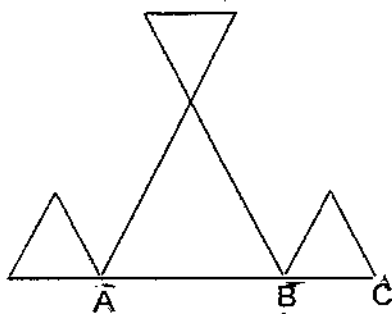
- 23 Greg bought the wallet shown below. This price does not include the 7% GST. What is the price of the wallet inclusive of GST?



Ans : \$ _____

- 24 Siti bends a piece of wire to form the shape as shown in the figure below. It is made up of 3 small identical equilateral triangles and a big equilateral triangle. The ratio of the length of AB to the length of BC is 2 : 1. The length AC is 30 cm. Find the length of the wire that Siti uses.

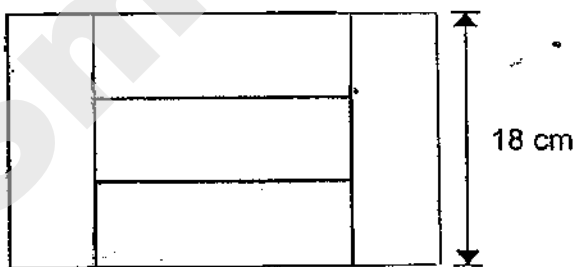
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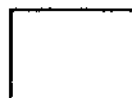
Ans : _____ cm



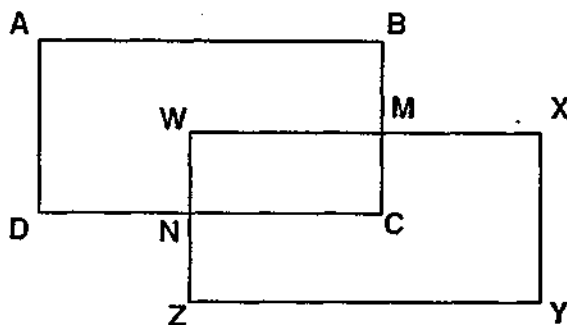
- 25 The figure below is made up of 5 identical rectangles. The length of each rectangle is 18 cm. Find the total area of the figure.



Ans ; _____ cm²

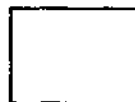


- 26 In the figure below, ABCD and WXYZ are identical rectangles. The perimeter of each rectangle is 37 cm. The perimeter of the shaded rectangle WMCN is 22 cm. Find the perimeter of the figure ABMXYZND.

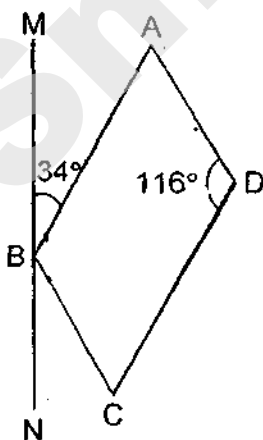


Do not write
in this space

Ans : _____ cm



- 27 In the figure below, ABCD is a parallelogram. MBN is a straight line. $\angle MBA$ is 34° and $\angle ADC$ is 116° . Find $\angle NBC$.



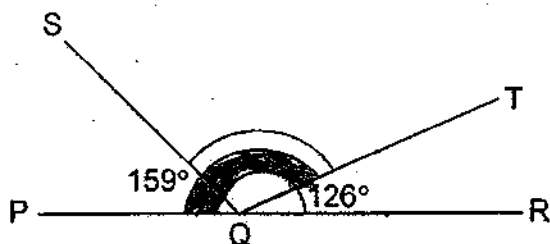
Ans : _____ °



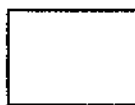
28

In the figure, PQR is a straight line, $\angle PQT = 159^\circ$ and $\angle RQS = 126^\circ$.
What is $\angle SQT$?

Do not write
in this space



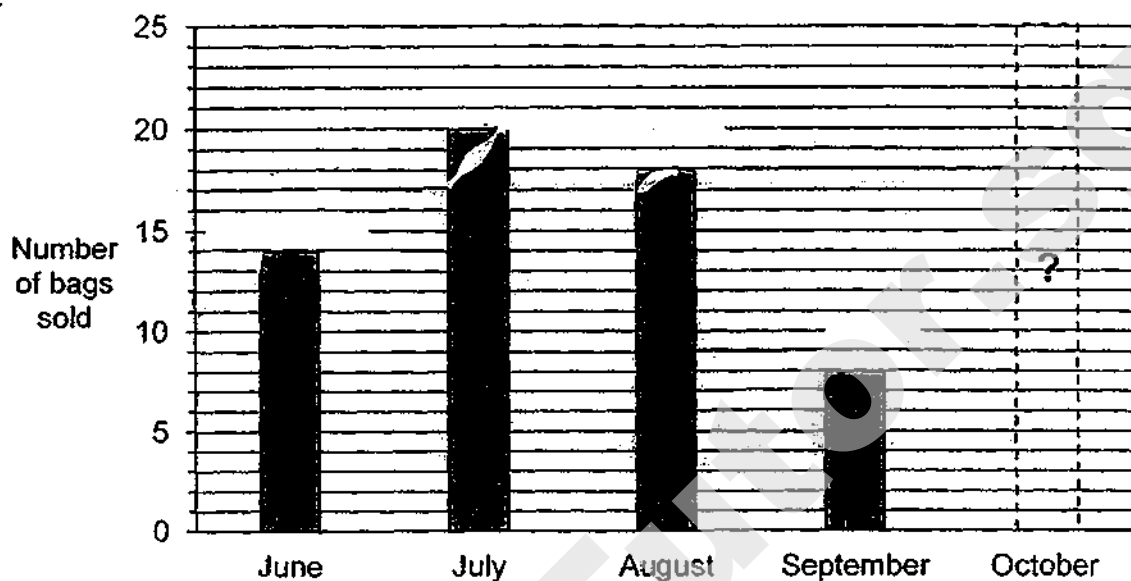
Ans : _____



29

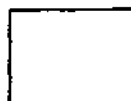
The bar graph shows the number of bags sold by a shop from June to October.

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The shop sold an average of 13 bags from June to October.
Find the number of bags sold in October.

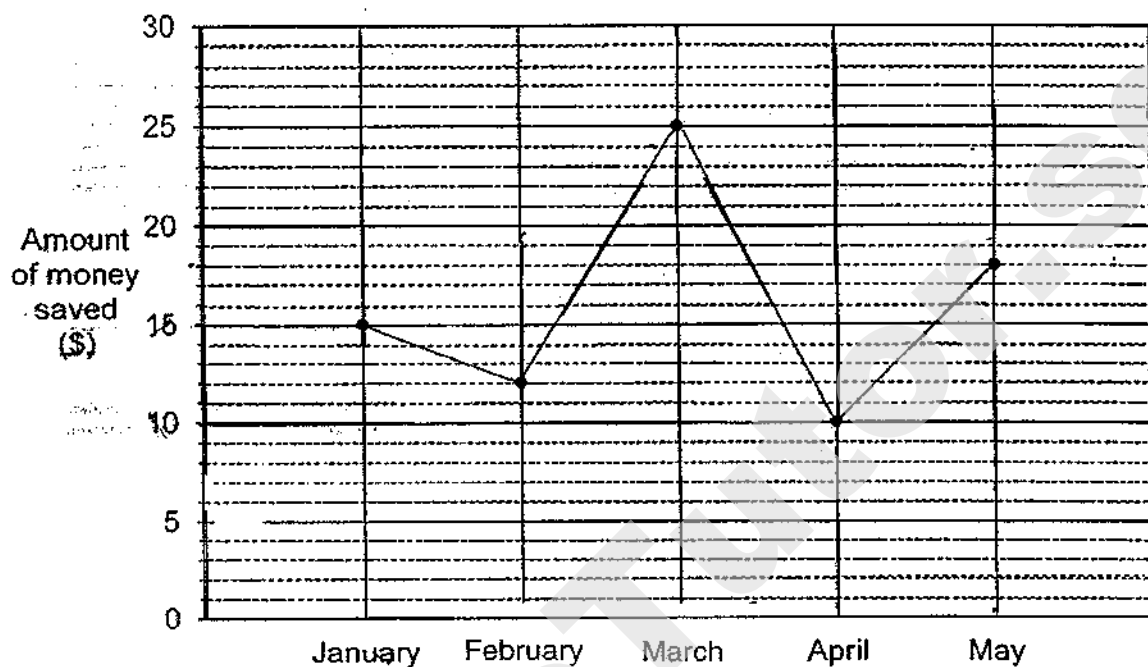
Ans _____



30

Keith received \$30 for his pocket money each month.

The line graph shows the amount of pocket money Keith saved each month from January to May.

Do not write
in this space

- (a) How much more money did Keith save in May than in February?
(b) In which month did Keith spend the most amount of money?

Ans: (a) \$ _____

(b) _____

End of paper
Have you checked your work?



Rosyth School
End-of-Year Examination 2019
Mathematics
Paper 2
Primary 5

Name: _____

Register No. _____

Class: Pr 5 - _____

Group No: _____

Date: 31 October 2019

Parent's Signature: _____

Time: 1 h 30 min

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. **Show your workings clearly** as marks are awarded for correct working.
4. Write your answers in this booklet.
5. You are allowed to use a calculator.
6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 17	45	

Section	Maximum Mark	Marks Obtained
Paper 1	45	
Paper 2	55	
Total	100	

* This booklet consists of 16 pages (including this cover page).

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

Do not write
in this space

1. A taxi service charges the following rates:

Distance travelled	Charge
First kilometer or less	\$3.50
Every 500 m thereafter or less	\$0.30

Mrs Lin paid a taxi fare of \$6.50. What was the greatest distance that Mrs Lin could have travelled in the taxi?

Ans : _____ km

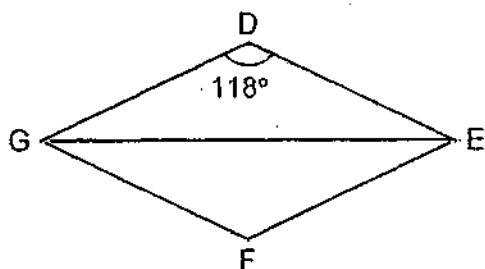
2. Rozanne bought 1500 g of cherries. How much did she pay for the cherries?

Cherries
\$1.80 per 100 g



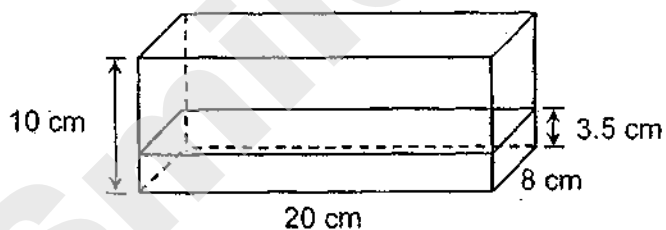
Ans : \$ _____

3. In the figure, DEFG is a rhombus and $\angle GDE = 118^\circ$. Find $\angle EGD$.



Ans : _____ °

4. A rectangular container measuring 20 cm by 8 cm by 10 cm is filled with some water. The height of the water in the container is 3.5 cm. Find the volume of water needed to fill the container to the brim.



Ans : _____ cm^3

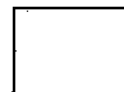
Do not write
in this space

5. The average mass of Jim, Lilian and Minah is 48 kg. Jim is 7 kg heavier than Lilian. Jim is also 5 kg heavier than Minah.

Do not write
in this space

Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
a) Minah weighs 47 kg.			
b) Asha joins the group and the average mass of the 4 children became 50 kg. Asha has the heaviest mass			



For Questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. For questions which require units, give your answers in the units stated.

(45 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

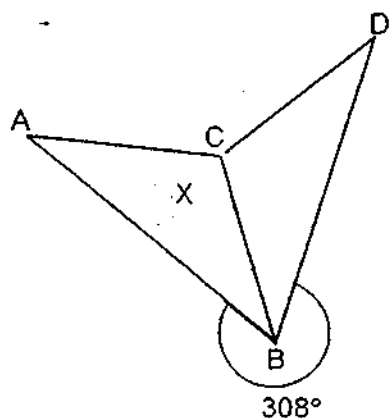
Do not write
in this space

6. The ratio of Tammy's age to her sister's age is 1 : 3. In 10 years' time, their total age will be 76 years. What is Tammy's age now?

Ans : _____ [3]



7. The figure below show two identical isosceles triangles CBA and ADB.
 $AC = CB = CD$ and $\angle ABD = 308^\circ$ Find $\angle x$.



Do not write
in this space

Ans : _____ [3]



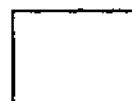
8. The table below shows the time taken by Hari to run 100 metres during his training sessions.

Attempt	1 st	2 nd	3 rd	4 th	5 th	6 th
Time Taken (in seconds)	17	18	19	15	21	?

After 5 attempts, Hari wanted to improve his average time taken by 0.5 seconds by running faster in the 6th attempt. How fast should he run in the 6th attempt in order for him to make the improvement?

Do not write
in this space

Ans : _____ [3]



9. Kylie baked 80 walnut muffins and 70 chocolate muffins. She sold 43 walnut muffins and 57 chocolate muffins. What percentage of her remaining muffins are chocolate muffins?

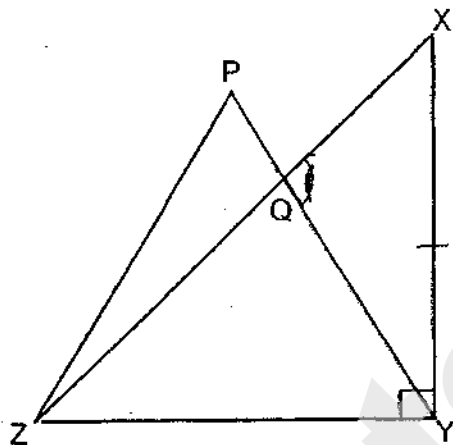
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in this space

Ans : _____ [3]

10.

