2019
<u>Primary 4 Math</u>

1.	Ai Tong	SA2
2.	Catholic	SA2
3.	Henry Park	SA2
4.	Maha Bodhi	SA2
5.	Maris Stella	SA2
6.	MGS Paya Lebar	SA2
7.	MGS	SA2
8.	Nan Hua	SA2
9.	Nanyang	SA2
10.	Pei Chun	SA2
11.	Red Swastika	SA2
12.	RGPS	SA2
13.	Rosyth	SA2
14.	SCGS	SA2
15.	St Hilda	SA2
16.	Tao Nan	SA2

AI TONG SCHOOL

2019
END-OF-YEAR EXAMINATION
PRIMARY 4

MATHEMATICS

DURATION   :   **1 h 45 min**

DATE   :   **31 OCTOBER 2019**

INSTRUCTIONS
Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name   : _____ (   )

Class : Primary 4 _____

Parent's Signature : _____	
Date : _____	

Marks :

Section A	30
Section B	40
Section C	30
Total	100

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Questions **1** 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 **with a 2B pencil**.

(30 marks)

---

1 In the number 56 789, which digit is in the tens place?

    (1)   5

    (2)   6

    (3)   7

    (4)   8

2 Which of the following numbers when rounded to the nearest ten becomes 87 600?

    (1)   87 544

    (2)   87 596

    (3)   87 606

    (4)   87 654

3 The sum of 73 tens and _____ is 1000.

    (1)   270

    (2)   927

    (3)   1073

    (4)   1730

4   A number is between 20 and 40. It is a multiple of 3.
    When it is divided by 7, there is a remainder of 1. What is the number?

    (1)   22
    (2)   24
    (3)   36
    (4)   39

5   What fraction of the shapes in the box are ?
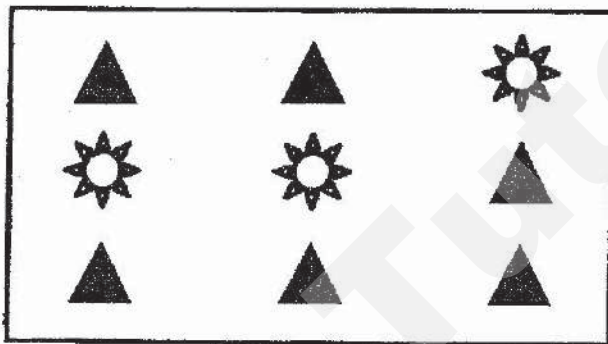
    (1) $\frac{3}{9}$

    (2) $\frac{3}{6}$

    (3) $\frac{6}{9}$

    (4) $\frac{6}{3}$

6   $7\dfrac{5}{6} = \dfrac{\boxed{}}{6}$

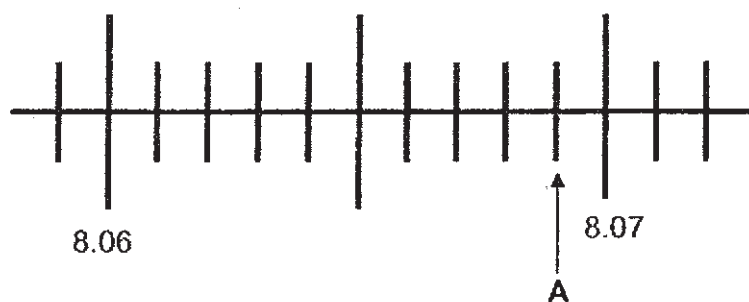What is the missing number in the box?