In the figure below, XYZ is an isosceles triangle. $XY = YZ$ and $\angle XYZ = 90^\circ$. PYZ is an equilateral triangle.

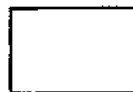
- (a) Find $\angle XZY$.
 (b) Find $\angle XQY$.



Do not write
in this space

Ans : a) _____ [1]

b) _____ [3]



11. Amanda and Germaine went travelling with a total sum of \$663. Amanda spent twice as much as Germaine. The amount of money that Germaine had left was \$28 more than what she had spent. Amanda had half as much money left as Germaine.

Do not write
in this space

(a) How much did Amanda spend?

(b) How much money did Germaine have at first?

Ans : a) _____ [3]

b) _____ [1]

☐

12.

Joey spent $\frac{2}{9}$ of her money on 3 photograph frames. She bought another 6 identical photograph frames and 10 coloured markers with the rest of her money.

- a) What fraction of her money did she spend on the 10 coloured markers? (Leave your answer in the simplest form.)
- b) How many coloured markers could she buy if she had spent all her money on coloured markers only?

Do not write
in this space

Ans : a) _____ [2]

b) _____ [2]



13.

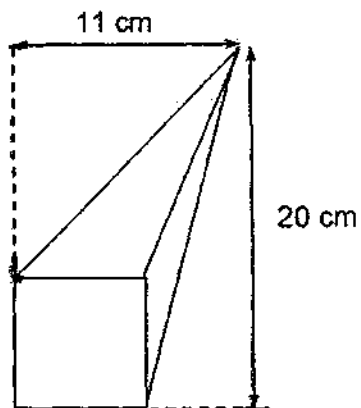
Sue used $\frac{5}{8}$ of a string to tie presents and $\frac{2}{5}$ of the remaining string for decoration. 114 cm of the string was used for decoration. What was the length of the string used to tie presents? Leave your answer in metres and centimetres.

Do not write
in this space

[4]



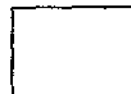
14. The figure below is made up of a square and two triangles.
The area of the square is 64 cm^2 .
- (a) Find the length of the square.
 - (b) Find the total area of the figure.



Do not write
in this space

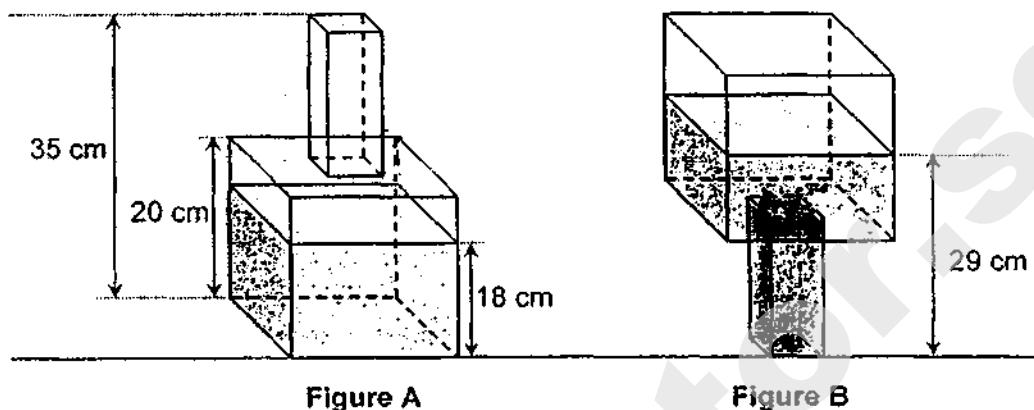
Ans : a) _____ [1]

b) _____ [3]



15. The figure shows a sealed bottle of height 35 cm. It is made from two containers. The top container is in the form of a cuboid with a square base. The bottom container is in the form of a cube of side 20 cm. The height of the water in the bottle (shown in Figure A) is 18 cm.

Do not write
in this space



When the same bottle is turned upside down (shown in Figure B), the height of the water in the bottle is 29 cm. How much water can the sealed bottle hold if it is completely filled?

Ans : _____ [3]

16

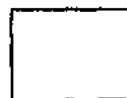
Auntie May had 327 more stickers than bookmarks. After selling $\frac{2}{3}$ of the stickers and half of the bookmarks, she had 254 stickers and bookmarks left.

- (a) How many stickers and bookmarks did Auntie May have at first?
(b) How many stickers did she sell?

Do not write
in this space

Ans : a) _____ [3]

b) _____ [2]



17. At a fruit shop, mangoes are sold at 5 for \$9 while apples are sold at 7 for \$8. Mr Teo bought an equal number of mangoes and apples. He spent \$92 more on the mangoes. How many apples did Mr Teo buy?

Do not write
in this space

Ans : _____ [5]

End of paper
Have you checked your work?

SCHOOL : ROSYTH PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA2

Paper 1
Booklet A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	3	3	2	1	2	1	4	4	1
Q11	Q12	Q13	Q14	Q15					
2	4	3	4	2					

Booklet B

Q16	$2\frac{1}{4}$
Q17	5.05
Q18	125
Q19	32
Q20	7.9
Q21	146
Q22	0.43
Q23	\$96.30
Q24	150
Q25	540
Q26	52
Q27	30
Q28	105°
Q29	5
Q30(a)	\$6
(b)	April

Paper 2

Q1 $6.50 - 3.50 = 3$ (cost of 2nd km onwards)
 $3 \div 0.30 = 10$
 $10 \times 500 = 5000$
 $5000\text{m} = 5\text{km}$
 $5 + 1 = 6$

Q2 $1500 \div 100 = 15$
 $15 \times 1.80 = 27$

Q3 $\angle DFG = 180^\circ - 118^\circ = 62^\circ$
 $\angle EGD = 62^\circ \div 2 = 31^\circ$

Q4 $10 - 3.5 = 6.5$
 $20 \times 8 \times 6.5 = 1040$

Q5 (a) ✓ True

$$\begin{aligned}48 \times 3 &= 144 \text{ (total mass)} \\144 + 5 + 7 &= 156 \\156 \div 3 &= 52 \\52 - 5 &= 47\end{aligned}$$

(b) ✓ True

$$\begin{aligned}50 \times 4 &= 200 \\52 - 7 &= 45 \\200 - 144 &= 56\end{aligned}$$

Q6 $76 - 10 - 10 = 56$
 $56 \div 4 = 14$

Q7 $\angle ABD = 360^\circ - 308^\circ = 52^\circ$
 $\angle BAC / \angle ABC = 52^\circ \div 2 = 26^\circ$
 $\angle x = 180^\circ - 26^\circ - 26^\circ = 128^\circ$

Q8 $17 + 18 + 19 + 15 + 21 = 90$ (total time)
 $90 \div 5 = 18$ (Average)
 $18 - 0.5 = 17.5$
 $17.5 \times 6 = 105$
 $105 - 90 = 15$

Q9 $80 + 70 = 150$
 $150 - 57 - 43 = 50$
 $70 - 57 = 13$
 $\frac{13}{50} \times 100\% = 26\%$

Q10 (a) $\angle XYZ + \angle ZXY = 180^\circ - 90^\circ = 90^\circ$
 $\angle XZY = 90^\circ \div 2 = 45^\circ$

(b) $\angle QYX = 90^\circ - 60^\circ = 30^\circ$
 $\angle XQY = 180^\circ - 30^\circ - 45^\circ = 105^\circ$

Q11 (a) $9 \text{ units} = 663 - 14$
 $= 621$
 $1 \text{ unit} = 621 \div 9$
 $= 69$
 $4 \text{ units} = 69 \times 4$
 $= 276$

(b) $267 + 28 = 304$

Q12 (a) $\frac{2}{9}$ of the total amount of money \rightarrow 3 photo frames
 $\frac{4}{9}$ of the total amount of money \rightarrow 6 photo frames
 $4 + 2 = 6$
 $9 - 6 = 3$ (the rest of the money)
 $\frac{3}{9} = \frac{1}{3}$
 (b) $\frac{3}{9}$ of the total money \rightarrow 10 coloured markers
 $\frac{2}{9}$ of the total money $\rightarrow 10 \times 3 = 30$ coloured markers

Q13

presents	remaining	Total
5×5 25	3×5 15	8×5 40
	5×3 15	
25	2×3 6 3×3 9	40

$6 \text{ units} = 114$ (for decoration)
 $1 \text{ unit} = 19$
 $25 \text{ units} = 19 \times 25 = 475$
 $475\text{cm} = 4\text{m } 75\text{cm}$

Q14 (a) $\sqrt{64} = 8$
 (b) $20 - 8 = 12$
 $11 - 8 = 3$
 $\frac{1}{2} \times 8 \times 12 = 48$
 $\frac{1}{2} \times 8 \times 3 = 12$

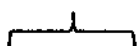
Q15 $35 - 20 = 15$
 $20 \times 20 \times 18 = 7200$ (amount of water)
 $29 - 15 = 14$
 $20 \times 20 \times 14 = 5600$ (Volume of water in cube container in Figure B)
 $7200 - 5600 = 1600$ (Volume of water in the cuboid)
 $20 \times 20 \times 20 = 8000$ (Capacity of the cube)
 $8000 + 1600 = 9600$

Q16

u - units p - parts	Stickers	Bookmarks
At first	3u	2p
Sold	2u	1p
Left	1u	1p

(a) $3u = 2p + 327$ (more stickers than bookmarks)

$\times 3 \left(\begin{array}{l} 1u + 1p = 254 \text{ (left)} \\ (3u) + 3p = 762 \end{array} \right.$



$$2p + 327 + 3p = 762$$

$$5p = 762 - 327$$

$$= 435$$

$$1p = 87$$

$$2p = 174 \text{ (bookmarks)}$$

$$174 + 327 = 501 \text{ (Stickers)}$$

$$501 + 174 = 675 \text{ (total)}$$

(b) $254 - 87 = 167$
 $167 \times 2 = 334$

Q17

Mangoes	Apples
5 for \$9	7 for \$8
35 for \$63	35 for \$40

$$63 - 40 = 23 \text{ (1 group difference)}$$

$$92 \div 23 = 4 \text{ (groups)}$$

$$4 \times 35 = 140$$

SINGAPORE CHINESE GIRLS' SCHOOL
SECOND SEMESTRAL ASSESSMENT 2019

PRIMARY 5

MATHEMATICS
PAPER 1

BOOKLET A

Name : _____ ()

Class : Primary 5 SY/C/G/SE/P

22 October 2019

		Marks attained	Max Mark
Paper 1	Booklet A		20
	Booklet B		25
Paper 2			55
Total Marks			100

Parent's Signature

15 Questions
20 Marks

Total Time for Booklets A and B: 1 h

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so.

Follow all instructions carefully.

Answer all questions.

You are not allowed to use a calculator

SmileTutor.sg

Booklet A

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.
(20 marks)

1. Which one of the following has the digit '1' in the ten thousands place?

- (1) 370 518
- (2) 586 103
- (3) 613 058
- (4) 861 350

2. How many sixths are there in $3\frac{1}{3}$?

- (1) 8
- (2) 10
- (3) 14
- (4) 20

3. Express $\frac{7}{8}$ as a decimal.

- (1) 0.780
- (2) 0.875
- (3) 1.143
- (4) 7.800

4. What fraction of 2 km is 50 m?

- (1) $\frac{1}{4}$
- (2) $\frac{2}{5}$
- (3) $\frac{1}{25}$
- (4) $\frac{1}{40}$

5. Arrange the following numbers from the largest to the smallest.
4, 0.8, 5.01, 3.9

- (1) 4, 5.01, 0.8, 3.9
- (2) 0.8, 3.9, 4, 5.01
- (3) 5.01, 4, 3.9, 0.8
- (4) 0.8, 4, 5.01, 3.9

6. Express $\frac{2}{3} \times \frac{5}{6}$ in simplest form

- (1) $\frac{5}{18}$
- (2) $\frac{5}{9}$
- (3) $\frac{7}{9}$
- (4) $1\frac{2}{3}$

7. What is 5% of 600?


- (1) 30
- (2) 120
- (3) 300
- (4) 3000

8. There are 8 chocolates and 12 sweets in a container. What is the ratio of the number of chocolates to the total number of chocolates and sweets.

- (1) 2 : 3
- (2) 2 : 5
- (3) 3 : 5
- (4) 5 : 2

9. Given that $17.25 \times 4 = 69$, find the missing number below.

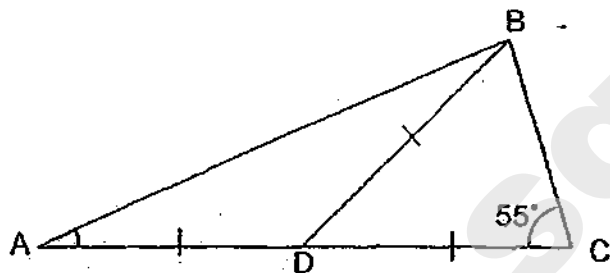
$$\underline{\hspace{2cm}} \times 40 = 69$$

- (1) 1.725
(2) 17.25
(3) 172.5
(4) 1725
10. The figure below shows 2 identical rectangles, A and B. Given that the unshaded area of A is 4 times the shaded area, what is the ratio of the shaded area to the area of the figure?
- 
- (1) 1 : 5
(2) 1 : 8
(3) 1 : 9
(4) 1 : 10
11. The ratio of the number of red apples to the number of green apples was 3:2. After adding another 6 green apples, there were 2 more green than red apples. Find the total number of apples at first.

- (1) 20
(2) 26
(3) 40
(4) 46

12. The figure below is not drawn to scale. AC and BD are straight lines. $\angle BCA$ is 55° . Find $\angle BAC$.

- (1) 35°
- (2) 55°
- (3) 70°
- (4) 110°



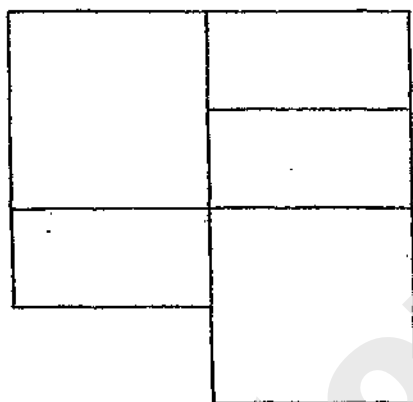
13. $\frac{5}{8}$ of the class are girls. $\frac{1}{3}$ of the boys do not wear spectacles. What fraction of the class are boys who wear spectacles?

- (1) $\frac{1}{8}$
- (2) $\frac{1}{4}$
- (3) $\frac{5}{12}$
- (4) $\frac{5}{24}$

14. $5 \times 5 - 5 + 5 \times 2 = 5 \times \underline{\hspace{1cm}}$.

- (1) 30
- (2) 2
- (3) 3
- (4) 6

15. The figure below is made up of 2 similar squares, each side 8 cm in length, and 3 similar rectangles. What is the perimeter of the figure?



- (1) 48 cm
- (2) 56 cm
- (3) 60 cm
- (4) 64 cm

End of Booklet A

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SINGAPORE CHINESE GIRLS' SCHOOL
SECOND SEMESTRAL ASSESSMENT 2019

PRIMARY 5
MATHEMATICS
PAPER 1
BOOKLET B

Name : _____ ()

Class : Primary 5 SY/C/G/SE/P

22 October 2019

Paper 1	Mark attained	Max Mark
Booklet B		25

15 Questions
25 Marks

Total Time for Booklets A and B: 1 h

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so.

Follow all instructions carefully.

Answer all questions.

You are not allowed to use a calculator

Booklet B

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated: (5 marks)

Do not write in
this column

16. Find the value in the box.

$$15 : 20 = 12 : \square$$

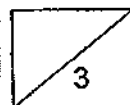
Ans: _____

17. What is the product of 1.405 and 3?

Ans: _____

18. Find the volume of a cuboid with a square base of 5 cm and a height of 7 cm.

Ans: _____ cm³



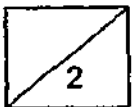
19. Find the average of 7, 0 and 5.

Do not write in
this column

Ans: _____

20. What is the difference between 2.3 and 7.25?

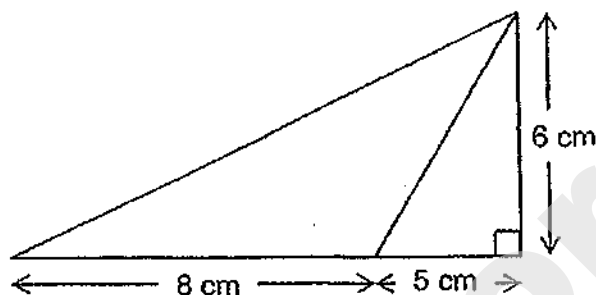
Ans: _____



Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

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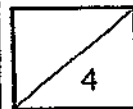
21. Find the area of the shaded triangle below.



Ans: _____ cm²

22. John paid \$120 for a bag after a 20% discount. How much was the discount?

Ans: \$ _____



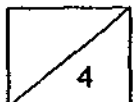
23. The length of cube A is 3 times the length of cube B. Find the ratio of the volume of cube A to cube B.

Do not write in
this column

Ans: _____

24. Norman ran 1.05 km before cycling 3.25 km for his morning exercise routine. What is the total distance covered by Norman? Express your answer in km and m.

Ans: _____ km _____ m



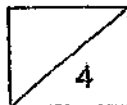
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this column

25. A rope 8 m long is cut into 6 equal pieces. What is the length of each piece?
Give your answer in the simplest form.

Ans: _____ m

26. Observe the number pattern below.

Ans: _____

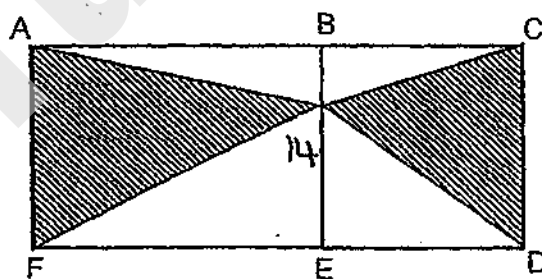


27. The ratio of the number of apples to the number of oranges to the number of pears is $6 : 2 : 9$. There are 87 more pears than apples. How many oranges are there?

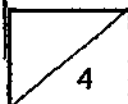
Do not write in this column

Ans: _____

28. The figure below is made up of a rectangle ABEF and a square BCDE. The area of rectangle is 48 cm^2 and area of the square is 16 cm^2 . What is the total area of shaded parts in the figure?



Ans: _____ cm^2

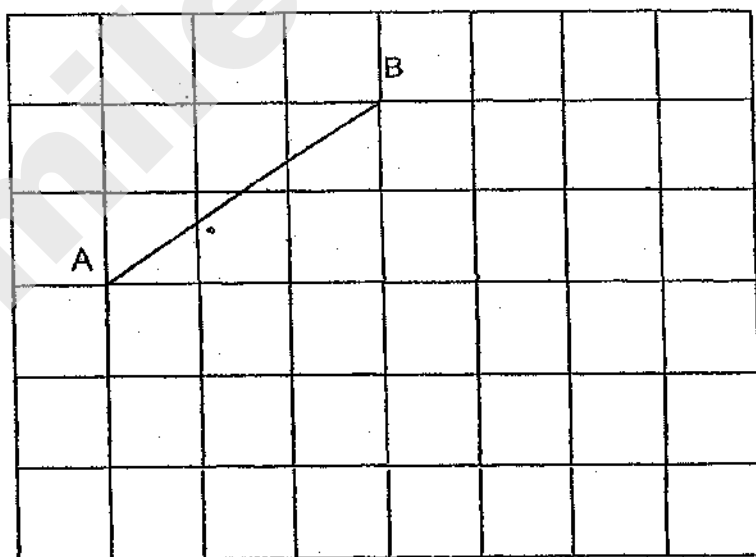


29. $\frac{2}{3}$ of Sue's weight is the same as $\frac{3}{5}$ of Diane's weight. What is the ratio of Sue's weight to Diane's weight?

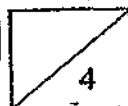
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this column

Ans: _____

30. Draw and label a right-angled isosceles triangle ABC, such that $AB = BC$, in the grid below.



End of Booklet B



SINGAPORE CHINESE GIRLS' SCHOOL
SECOND SEMESTRAL ASSESSMENT 2019

PRIMARY 5
MATHEMATICS
PAPER 2

Name : _____ ()

Class : Primary 5 SY/C/G/SE/P

22 October 2019

Paper 2	Mark	Max Mark
		55

Parent's Signature

17 Questions
55 Marks

Total Time for Paper 2: 1 h 30 min

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

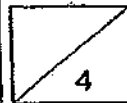
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1. For a fundraising event, Elicia packed 2.7kg of beans into bags of 300g. Each bag of beans is sold for \$1.60. How much could Elicia collect if she sold all the bags of beans?

Ans: \$ _____

2. The average height of a group of 4 girls is 125 cm. When Jia Ming and Cheryl joined the group, the average height increased by 6 cm. What is Jia Ming and Cheryl's total height?

Ans: _____ cm



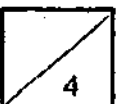
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3. There were 80 children and 4 times as many women at the park. There were 280 more men than women. What percentage of the people at the park were men?

Ans: _____ %

4. A flight of staircase has 25 steps and is 4 m in height. Nathan walked up the staircase and covered 15 steps. What was the height of the flight of stairs he covered?

Ans: _____ m

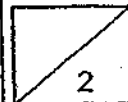


5. The carpark charges of ABC Carpark are shown below. Mr Tan parked his car at the carpark from 1.35 pm to 5 pm. How much did he pay for his parking?

1 st hour, part thereof	\$2.20
Subsequent 30 minutes and part thereof	\$1.00

Do not write in
this column

Ans: \$ _____



For questions 6 to 17, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks awarded is shown in brackets [] at the end of each question or part-question. (45 marks)

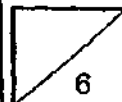
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6. Matilda is 3 years older than David. In 7 years' time, their total age will be 35. How old is David now?

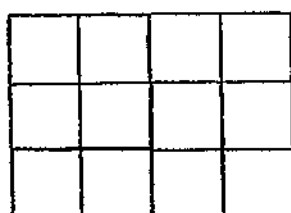
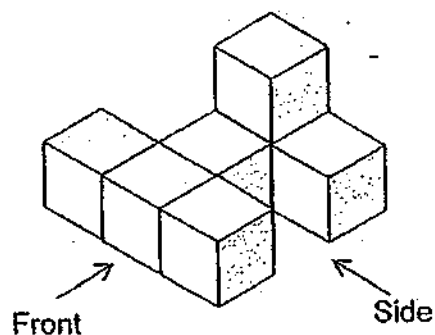
Ans: _____ [3]

7. Jane had $3\frac{3}{4}$ kg of sugar. She used $\frac{2}{5}$ of it to make some brownies and $\frac{1}{2}$ kg of it to bake a cake. How much sugar had she left?

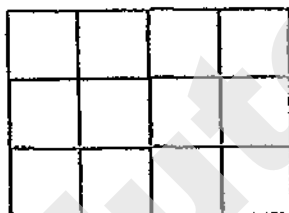
Ans: _____ [3]



The figure below consists of 7 identical cubes. Draw the front, side and top view of the figure below. [3 marks]



Front



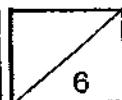
Side



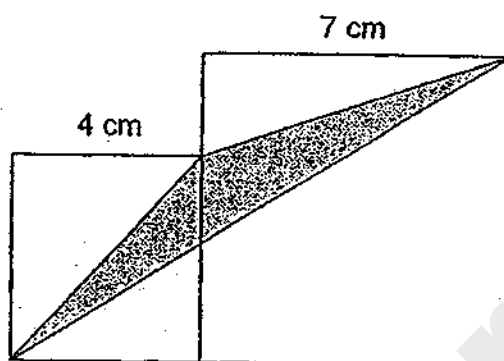
Top

9. Ezekiel was reading a book. He read $\frac{1}{6}$ of it on Monday and $\frac{1}{3}$ of the remainder on Tuesday. There were 80 pages left. How many pages were there in the book?

Ans: _____ [3]

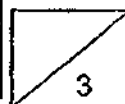


10. The figure below is made up of 2 squares of length 4 cm and 7 cm. Find the area of the shaded triangle.



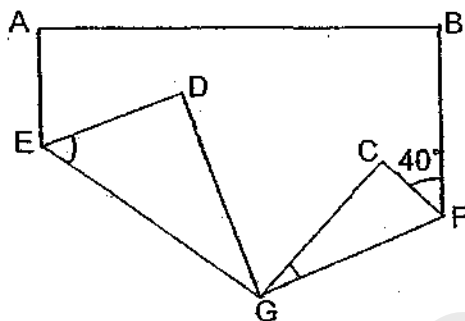
Do not write in
this column

Ans: _____ [3]



11. A rectangular piece of paper, $ABCD$, is folded at points E, F , and G . Given that $\angle DGE$ is twice of $\angle CGF$, find
 (a) $\angle CGF$ and
 (b) $\angle DEG$.

Do not write in
this column



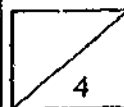
Ans: (a) _____ [2]

(b) _____ [2]

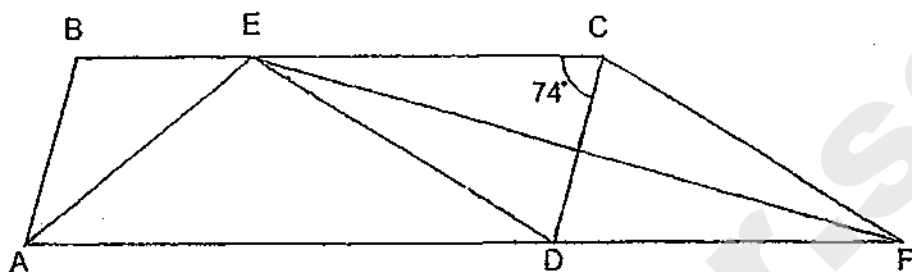
12. Braydon wanted to give each of his friends equal number of stickers for his birthday. If he gives each friend 9 stickers, he will be short of 69 stickers. If he gives each friend 4 stickers, there will be 46 stickers left. How many stickers can Braydon actually give to each friend such that he has no remaining stickers left?

Do not write in
this column

Ans: _____ [4]



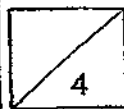
13. The figure below, not drawn to scale, is made up of a parallelogram, ABCD and a rhombus, ECFD. AE is equal to DE and angle DCE = 74° . Find
 (a) $\angle BAE$ and
 (b) $\angle AEF$.



Ans: (a) _____ [2]

(b) _____ [2]

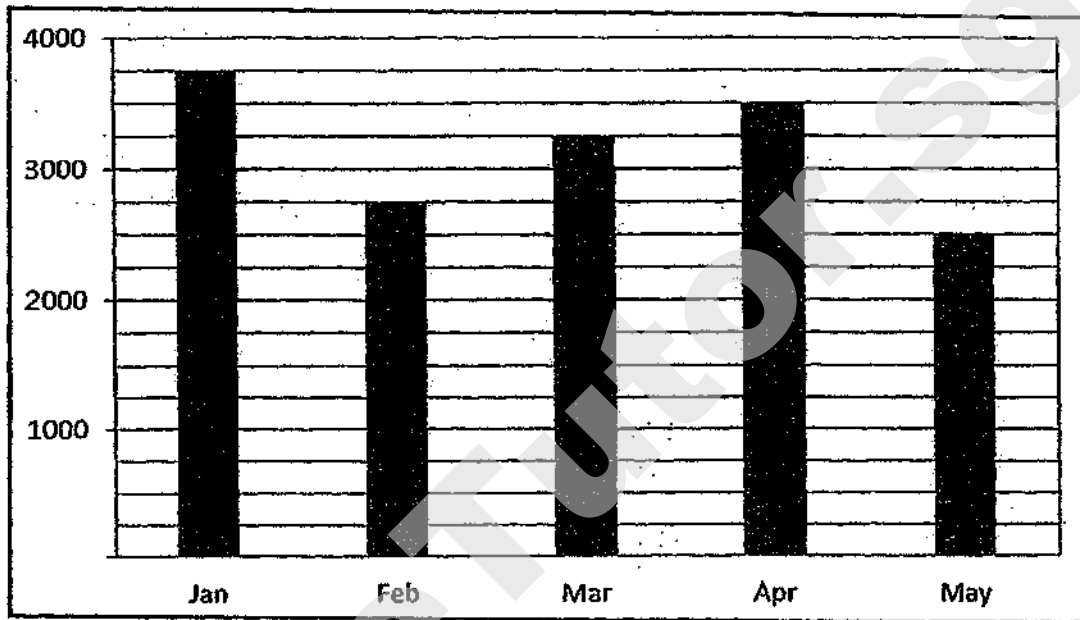
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14. The graph below shows the earnings that an apparel store made from January to May.