(1)   35
(2)   37
(3)   42
(4)   47

7   Express 0.08 as a fraction in its simplest form.

(1) $\dfrac{1}{8}$

(2) $\dfrac{2}{25}$

(3) $\dfrac{1}{10}$

(4) $\dfrac{4}{5}$

8   Which of the following names consists of only three symmetric letters?

(1)   **A L E N**

(2)   **C L E O**

(3)   **S E A N**

(4)   **X A V Y**

9   Which of the following decimals is represented by letter A in the number line?

8.06   8.07

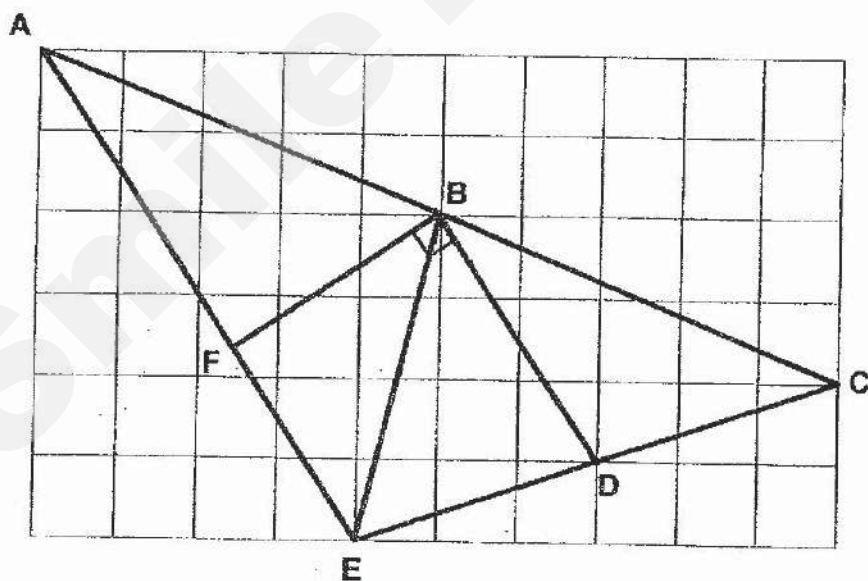   A

(1)   8.067

(2)   8.069

(3)   8.071

(4)   8.079

10   Ravi spent $24.10 on a pair of shorts. He spent $3.95 less on a T-shirt than the pair of shorts. How much did he spend in all?

(1) $20.15

(2) $28.05

(3) $44.25

(4) $52.15

11   Joshua spent 2 h 55 min working on his Science project. He completed the project at 17 10. What time did Joshua start to work on it?

(1)   2.15 p.m.

(2)   3.05 p.m.

(3)   7.10 p.m.

(4)   8.05 p.m.

4

12 The figure shows an 8-point compass. After making a 225° turn in the anti-clockwise direction, Ali is facing north-east (NE) now. Which direction was he facing at first?
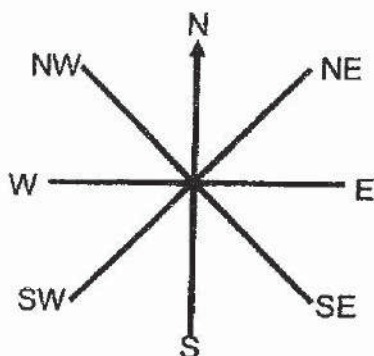
- (1) North
- (2) South
- (3) East
- (4) West

13 In the figure below, which two lines are perpendicular?

- (1) AB and BE
- (2) BD and DE
- (3) FB and BD
- (4) EB and BC

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14 Baker Lee sold $\frac{5}{8}$ of his muffins and had 120 muffins left.
How many muffins did he have at first?

(1) 195

(2) 200

(3) 320

(4) 360

15 The table below shows the favourite sports of some students.
Each student is allowed to choose only one sport.

Favourite sports	Number of students
Volleyball	?
Swimming	17
Soccer	11

$\frac{1}{2}$ of the students like volleyball.
How many students are there?

(1) 22

(2) 28

(3) 34

(4) 56

Questions **16** to **35** carry 2 marks each. Write your answers in the spaces provided. For questions that require units, give your answers in the units stated.   **(40 marks)**

16   Write twenty thousand and sixty-three in figures.

Ans: _____

17   Two factors of 10 are 1 and 10. What are the other two factors of 10?

Ans: _____ and _____

18    $5808 \div 8 =$ _____

Ans: _____

6

19 $9.8 - 0.93 = $ _____

Ans: _____

---

20 Arrange the following numbers from the smallest to the greatest.

$\frac{2}{5}$, 0.405 , 0.045

Ans: _____ , _____ , _____
         (smallest)   (greatest)

---

21 Complete the symmetric figure using Line PQ as the line of symmetry.

6
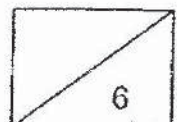
22 There were 7 stalls: S, T, U, V, W, X and Y at a carnival.
Matthew was at position Z. He walked South-east until he reached the first stall.
Next, he walked 4 steps to the west and then 4 steps to the north.