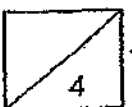
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this column

- (a) What was the total earnings from January to May?
(b) How much money must be earned in June to have an average earning of \$3200 from January to June?

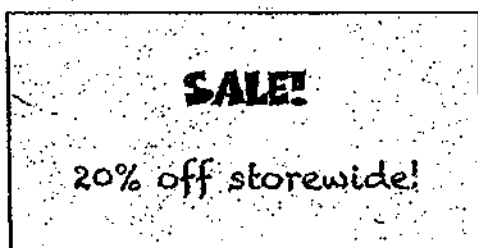


Ans: (a) _____ [2]

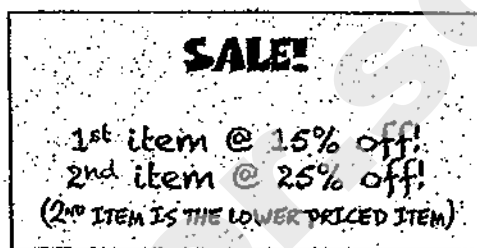
(b) _____ [2]



15. A dress costs \$68 while a pair of shoes costs \$60 at Store A. Mrs Chan bought the 2 items from Store A at a 20% discount. Both items are sold at Store B at the same prices but offering a different discount. Mrs Wong bought the exact dress and pair of shoes from Store B.
- How much discount did Mrs Chan get for buying the pair of shoes and the dress at Store A?
 - Who paid less?
 - How much less?



Store A

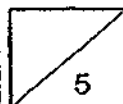


Store B

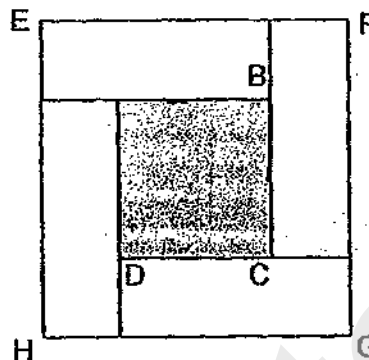
Ans: (a) _____ [2]

(b) _____ [1]

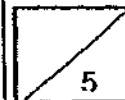
(c) _____ [2]



16. In the figure below, 4 identical rectangles were placed around square ABCD to form a larger square, EFGH. The area of one rectangle is 12 cm^2 , and the area of ABCD is $\frac{1}{4}$ of EFGH. Find the length of one rectangle.



Ans: _____ [5]



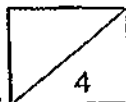
17. A food stall sells hotdogs at \$5.90 each and burgers at \$11.90 each. Each customer can choose to add \$3 for a meal with fries and a drink. The stall sold $\frac{7}{9}$ as many hotdogs as burgers. 75% of the orders were in a meal. He earned a total of \$4610. How many orders did the food stall serve?

do not write in
this column

Ans: _____ [4]

End of Paper 2

~ Please check your work thoroughly. ~



SCHOOL : SCGS PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA2

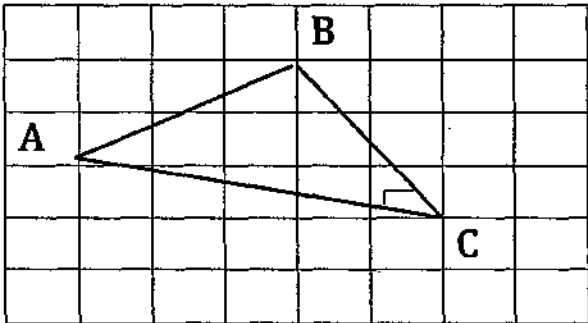
PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	2	4	3	2	1	2	1	3

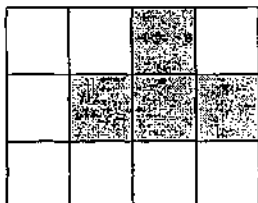


Q 11	Q12	Q13	Q14	Q15
1	1	2	4	4

PAPER 1 BOOKLET B

Q16)	$\frac{15 \div 5}{20 \div 5} = \frac{3 \times 4}{4 \times 4} = \frac{12}{16}$
Q17)	$1.405 \times 3 = 4.215$
Q18)	Base $\rightarrow 5cm$ Height $\rightarrow 7cm$ Volume $\rightarrow 7cm \times 5cm \times 5cm = 175cm^3$
Q19)	$7 + 0 + 5 = 12$ $12 \div 3 = 4$
Q20)	$7.25 - 2.3 = 4.95$
Q21)	Area of shaded triangle $\rightarrow 8cm \times 6cm \times \frac{1}{2} = 24cm^2$
Q22)	80 % $\rightarrow \$120$ 20% $\rightarrow \$120 \div 4 = \30

Q23)	$A : B$ $3 : 1$ Volume $A \rightarrow 3 \times 3 \times 3 = 27$ Volume $B \rightarrow 1 \times 1 \times 1 = 1$ Volume $A : B \rightarrow 27 : 1$
Q24)	$1.05 + 3.25 = 4.3\text{km}$ $4.3\text{km} \rightarrow 4\text{km } 300\text{m}$
Q25)	$8 \div 6 = 1\frac{2}{6} \rightarrow 1\frac{1}{3}m$
Q26)	6
Q27)	$A : O : P$ $6 : 2 : 9$ $9u - 6u = 3u$ $3u \rightarrow 87 \div 3$ $1u = 29$ $2u \rightarrow 29 \times 2 = 58$
Q28)	Area of triangle B $\rightarrow 4\text{cm} \times 4\text{cm} \times \frac{1}{2} = 8\text{cm}^2$ Length of rectangle ABEF $\rightarrow 48\text{cm}^2 \div 4\text{cm} = 12\text{cm}$ Area of triangle A $\rightarrow 4\text{cm} \times 12\text{cm} \times \frac{1}{2} = 24\text{cm}^2$ Triangle A and B total area $\rightarrow 24\text{cm}^2 + 8\text{cm}^2 = 32\text{cm}^2$
Q29)	$S : D \rightarrow \frac{2}{3} : \frac{3}{5}$ $\rightarrow \frac{6}{9} : \frac{6}{10}$ Ans : 9 : 10
Q30)	

PAPER 2

Q1)	2.7kg in grams $\rightarrow 2.7\text{kg} \times 1000 = 2700\text{g}$ How many packets $\rightarrow 2700\text{g} \div 300\text{g} = 9$ Money collected $\rightarrow 9 \times \$1.60 = \14.40																		
Q2)	Jia Ming and Cheryl total height $= (131 \times 6) - (125 \times 4)$ $= 286\text{ cm}$																		
Q3)	Total number of people $\rightarrow 80 \times 9 = 720 + 280 = 1000$ Men at the park $\rightarrow 80 \times 4 = 320 + 280 = 600$ Percentage of men $\rightarrow \frac{600}{1000} \times 100\% = 60\%$																		
Q4)	25 steps $\rightarrow 4\text{m}$ 1 step $\rightarrow 4\text{m} \div 25 = 0.16\text{m}$ 15 step $\rightarrow 0.16 \times 15 = 2.4\text{m}$																		
Q5)	<table><tr><td>1h</td><td>30min</td><td>30min</td><td>30min</td><td>30min</td><td>25min</td></tr><tr><td>\$2.20</td><td>\$1.00</td><td>\$1.00</td><td>\$1.00</td><td>\$1.00</td><td>\$1.00</td></tr><tr><td>1.35</td><td>2.35</td><td>3.05</td><td>3.35</td><td>4.05</td><td>4.35</td></tr></table> <p>5pm</p> <p>$\\$5.00 + \\$2.20 = \\$7.20$</p>	1h	30min	30min	30min	30min	25min	\$2.20	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	1.35	2.35	3.05	3.35	4.05	4.35
1h	30min	30min	30min	30min	25min														
\$2.20	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00														
1.35	2.35	3.05	3.35	4.05	4.35														
Q6)	David in 7yrs time $\rightarrow 35 - 3 = 32$ $1\text{u} \rightarrow 32 \div 2 = 16$ David's age now $\rightarrow 16 - 7 = 9\text{yrs old}$																		
Q7)	Sugar left $= (3\frac{3}{4} \times \frac{3}{5}) - \frac{1}{2} = 1\frac{3}{4}\text{ kg}$																		
Q8)	<div></div> <div></div> <div></div> <div>FrontSideTop</div>																		
Q9)	<div><div>2u $\rightarrow 80\text{ pages}$ 1u $\rightarrow 80 \div 2 = 40$ 3u $\rightarrow 40 \times 3 = 120$</div><div>5u $\rightarrow 120$ 1u $\rightarrow 120 \div 5 = 24$ Ans: 6u $\rightarrow 24 \times 6 = 144$</div></div>																		

Q10)	<p>Total area $= 16\text{cm}^2 + 49\text{cm}^2 = 65\text{cm}^2$</p> <p>Unshaded triangles $\rightarrow \left(4 \times 4 \times \frac{1}{2}\right) + \left(\frac{1}{2} \times 11 \times 7\right) + \left(\frac{1}{2} \times 3 \times 7\right)$ $= 57\text{cm}^2$</p> <p>Shaded area $\rightarrow 65\text{cm}^2 - 57\text{cm}^2 = 8\text{cm}^2$</p>
Q11)	<p>$\angle CFG \rightarrow (180^\circ - 40^\circ) \div 2 = 70^\circ$</p> <p>a) $\angle CGF \rightarrow 90^\circ - 70^\circ = 20^\circ$</p> <p>$\angle DGE \rightarrow 20^\circ \times 2 = 40^\circ$</p> <p>b) $\angle DEG \rightarrow 90^\circ - 40^\circ = 50^\circ$</p>
Q12)	<p>$69 + 46 = 115$</p> <p>No. of friend $\rightarrow 15 \div 5 = 3$</p> <p>Total no. of stickers $\rightarrow 23 \times 4 = 92$ $\rightarrow 92 + 46 = 138$ $\rightarrow 138 \div 23 = 6$</p>
Q13)	<p>a) $\angle ADE = 180^\circ - 74^\circ - 74^\circ = 32^\circ$</p> <p>$\angle BAE = 74^\circ - 32^\circ = 42^\circ$</p> <p>b) $\angle AEF = 32^\circ \div 2 = 16^\circ$ $= 116^\circ + 16^\circ$ $= 132^\circ$</p>
Q14)	<p>a) $3750 + 2750 + 3250 + 3500 + 2500 = \\15750</p> <p>b) $\\$3200 \times 6 = \\19200 $= \\$19200 - \\15750 $= \\$3450$</p>
Q15)	<p>a) $\\$68 + \\$60 = \\$128$</p> <p>$\frac{20}{100} \times \\$128 = \\$25.60$</p> <p>b) Mrs Chan</p> <p>c) $\\$25.60 - \\$25.20 = \\$0.40$</p>
Q16)	<p>Square : 4 rectangles : Total $\rightarrow 1 : 3 : 4$</p> <p>$3u \rightarrow 12 \times 4 = 48\text{cm}^2$</p> <p>$1u \rightarrow 48 \div 3 = 16$</p> <p>$4u \rightarrow 4 \times 16 = 64$</p>

	$AB \rightarrow \sqrt{16} = 4$ $EF \rightarrow \sqrt{64} = 8$ <i>Breadth of rectangle</i> $\rightarrow (8 - 4) \div 2 = 2$ <i>Length of rectangle</i> $\rightarrow 12 \div 2 = 6\text{cm}$
Q17)	<p>H : B : Total 7 : 9 : 16</p> <p>No of meals in a set $\rightarrow \frac{75}{100} \times 16 = 12$ Cost of one set $\rightarrow (\\$5.90 \times 7) + (\\$11.90 \times 9) + (\\$3 \times 12)$ $= \\$184.40$ No of sets $\rightarrow \\$4610 \div \\$184.40 = 25$ Total order $\rightarrow 25 \times (7 + 9) = 400$</p>

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Name: _____ ()

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2019 End - Year Assessment

Paper 1

Booklet A

22 October 2019

15 questions
20 marks

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet.
The use of calculators is **NOT** allowed.

This booklet consists of 8 printed pages.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3, or 4) on the Optical Answer Sheet.

(20 marks)

1. Express 735 642 to the nearest thousand.

(1) 735 640

(2) 735 600

(3) 736 000

(4) 740 000

2. Express $\frac{8}{10} + \frac{19}{1000}$ as a decimal.

(1) 8.019

(2) 1.980

(3) 0.990

(4) 0.819

3. Which one of the following is bigger than $\frac{3}{4}$?

(1) $\frac{3}{9}$

(2) $\frac{4}{5}$

(3) $\frac{5}{8}$

(4) $\frac{9}{12}$

4. What is the product of 42 and $\frac{6}{7}$?

(1) 36

(2) 48

(3) 49

(4) 56

5. Samuel has 48 stickers. He has 12 fewer stickers than Lenny. Find the ratio of the number of stickers Samuel has to the total number of stickers both children have.

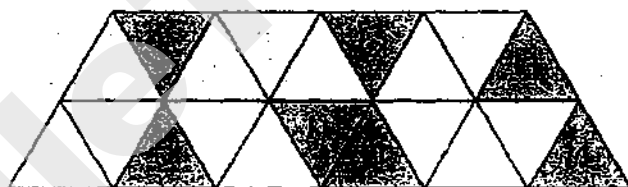
(1) 4 : 3

(2) 4 : 5

(3) 4 : 7

(4) 4 : 9

6. The figure below is made up of identical triangles. What percentage of the figure is shaded?



(1) 30%

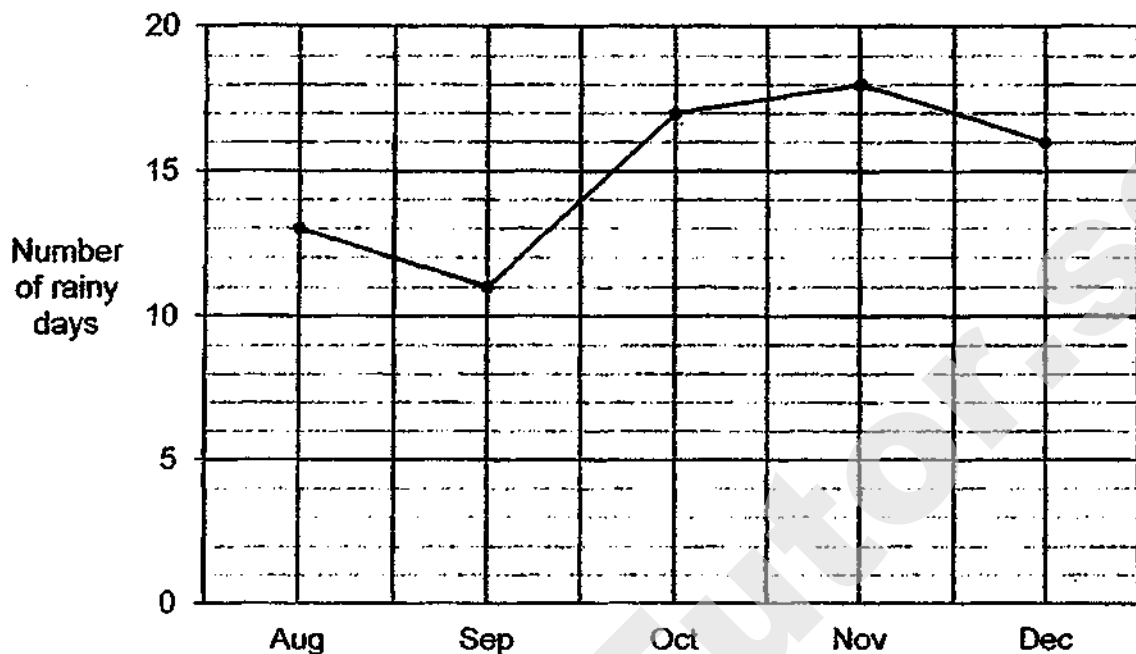
(2) 35%

(3) 65%

(4) 70%

Use the graph below to answer questions 7 and 8.

The graph shows the number of rainy days per month from August to December.



7. The average number of rainy days from August to December is 15. Which month has the number of rainy days closest to the average?

- (1) September
- (2) October
- (3) November
- (4) December

8. In which of the following periods did the number of rainy days increase the least?

- (1) August to September
- (2) September to October
- (3) October to November
- (4) November to December

9. The capacity of a container is 1050 ml. Express the capacity of the container in litres.

(1) 1.05 l

(2) 1.5 l

(3) 10.5 l

(4) 10.05 l

10. Which of the following statements best describe a trapezium?

A	All four sides are equal.
B	Only 1 pair of opposite sides is parallel.
C	Each pair of angles between the parallel sides adds up to 180° .
D	All angles are equal.

(1) A and C

(2) A and D

(3) B and C

(4) B and D

11. Ming bought 3 identical files and 3 identical notebooks from a bookshop. The 3 identical notebooks cost as much as 1 file. She paid \$24 altogether. How much did each file cost?
- (1) \$4
(2) \$2
(3) \$6
(4) \$8
12. A bag contains 50 straws of two different colours. 10 straws are yellow and the rest are red. What percentage of the straws are red?
- (1) 10 %
(2) 20 %
(3) 40 %
(4) 80 %
13. At a factory, a machine can print 900 labels in 30 s. At this rate, how many labels can the machine print in 2 min?
- (1) 6000
(2) 3600
(3) 3000
(4) 1800

14. Miss Ong wants to pack 72 pears and 64 oranges into as many boxes as possible without any left over. Each box will have the same number of fruits. The number of pears in each box is the same. Find the number of pears in each box.

- (1) 6
- (2) 9
- (3) 12
- (4) 18

15. A jug can hold 2.5 l of orange juice when full. $\frac{3}{5}$ of the jug was filled with orange juice. Jennifer poured $\frac{1}{4}$ of the orange juice into some glasses. How much orange juice was left in the jug?

- (1) 625 ml
- (2) 875 ml
- (3) 1125 ml
- (4) 2250 ml

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2019 End - Year Assessment

Paper 1

Booklet B

22 October 2019

Booklet A	20
Booklet B	25
Total (Paper 1)	45

Total time for booklets A and B : 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet

The use of calculators is **NOT** allowed.

This booklet consists of 11 printed pages.

Questions 16 to 20 carry 1 mark each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not
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space

16. Form the smallest 5-digit odd number using all the digits below.

5	7	2	0	6
---	---	---	---	---

Ans : _____

17. $1.07 \times 900 =$ _____

Ans : _____

18. What is the missing number in the box?

$$\frac{38}{16} = 2 \frac{\boxed{?}}{8}$$

Ans : _____

19. Express 0.04 as a percentage.

Do not
write
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space

Ans : _____ %

20. The table shows the airmail charges between two countries. What is the airmail charge for sending a parcel that has a mass of 11 kg?

Mass Step Not Over	Airmail Charge
5 kg	\$30
10 kg	\$45
Per additional step of 1 kg	\$8

Ans : \$ _____



Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

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21. The table shows the mass of 3 bags of onions.

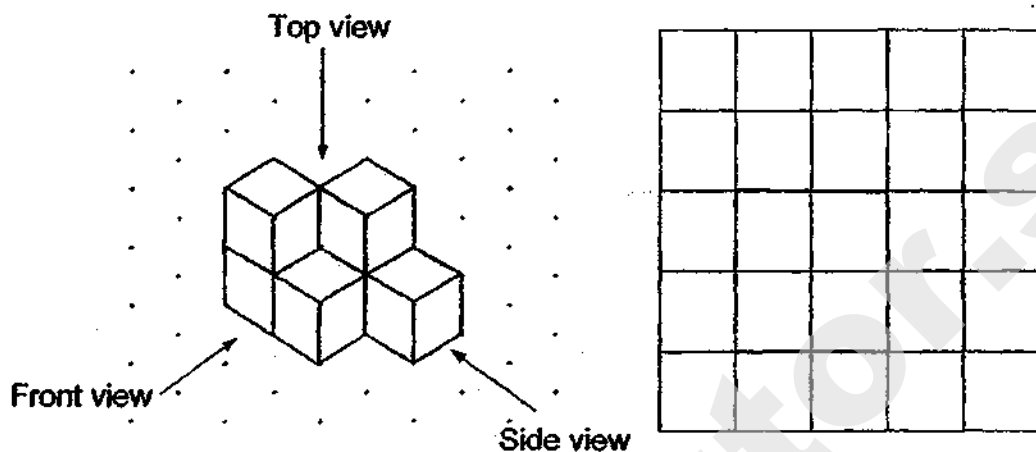
Bag	Mass of Onions
A	3.86 kg
B	5.2 kg
C	?

The total mass of Bag A and Bag B is 4 times the mass of Bag C. Find the mass of Bag C.

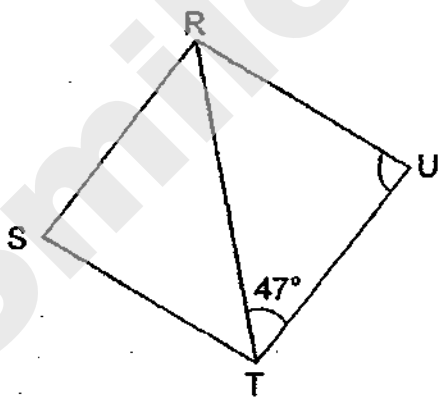
Ans : _____ kg

22. The solid figure below is made up of identical cubes. Draw the front view of the solid figure in the square grid provided.

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in this
space



23. In the figure, RSTU is a rhombus and RT is a straight line. $\angle RTU = 47^\circ$. Find $\angle TUR$.

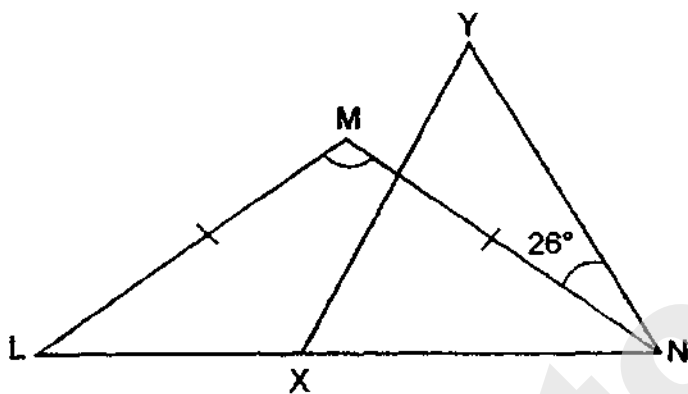


Ans : _____ °



24. In the figure, $\triangle XYN$ is an equilateral triangle and $\triangle LMN$ is an isosceles triangle.
 $LM = MN$ and $\angle YNM = 26^\circ$. Find $\angle LMN$.

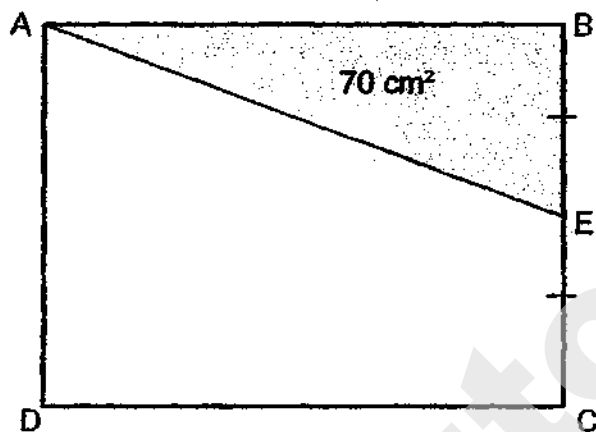
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Ans : _____



25. ABCD is a rectangle. The area of triangle ABE is 70 cm^2 and $BE = EC$. Find the area of the unshaded part AECD.



Do not
write
in this
space

Ans : _____ cm^2

26. A box contained black, white and red paper clips. $\frac{1}{5}$ of them were black and $\frac{1}{2}$ of them were white. There was a total of 84 black and white paper clips. How many paper clips did the box contain?

Do not
write
in this
space

Ans : _____

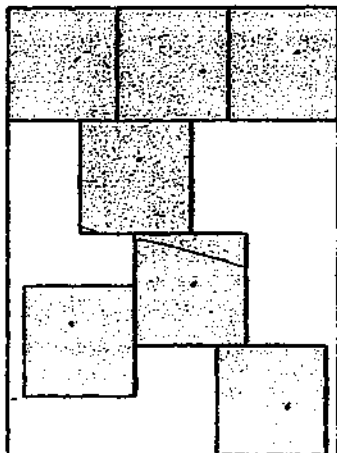
27. There are altogether 29 boys and girls in Class 5A. On average, each pupil spent 5 hours playing computer games. The boys spent a total of 17 hours more than the girls playing computer games. Find the total number of hours the girls spent playing computer games.

Ans : _____ h



28. 7 identical squares are drawn within a rectangle as shown below. What is the ratio of the shaded parts to the unshaded parts?

Do not
write
in this
space



Ans : _____



29. A table with 6 columns is filled with numbers in a certain pattern. The numbers continue in the same pattern. In which column will the number 46 appear?

Do not
write
in this
space

A	B	C	D	E	F
		4	3	2	1
5	6	7	8		
		12	11	10	9
13	14	15	16		
		:	:		:
:	:	:	:		

Ans : _____

☐

30. Mr Wong placed a total of 56 yellow cones and blue cones along a running track. A yellow cone is placed after every 7th blue cone. He placed a blue cone at the starting point.

Do not
write
in this
space

Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
The number of yellow cones was $\frac{1}{7}$ of the total number of cones.			
Among all the 56 cones placed along the running track, 49 were blue cones.			

End of Booklet B

Name: _____ (

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



**Primary 5 Mathematics
2019 End - Year Assessment**

Paper 2

22 October 2019

Paper 1	45
Paper 2	55
Total Marks	100

Parent's/Guardian's Signature

Time : 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet

The use of an approved calculator is expected, where appropriate.

This booklet consists of 16 printed pages.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

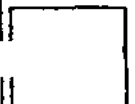
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1. Mr Jamal had a piece of wire. He used $4\frac{3}{4}$ m of the wire to form a rectangle. Then he used $1\frac{2}{5}$ m less than what was used for the rectangle to form a triangle. Find the total length of the wire he used. Leave your answer as a mixed number in its simplest form.

Ans : _____ m

2. Stella bought a refrigerator which included a 7% GST. The price of the refrigerator before GST was \$4390. How much did Stella pay for the refrigerator?