(a)   Which was the first stall that he went?

(b)   At which stall would he be in the end?
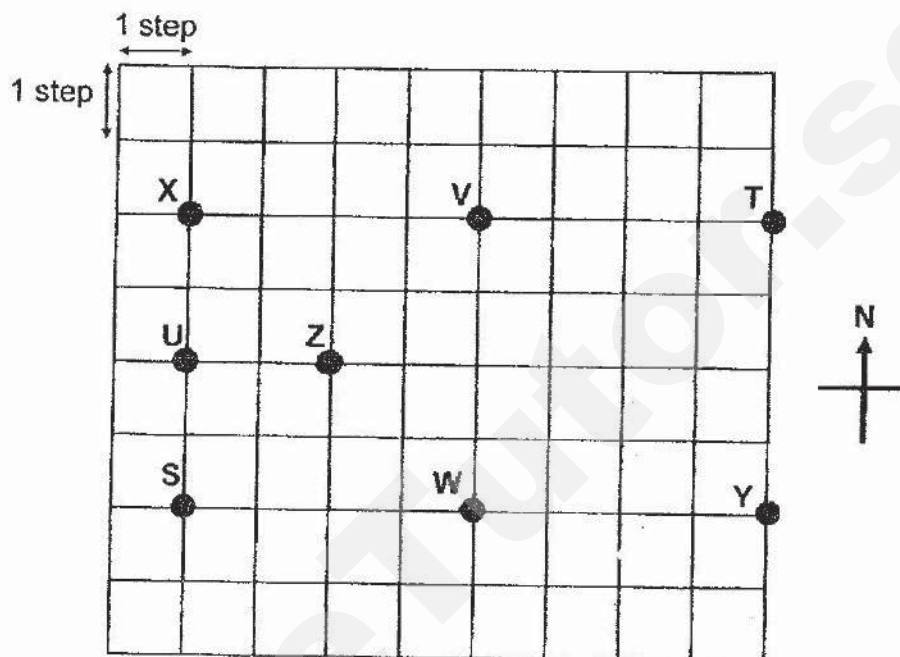
Ans: (a) _____

(b) _____

23   Find the value of $1 - \dfrac{1}{9} - \dfrac{1}{3}$.

Ans: _____
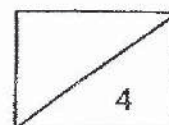
24 Arrange the following fractions from the greatest to the smallest

$$\frac{1}{2} \quad , \quad \frac{5}{6} \quad , \quad \frac{7}{12}$$

Ans:_____, _____, _____

(greatest)   (smallest)

25 Find the value of 7.38×6.

Ans: _____

26 Measure and write down the size of ∠x.

Ans:_____ °

6
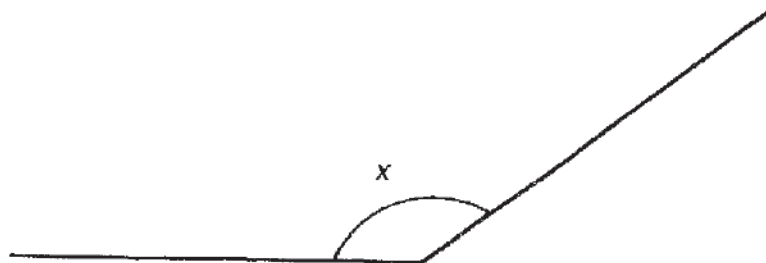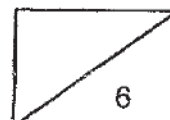
27   A rectangular piece of paper is folded at one of its corners as shown. Find ∠y.
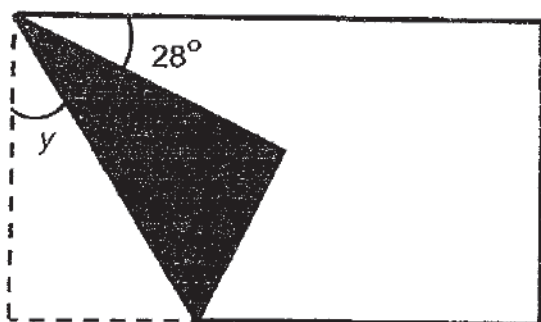
Ans:_____ °