Ans : \$ _____

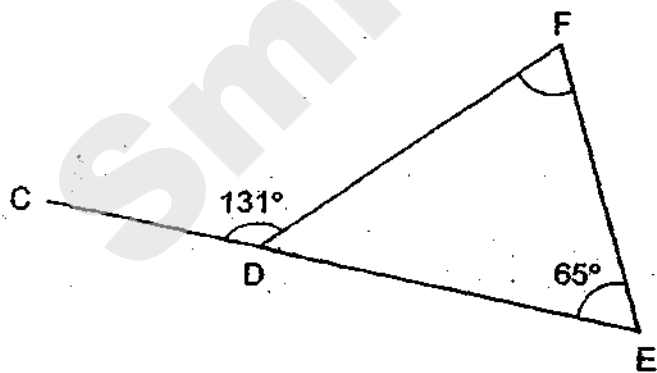


3. Lisa, Randy and Sami went on a cycling trip. Lisa cycled 0.9 km more than Sami. Randy cycled the same distance as Sami. The 3 children cycled 108 km altogether. What was the distance cycled by Randy?

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this space

Ans : _____ km _____ m

4. The figure below shows a triangle DEF. CDE is a straight line. $\angle DEF = 65^\circ$ and $\angle CDF = 131^\circ$. Find $\angle DFE$.



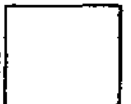
Ans :



5. The Lim family used a total of 7.84 m^3 of water from Monday to Sunday. The water used is charged at \$1.25 per m^3 . What was the average amount of money the Lim family paid for the water used each day?

Do not
write in
this space

Ans : \$ _____



For questions 6 to 17, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets () at the end of each question or part-question. (45 marks)

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6. Kassim saved \$11.50 every month from January to May. Then he increased his savings by \$2.50 per month for the rest of the year. How much money did he save in the whole year?

Ans : _____ [3]



7. Peter and Osman were in the lift with some bags of cement. The greatest mass of the load the lift can take is 800 kg. The total mass of Peter and Osman was 152 kg. The mass of each bag of cement was 45 kg. With the 2 men inside the lift, what was the greatest number of bags of cement that could be placed in the lift?

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this space

Ans : _____ [3]



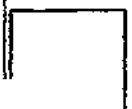
The table below shows the parking rates at a carpark.

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this space

Duration	Charges
First 2 hours	\$3.00
After the second hour	\$1.60 per $\frac{1}{2}$ hour or part thereof

Miss Song paid \$12.60 for her parking charges. What was the greatest number of hours she parked her car at the carpark?

Ans : _____ [3]



9. Lixin bought 12 boxes of pens and repacked them into 3 bundles in the ratio $9 : 1 : 5$. Find the number of pens in the smallest bundle.

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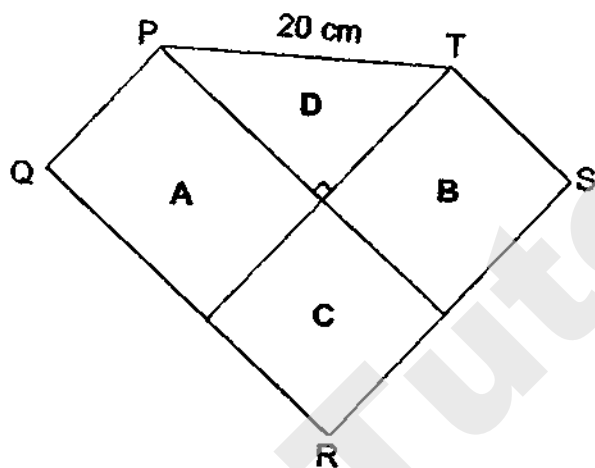


Ans : _____ [3]



10. In the figure PQRS, A and B are rectangles, C is a square and D is a triangle. Rectangle A has an area of 144 cm^2 and Rectangle B has an area of 108 cm^2 . Square C has an area of 81 cm^2 . $PT = 20 \text{ cm}$. What is the area of Triangle D?

Do not
write in
this space



Ans : _____

[3]

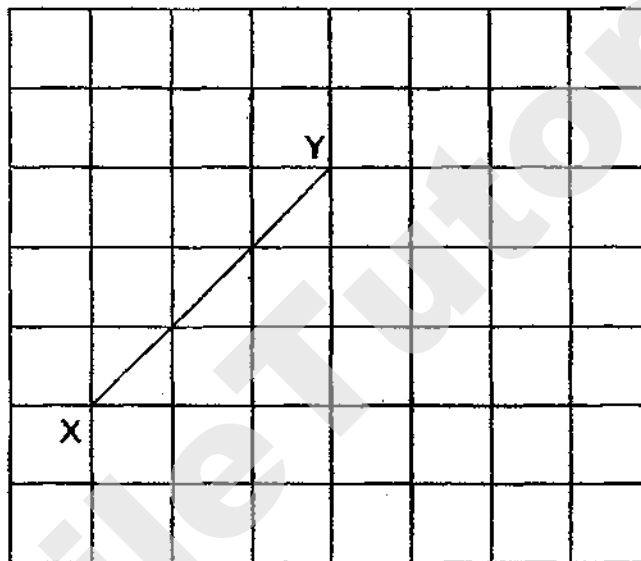


11. In the square grid below, XY is one side of an isosceles triangle XYZ and $XY = YZ$.

Do not
write in
this space

(a) Draw and complete triangle XYZ from the given line XY .
Label the triangle XYZ .

(b) Measure $\angle XYZ$.



[2]

Ans : (b) _____

141



12. A total of 26 280 people took part in a walkathon. There were 5 times as many adults as children. When 30 women and 30 children withdrew from the walkathon, the number of women who took part was twice the number of children who took part. Find the number of men who took part in the walkathon.

Do not
write in
this space

Ans : _____ [4]



13. Vinita bought 12 adult tickets for a concert. Ning bought 8 adult tickets and 4 children tickets for the same concert. Each child ticket cost \$10.50. Altogether, Vinita spent \$31.60 more than Ning. How much money did Vinita and Ning spend altogether?

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this space

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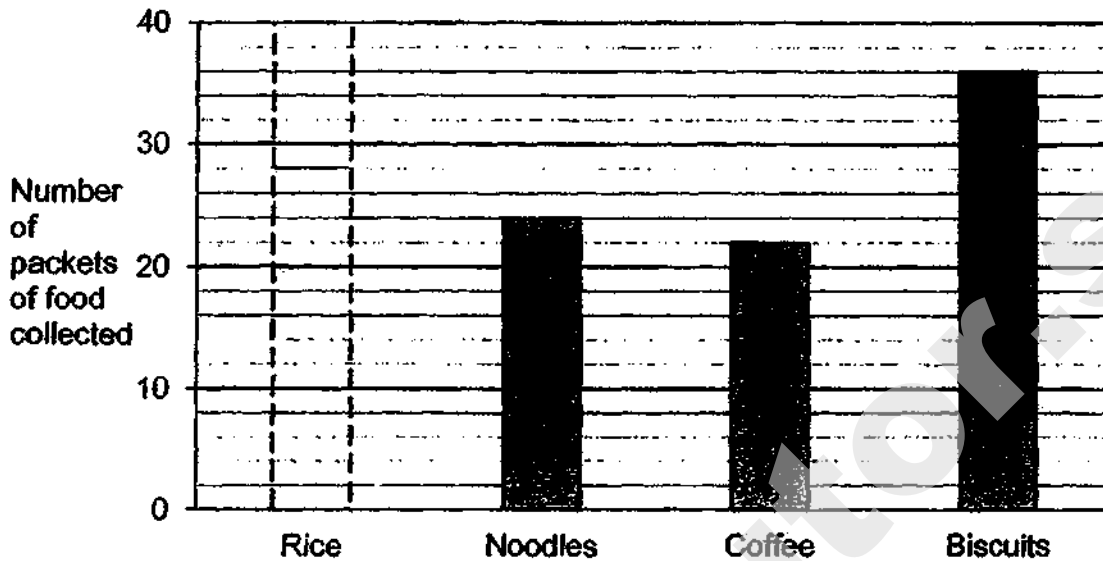
Ans : _____

[4]



14. The bar graph below shows the number of packets of different food collected in a donation drive.

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[2]

- (a) $\frac{1}{5}$ of the total number of packets of food collected was coffee. Draw the bar representing the number of packets of rice collected.

- (b) The table shows the mass of each packet of food.

Food Item	Mass of each packet
Rice	5 kg
Noodles	425 g
Coffee	525 g
Biscuits	300 g

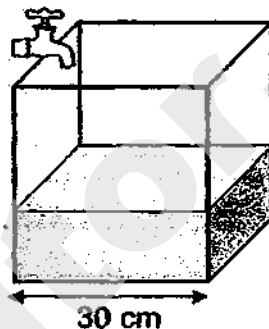
What was the difference between the total mass of noodles collected and the total mass of biscuits collected?

Ans : (b) _____

15. A cubical tank of edge 30 cm contained some water to a height of 12 cm.

(a) Find the volume of water in the tank at first.

(b) A tap was then turned on for 20 minutes to fill the tank with water at a rate of 0.6 l per minute. How much more water was needed to fill the tank to the brim when the tap was turned off? Leave your answer in litres.



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Ans : (a) _____ [1]

(b) _____ [4]

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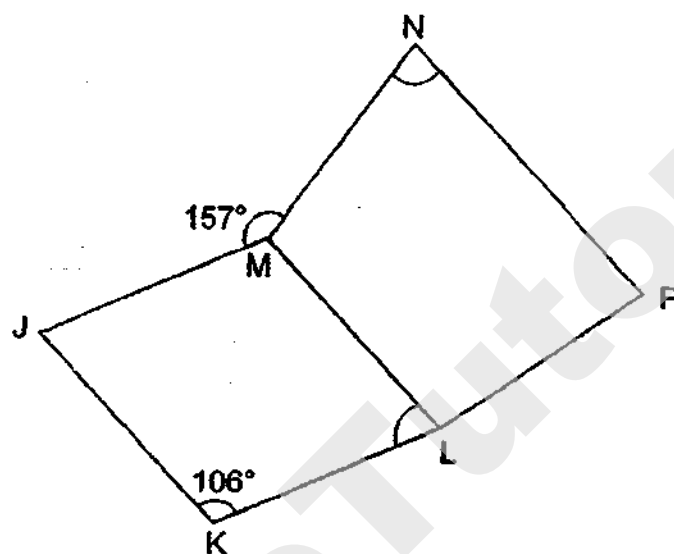
16. In the figure, JKLM is a parallelogram and LMNP is a trapezium. $\angle JKL = 106^\circ$ and $\angle JMN = 157^\circ$.

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write in
this space

(a) Name another line parallel to JK.

(b) Find $\angle KLM$.

(c) Find $\angle MNP$.



Ans : (a) _____ [1]

(b) _____ [2]

(c) _____ [1]

17. Kavitha, Irene and Lyn shared a box of beads. Kavitha took $\frac{2}{7}$ of the beads and Irene took $\frac{3}{8}$ of the remaining beads. Lyn took 12 fewer beads than Irene. In the end, there were 52 beads left in the box. How many beads did the three girls take altogether?

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this space

Ans : _____ [5]

SCHOOL : CHIJ ST PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA2

PAPER 1
BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	2	1	4	2	4	3	1	3
Q11	Q12	Q13	Q14	Q15					
3	4	2	2	3					

BOOKLET B

- Q16. 20367
 Q17. 963
 Q18. 3
 Q19. 4%
 Q20. \$53
 Q21. 2.265 kg
 Q22.



- Q23. 86°
 Q24. 112°
 Q25. 210 cm²
 Q26. 120 paperclips
 Q27. 64 h
 Q28. 7 : 5
 Q29. B

Q30.

True	False	Not possible to tell
	✓	
✓		

PAPER 2

Q1. $4\frac{3}{4} - 1\frac{2}{5} = 3\frac{7}{20}$
 $3\frac{7}{20} + 4\frac{3}{4} = 8\frac{1}{10} \text{ m}$

Q2. $\$4390 \times 107\% = \4697.30

Q3. $108 - 0.9 = 107.1$
 $107.1 \div 3 = 35.7 \text{ km}$
 $35.7 \text{ km} = 35 \text{ km } 700 \text{ m}$

Q4. $180^\circ - 131^\circ = 49^\circ$
 $180^\circ - 49^\circ - 65^\circ = 66^\circ$

Q5. $7.84 \times \$1.25 = \9.80
 $\$9.80 \div 7 = \1.40

Q6. From January to May,
 $\$11.50 \times 5 = \57.50
 $\$11.50 + \$2.50 = \$14$
 From June to December,
 $\$14 \times 7 = \98
 $\$57.50 + \$98 = \$155.50$

Q7. $800 - 152 = 648$
 $648 \div 45 = 14 \text{ r } 18 \text{ kg}$
 The greatest number of bags is 14.

Q8. $\$12.60 - \$3 = \$9.60$
 $\$9.60 \div \$1.60 = 6$
 $6 \times \frac{1}{2} \text{ h} = 3 \text{ h}$
 $3 \text{ h} + 2 \text{ h} = 5 \text{ h}$

Q9. $12 \times 45 = 540$
 $9 + 1 + 5 = 15$
 $540 \div 15 = 36$

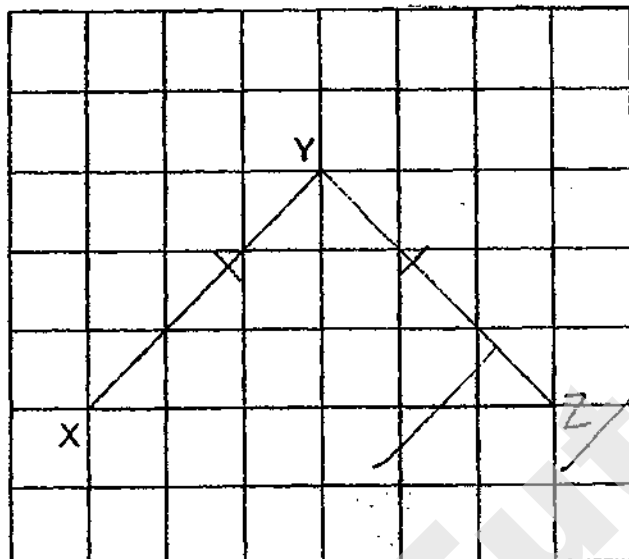
Q10. $\sqrt{81} = 9$

$108 \div 9 = 12\text{cm}$

$144 \div 9 = 16\text{cm}$

$\frac{1}{2} \times 16 \times 12 = 96\text{cm}^2$

Q11. (a)



(b) 90°

Q12. No. of children $\rightarrow 26280 \div 6 = 4380$

No. of adults $\rightarrow 4380 \times 5 = 21900$

$4380 - 30 = 4350$

$4350 \times 2 = 8700$

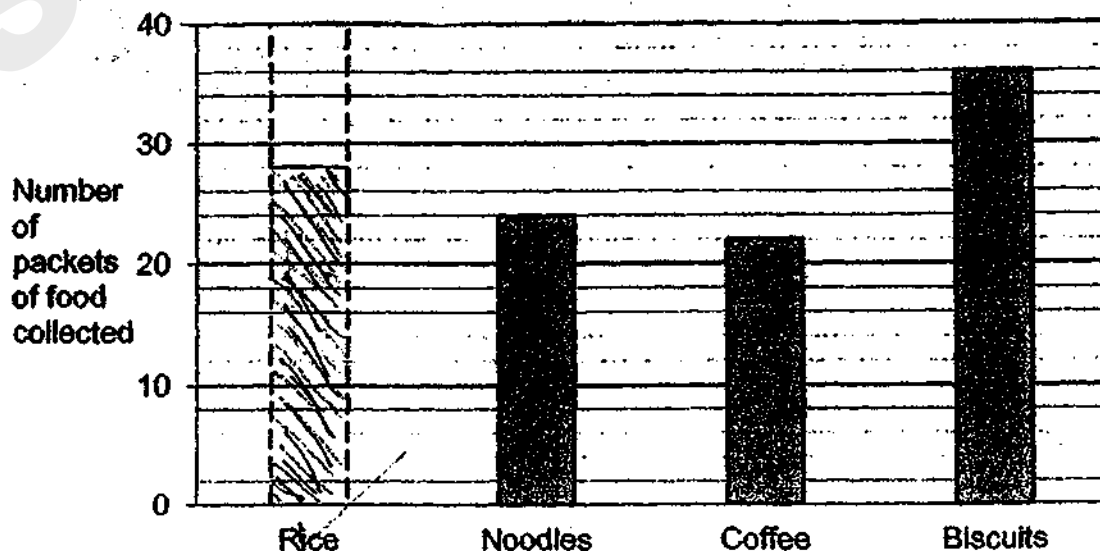
No. of men $\rightarrow 21900 - 8700 - 30 = 13170$

Q13. $(4 \times \$10.50) + \$31.60 = \$73.60$

$\$73.60 \div 4 = \18.40

$(\$18.40 \times 20) + (\$10.50 \times 4) = \$410$

Q14. (a)



(b) $36 \times 300 = 10800$
 $24 \times 425 = 10200$
 $10800 - 10200 = 600g$

Q15. (a) $12 \times 30 \times 30 = 10800\text{cm}^2$
 (b) $0.6 \times 20 = 12l$
 $10800\text{cm}^2 = 10.8l$
 $30 \times 30 \times 30 = 27000\text{cm}^2$
 $27000\text{cm}^2 = 27l$
 $27 - 12 - 10.8 = 4.2l$

Q16. (a) Line ML
 (b) $360^\circ - 106^\circ - 106^\circ = 148^\circ$
 $148^\circ \div 2 = 74^\circ$
 (c) $360^\circ - 106^\circ - 157^\circ = 97^\circ$
 $180^\circ - 97^\circ = 83^\circ$

Q17. $\frac{2}{8} \times \frac{5}{7} = \frac{5}{28}$
 $\frac{5}{28}$ of total $\rightarrow 52 - 12 = 40$
 $\frac{1}{28}$ of total $\rightarrow 40 \div 5 = 8$
 $8 \times 28 = 224$
 $224 - 52 = 172$



2019 PRIMARY 5 SEMESTRAL ASSESSMENT 2

Name : _____ () Date: 24 October 2019

Class : Primary 5 ()

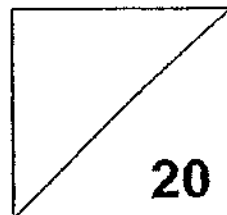
Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : _____

Marks: _____ / 100

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS PAPER 1 (BOOKLET A)



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are not allowed to use a calculator.

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Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4).

Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

1. Which of the following is seven million, four hundred and four thousand, seven hundred and four?
 - (1) 7 404 704
 - (2) 7 404 740
 - (3) 7 440 704
 - (4) 7 440 740

2. Find the difference between 5 and $3\frac{7}{10}$.
 - (1) $1\frac{3}{10}$
 - (2) $1\frac{7}{10}$
 - (3) $2\frac{3}{10}$
 - (4) $2\frac{7}{10}$

3. What is the value of $8 \div 4000$?
 - (1) 0.002
 - (2) 0.02
 - (3) 50
 - (4) 500

4. Express 3.7% as a decimal.

(1) 0.0037

(2) 0.037

(3) 0.37

(4) 3.7

5. Express 90 034 ml in l.

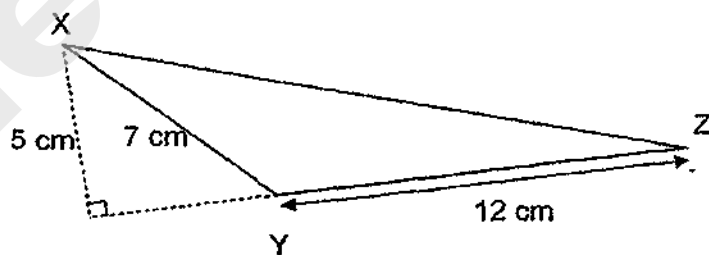
(1) 9.034 l

(2) 9.34 l

(3) 90.034 l

(4) 90.34 l

6. Find the area of Triangle XYZ.



(1) 30 cm^2

(2) 42 cm^2

(3) 60 cm^2

(4) 84 cm^2

7. How many degrees are there in a $\frac{3}{4}$ turn?

(1) 75°

(2) 90°

(3) 180°

(4) 270°

8. Which of the following is nearest to $\frac{1}{2}$?

(1) $\frac{3}{4}$

(2) $\frac{3}{5}$

(3) $\frac{3}{7}$

(4) $\frac{3}{8}$

9. At a sale, a discount of 25% is given to all customers. How much does a customer have to pay if the original price of a shirt is \$60?

(1) \$15

(2) \$45

(3) \$51

(4) \$75

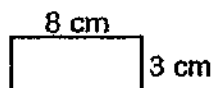
10. A pile of books is repacked into 4 boxes. The mass of the first box is 4 kg. The average mass of the remaining boxes is 16 kg. Find the total mass of the 4 boxes.
- (1) 20 kg
 - (2) 48 kg
 - (3) 52 kg
 - (4) 64 kg
11. There are 33 bicycles and tricycles in Uncle Muthu's shop. Amanda counts a total of 80 wheels. How many tricycles are there in the shop?
- (1) 12
 - (2) 14
 - (3) 16
 - (4) 19
12. A ribbon of length 12.1 m was cut into three pieces. The first piece was 4 times as long as the second piece. The second piece was twice as long as the third piece. How long was the second piece?
- (1) 1.10 m
 - (2) 1.21 m
 - (3) 2.20 m
 - (4) 2.42 m

13. There were 34 children at a library. After 12 girls left and 6 boys entered the library, there was an equal number of boys and girls. Find the ratio of the number of girls to the number of boys at first.

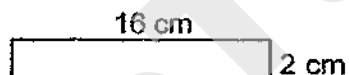
- (1) 1 : 10
- (2) 10 : 1
- (3) 13 : 4
- (4) 4 : 13

14. Which figure has an area of 32 cm^2 and a perimeter of 24 cm?

(1)



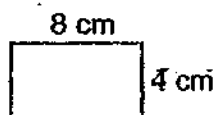
(2)



(3)



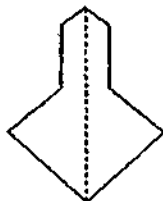
(4)



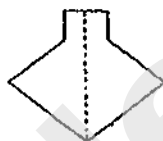
15. Which of the following symmetric figures is cut out from the piece of folded paper shown below?



(1)



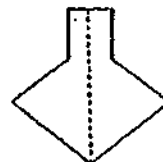
(2)



(3)



(4)



- End of Booklet A -



2019 PRIMARY 5 SEMESTRAL ASSESSMENT 2

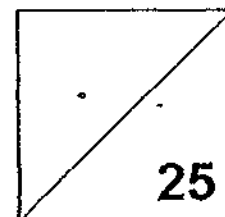
Name : _____ () Date: 24 October 2019

Class : Primary 5 () Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS PAPER 1 (BOOKLET B)



INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are not allowed to use a calculator.

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. -(5 marks)

16. Find the value of $\frac{4}{25} \times \frac{15}{15}$.

Express your answer as a fraction in its simplest form.

Ans: _____

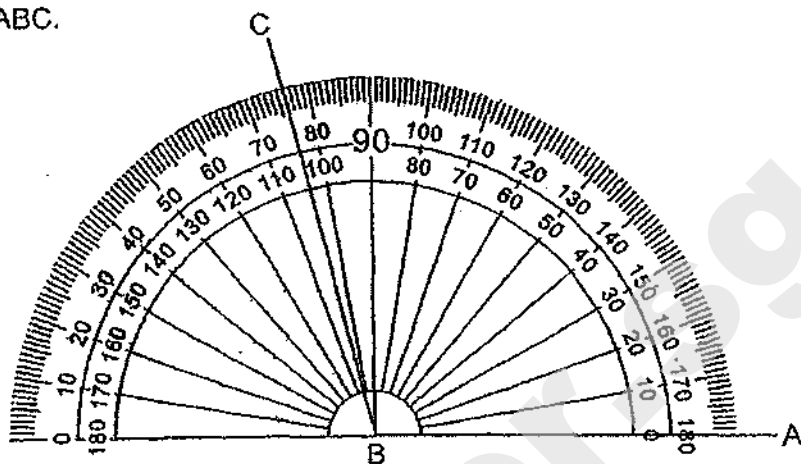
17. In 241.596, what is the value of digit 6?

Ans: _____

18. Alex completed a race in 35 s. Paul was 13 s faster than Alex. How long did Paul take to complete the race?

Ans: _____ s

19. Measure $\angle ABC$.



Ans: $\angle ABC =$ _____ $^\circ$

20. The table shows the lengths of 5 coloured ribbons.

Coloured ribbons	Red	Yellow	Blue	Silver	Gold
Length (m)	2.1	3.4	2.2	2.6	2.2

Find the average length of the ribbons.

Ans: _____ m

Questions 21 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (20 marks)

21. Find the missing number.

$$24 : 16 = \underline{\hspace{2cm}} : 28$$

Ans:

22. Mrs Goh had 400 eggs. She used 45% of the eggs to make cookies.
How many eggs had she left?

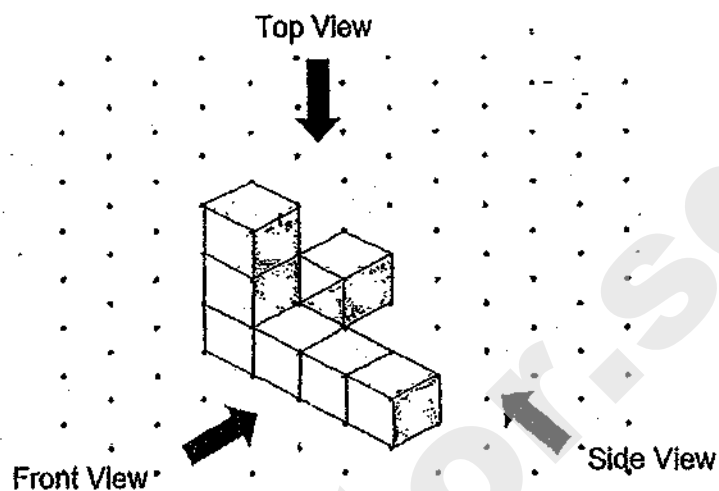
Ans:

23. Solve the following equation.

$$(38 + 2 \times 6) - (40 \div 2 - 5)$$

Ans:

24. Anna stacked 8 unit cubes and glued them together to form the solid below.



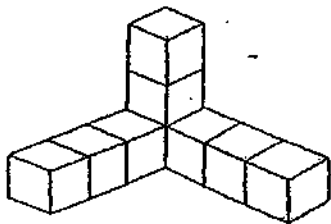
Draw the front view and the side view of the solid on the grids below.

Answer:

Front View

Side View

25. The diagram shows a solid which is made up of 2-cm cubes. What is the volume of the solid?



Ans: _____ cm^3

26. Sally was charged \$66 for some computer parts and \$18 every hour to repair her computer. How much did Sally pay in total for 3 hours of repair?

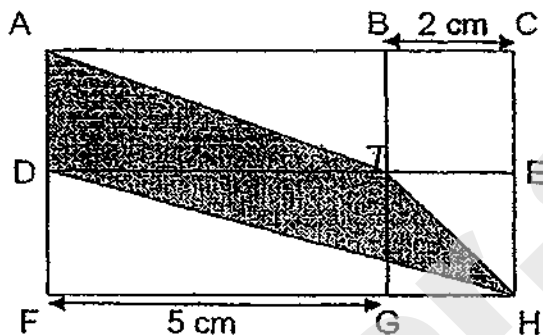
Ans: \$ _____

27. Ravi and his brother started to do their homework together at 2.45 p.m. Ravi finished his homework at 4.25 p.m. and his brother took half as much time as Ravi. How long did his brother take to complete his homework?

Ans: _____ h

28. Rectangle ACHF is made up of two identical rectangles and two identical squares. $BC = 2\text{ cm}$ and $FG = 5\text{ cm}$.

What fraction of the rectangle ACHF is shaded?



Ans: _____

29. Brian was paid \$4 for every food delivery trip he made and an additional \$2 for every 10 trips he made. How much would he receive for making 75 trips?