28   Mariam went for a movie on Saturday.
The movie started at 8.05 p.m. and lasted 2 h 40 min.
What time did the movie end?
Give your answer using the 24-hour clock.
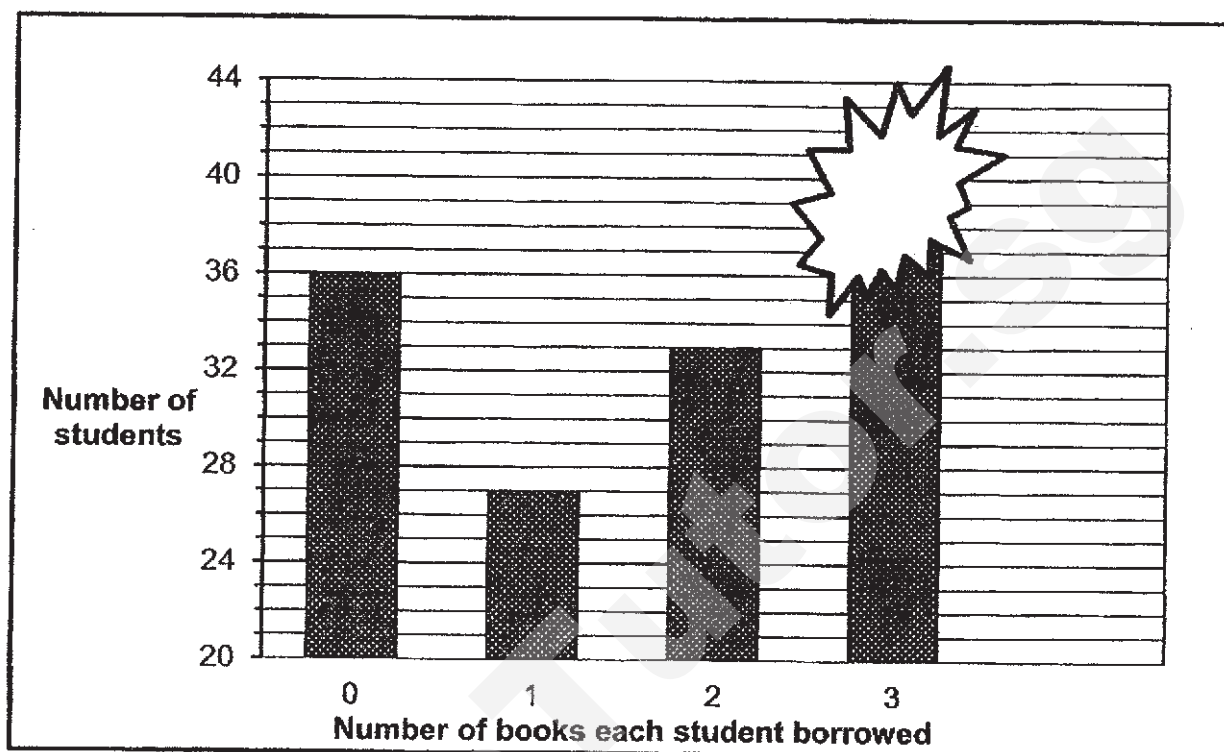
Ans: _____

29   Terry started cycling from Pasir Ris Park to Punggol Park at 11 45.
He reached Punggol Park at 14 15.
How long did he take to cycle from Pasir Ris Park to Punggol Park?
Give your answer in **minutes**.

Ans:_____ min

6
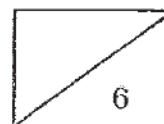
Study the graph and answer **questions 30 and 31.**

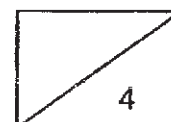The bar graph shows the number of students who borrowed books in Marvel School in a week.

30   What was the difference between the number of students who borrowed only 1 book and the number of students who did not borrow any book?

Ans: _____

31   There were 75 students who borrowed at least 2 books.
How many of these students borrowed 3 books?

Ans: _____

4

32 Mr Oman mixed 18.56 litres of water with 5.62 litres of maple syrup.
He then poured the mixture equally into 6 jugs.
How many litres of mixture were there in each jug?

Ans: _____ litres

---

33 The figure below shows the mass of 2 different types of balls at a sports shop.
Find the mass of one basketball.

basketball

baseballs

baseballs

Ans: _____ g

13

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4
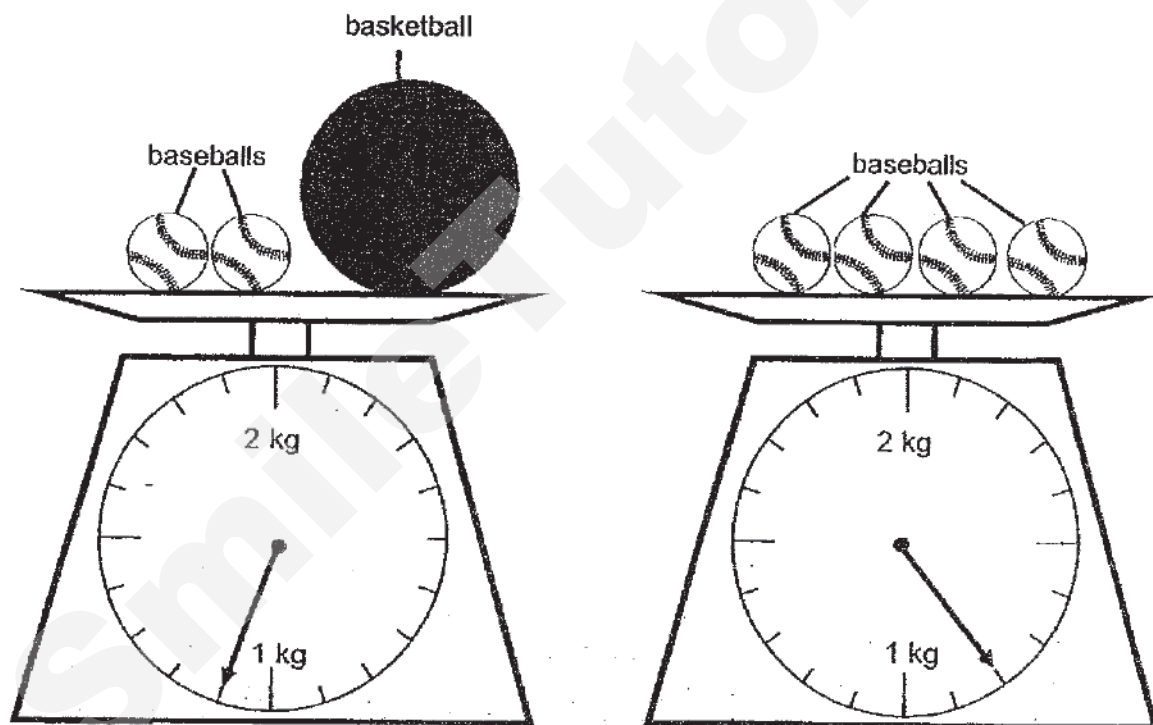
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34 Lilian has a picture 12 cm by 9 cm.
She cuts out a rectangular piece 5 cm by 3 cm from the picture.
What is the area of the picture left?
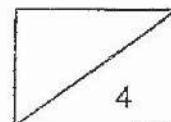