Ans: \$ _____

30. The table below shows the postage rates of Country X.

Mass	Charge
Up to 7 kilograms	\$7 per kilogram
Every additional kilogram	\$8 per kilogram

Sylvia needs to send a parcel weighing 13 kg to Country X.
How much does she need to pay?

Ans: \$ _____

End of Booklet B

End of Paper 1



2019 PRIMARY 5 SEMESTRAL ASSESSMENT 2

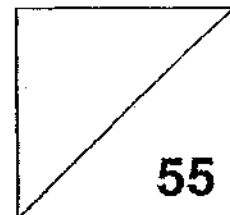
Name : _____ () Date: 24 October 2019

Class : Primary 5 ()

Time: 10.30 a.m. - 12.00 p.m.

Parent's Signature : _____

MATHEMATICS PAPER 2



INSTRUCTIONS TO CANDIDATE

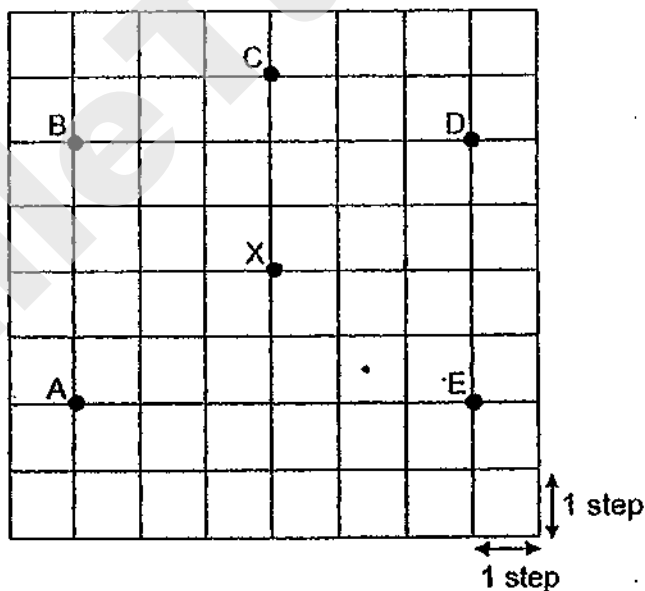
1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. You are allowed to use a calculator.

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

1. The sum of 2 numbers is 437. Their difference is 56. What is the smaller number?

Ans: _____

2. Study the diagram and answer the following question.



Ali was at a certain position. He walked 4 steps due south, 3 steps due east and 2 steps due north. He ended at Position X. What was his starting position?

Ans: _____

3. When a number is doubled and 6 is added to the result, the answer is 28. What is the original number?

Ans: _____

4. Aini read $\frac{1}{5}$ of a novel in the morning. She read $\frac{3}{8}$ of the remainder in the afternoon. What fraction of the novel was read in total? Give your answer in the simplest form.

Ans: _____

5. Mr Ho and his class want to spend $1\frac{1}{2}$ h at the Marine Food Centre. They have to leave by 13 25. What is the latest time that they must reach the Marine Food Centre?



Ans: _____ a.m.

For questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)

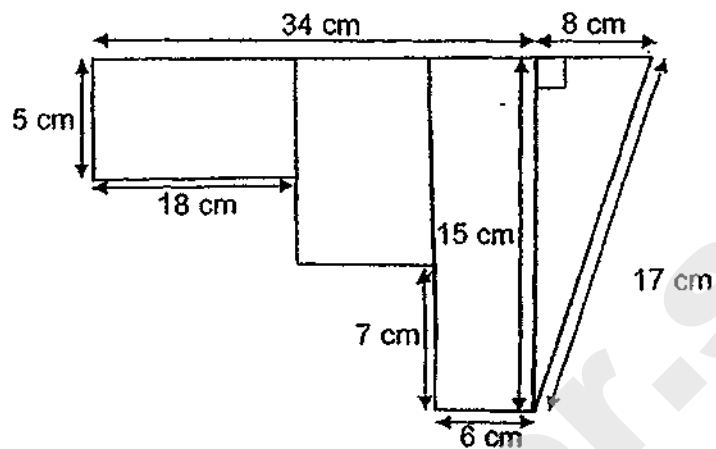
6. The mass of a metal tin containing 60 identical packets of biscuits is 3.35 kg. After 43 packets of biscuits were given away, the mass of the metal tin and biscuits left was 1050 g. Find the mass of each packet of biscuit.
Give your answer in kilograms correct to 2 decimal places.

Ans: _____ [3]

7. Sarah can fold 30 paper butterflies in 1 hour. Joyce can fold the same number of paper butterflies in $\frac{3}{4}$ of the time. At these rates, how many paper butterflies can they fold altogether in 6 hours?

Ans: _____

8. Study the figure below.



- (a) Find the perimeter of the figure.
(b) What is the total area of the figure?

Ans: (a) _____ [1]

(b) _____ [2]

9. How many digits are there from 1 to 101?

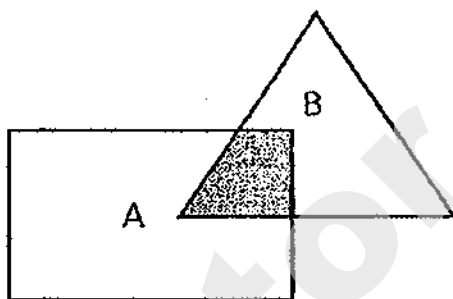
Ans: _____ [3]

10. There are 2200 students in a school. 85% of them are Chinese,
 $\frac{2}{3}$ of the remaining students are Malays and the rest are Indians.
How many Indian students are there?

Ans: _____ [3]

11. Rectangle A overlaps Triangle B as shown by the shaded part. The ratio of the area of Rectangle A to the area of the shaded part to the area of Triangle B is $7 : 2 : 5$. The shaded area is 26 cm^2 .

- (a) Find the area of Triangle B.
- (b) What fraction of the figure is unshaded?



Ans: (a) _____ [2]

(b) _____ [2]

12. A rectangular tank measuring 52 cm by 24 cm by 18 cm is $\frac{3}{4}$ filled with water.

The water is then transferred into a cubical container of side 34 cm. How much more water is needed for the cubical container to be $\frac{1}{2}$ filled with water?

Give your answer in l and ml.

Ans: _____ [4]

13. The usual price of a television set is \$8000. This price does not include the 7% GST. At a sale, Mr Tan gets a discount of 15% off the total price. Mr Tan wants to make 2 equal payments for the television set. How much does he have to pay each time?

Ans: _____ [4]

14. 1.25 kg of cranberries were mixed with twice as much cashew nuts. 2.3 kg of almonds were added to the mixture. They were then packed into packets of 40 g each.

- (a) How many 40-g packets were there?
(b) How many grams of mixture was left?

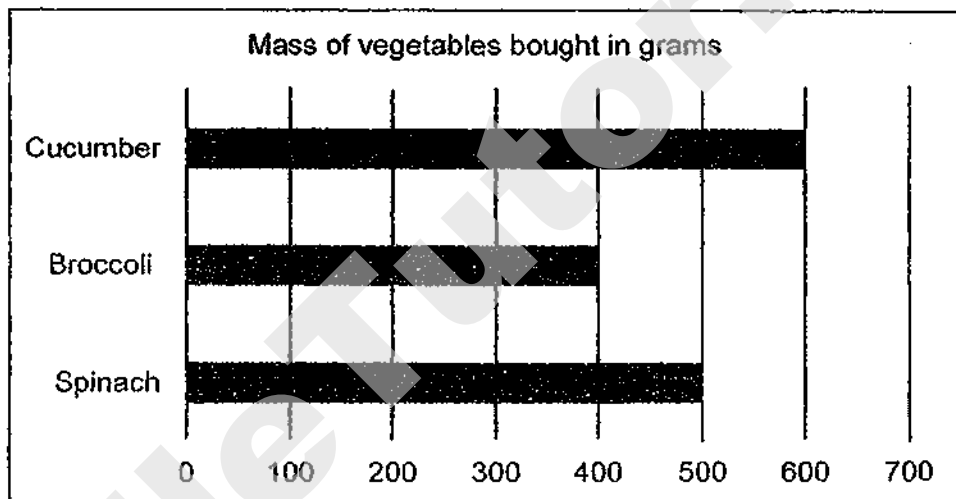
Ans: (a) _____ [3]

(b) _____ [1]

15. Nadra bought three types of vegetables. The prices are given below.

Type of vegetables	Price per 100g of vegetables
Cucumber	73 ¢
Broccoli	\$1.10
Spinach	80 ¢

The bar graph shows the mass of each type of vegetables Nadra bought.



- (a) What fraction of the vegetables Nadra bought were cucumber?
Give your answer in the simplest form.
- (b) (i) Which type of vegetables did Nadra spend the most money on?
(ii) How much did she spend on that vegetable?

Ans: (a) _____ [1]

(b) (i) _____ [1]

(ii) _____ [2]

16. Jin Ting had \$61 to buy 3 boxes of drinks and 4 tins of milk. Instead, she bought 4 boxes of drinks and 3 tins of milk and had \$3 left. Find the cost of a box of drinks.

Ans: _____ [5]

17. A train with some passengers reached Station A and 8 more people boarded the train.

At Station B, $\frac{2}{5}$ of the passengers alighted.

Then at Station C, $\frac{2}{3}$ of the passengers alighted and 3 people boarded the train.

There were 17 people in the train when it left Station C.

How many passengers were there in the train at the start?

Ans: _____ [5]


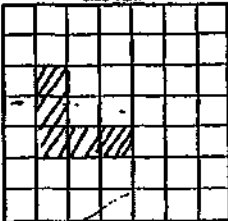
End of Paper 2

SCHOOL : TAO NAN PRIMARY SCHOOL
 LEVEL : PRIMARY 5
 SUBJECT : MATH
 TERM : 2019 SA2

PAPER 1: BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
1	1	1	2	3	1	4	3
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
2	3	2	3	3	4	3	

PAPER 1: BOOKLET B

Q16	$\frac{3}{20}$			
Q17	0.006			
Q18	$35s - 13s = 22s$			
Q19	104°			
Q20	$2.1 + 3.4 + 2.2 + 2.6 + 2.2 = 12.5$ $12.5 \div 5 = 2.5$			
Q21	42			
Q22	$100\% - 45\% = 55\%$ $400 \times \frac{55}{100} = 220\text{eggs}$			
Q23	$(38 + 2 \times 6) - (40 \div 2 - 5)$ $= (38 + 12) - (20 - 5)$ $= 50 - 15$ $= 35$			
Q24	<div><div>Front View</div></div> <div><div>Side View</div></div>			
Q25	1 cube $\rightarrow 2\text{cm} \times 2\text{cm} \times 2\text{cm} = 8\text{cm}^3$ $9 \times 8\text{cm}^3 = 72\text{cm}^3$			
Q26	3 hours $\rightarrow \$18 \times 3 = \54 Total $\rightarrow \$54 + \$66 = \$120$			
Q27	<table><tr><td>15 min</td><td>1 hours</td><td>25 min</td></tr></table> <p>2.45pm 3pm 4pm 4.25pm</p> <p>$1\text{h} + 15\text{min} + 25\text{min} = 1\text{h } 40\text{ min}$ $1\text{h } 40\text{ min} = 100\text{min}$ $100\text{min} \div 2 = 50\text{ min}$ $50\text{min} = \frac{5}{6}\text{ h}$</p>	15 min	1 hours	25 min
15 min	1 hours	25 min		

Q10	$100\% - 85\% = 15\%$ $15\% \div 3 = 5\%$ $2200 \times 5\% = 110$
Q11	$A:S:B \rightarrow 7:2:5$ a) $2u \rightarrow 26$ $1u \rightarrow 26 \div 2 = 13$ $5u \rightarrow 13 \times 5 = 65$ b) $7 + 5 = 12$ $12 - 2 = 10$ $10 - 2 = 8$ Ans $\rightarrow \frac{8}{10} = \frac{4}{5}$
Q12	Rectangle tank $\rightarrow 52 \times 24 \times 18 = 22464 \text{ cm}^3$ $\frac{3}{4}$ Rectangle tank $\rightarrow 22464 \div 4 \times 3 = 16848 \text{ cm}^3$ Half of cubical $\rightarrow \frac{1}{2} \times 34 \times 34 \times 34 = 19652 \text{ cm}^3$ Water needed $\rightarrow 19652 - 16848 = 2804 \text{ cm}^3$ $2804 \text{ cm}^3 = 2804 \text{ ml} = 2 \text{ L } 804 \text{ ml}$
Q13	$\$8000 \times \frac{107}{100} = \8560 $\$8560 \times \frac{85}{100} = \7276 $\$7276 \div 2 = \3638
Q14	Cranberries used $\rightarrow 1.25 \text{ kg} \times 2 = 2.5 \text{ kg}$ Total kg in mixture $\rightarrow 2.5 \text{ kg} + 1.25 \text{ kg} + 2.3 \text{ kg} = 6.05 \text{ kg}$ $40 \text{ g} = 0.04 \text{ kg}$ $6.05 \text{ kg} \div 0.04 \text{ kg} = (151 \text{ R } 0.01) \text{ kg}$ Ans (a) $\rightarrow 151 \text{ } 40\text{-g packets}$ Ans (b) $\rightarrow 0.01 \text{ kg} \rightarrow 10 \text{ g}$
Q15	Total veg $\rightarrow 600 + 400 + 500 = 1500$ Ans (a) $\rightarrow \frac{600}{1500} = \frac{2}{5}$ $6 \times \$0.73 = \4.38 $4 \times \$1.10 = \4.40 $5 \times \$0.80 = \4.00 Ans (b) \rightarrow i) Broccoli, ii) \$4.40
Q16	1 milk - 1 drink = \$3 3 milk - 3 drink = \$3 \times 3 = \$9 $\$58 - \$9 = \$49$ $\$49 \div 7 = \7 Answer: \$7 (cost of a box of drinks)
Q17	Total passenger reach station C: $17 - 3 = 14$ $14 \times 3 = 42$ Total passenger reach station B: $42 \times \frac{5}{3} = 70$ Total passenger at the start: $70 - 8 = 62$