12 cm

5 cm

9 cm

3 cm
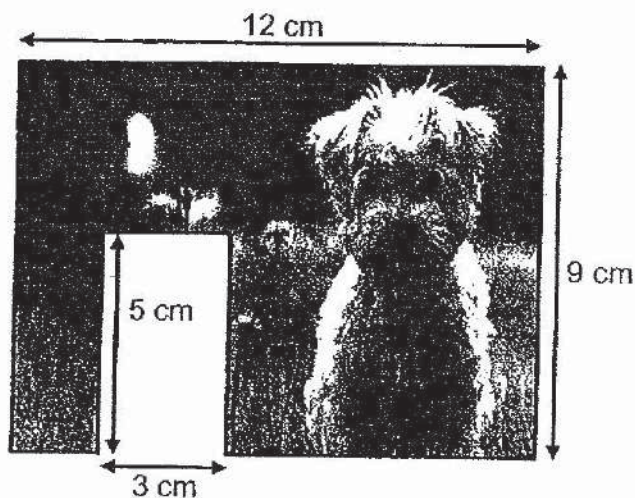
Ans: _____ cm²

---

35 25 lamp posts were placed in a straight row at an equal distance apart.
The distance between the 1st lamp post and the 5th lamp post was 40 m.
What was the distance between the first lamp post and the last lamp post?

1st   5th   25th

40 m

?

Ans: _____ m

4
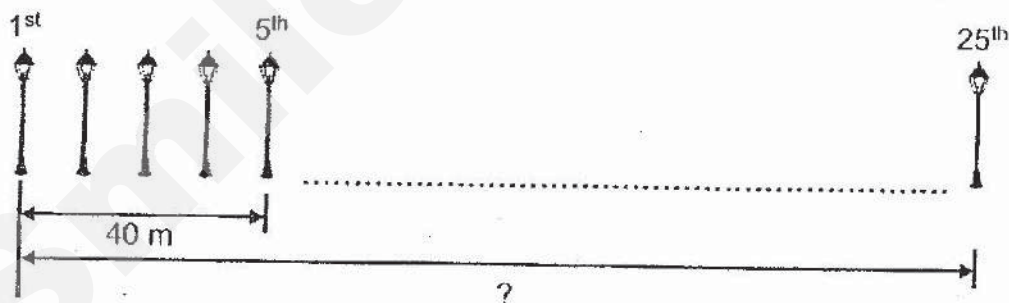
Questions **36** to **37** carry 3 marks each. Questions **38** to **43** carry 4 marks each. Show your working clearly in the space provided below each question and write your answers and units in the spaces provided.
                                                                                              (30 marks)

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36   The total mass of two parcels is 35.96 kg
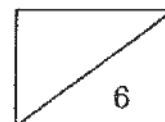   Parcel A is 2.8 kg lighter than Parcel B.
      Find the mass of Parcel A.

Ans: _____ [3]

37

Fossil Museum

Entrance fees:
Adult: $9.80 each
Child: $7 each
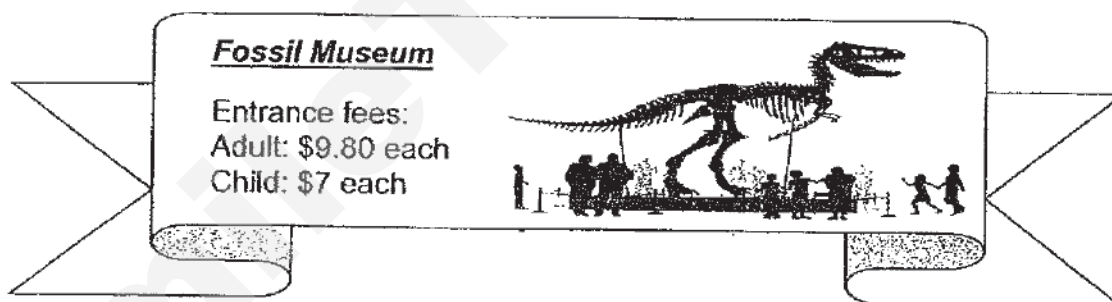
Mr Selvi, his wife, both of his parents and his six-year-old daughter went to the museum. How much did Mr Selvi have to pay for the tickets altogether?
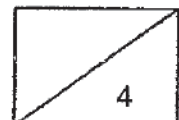
Ans: _____ [3]

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38 Mr Tan bought a rice cooker, a refrigerator and an oven for $2511 altogether.
    The refrigerator cost 3 times as much as the oven.
    The oven cost 2 times as much as the rice cooker.

    (a)   What was the cost of the rice cooker?

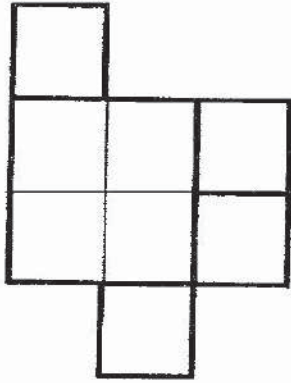   (b)   What was the cost of the refrigerator?

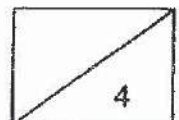   Ans: (a) _____ [2]

                                                         (b) _____ [2]

4

39   The figure below is made up of 1 big square and 4 identical small squares. The area of the figure is 288 cm².

(a)   What is the area of each small square?
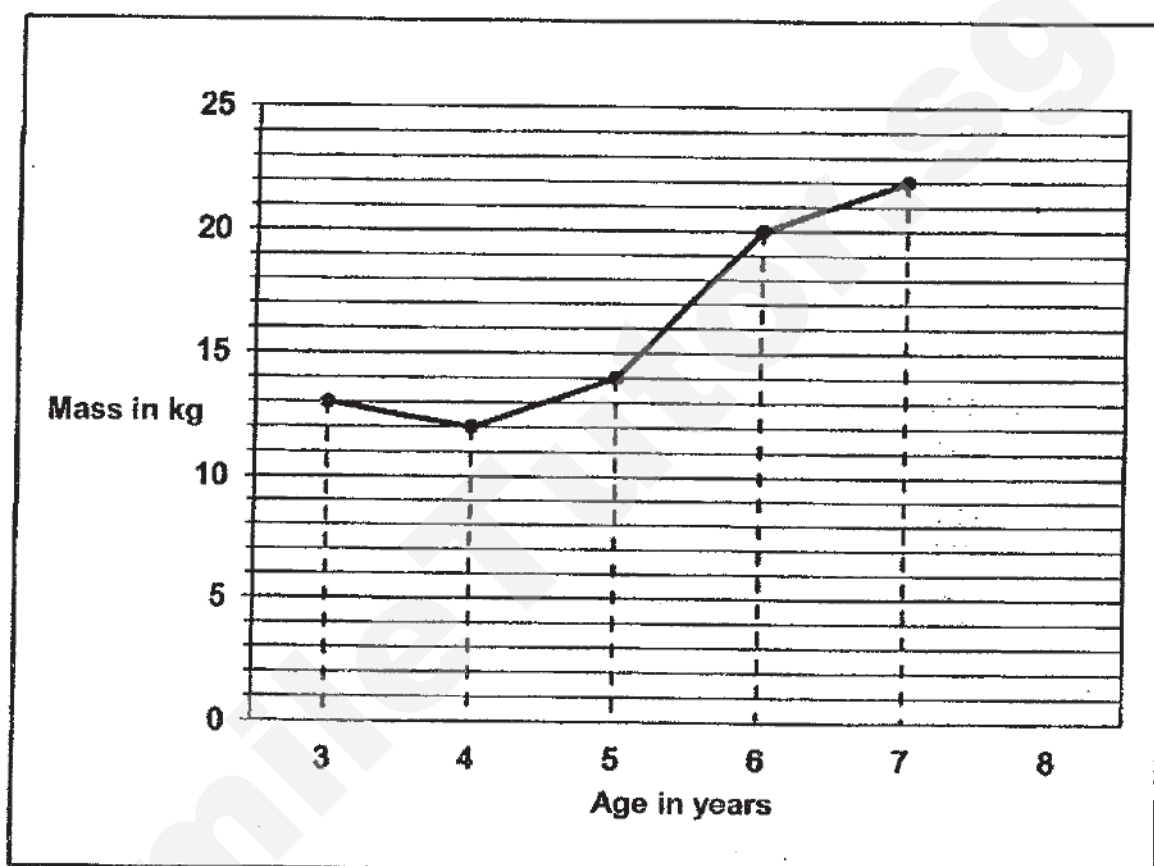
(b)   What is the length of each side of the small square?

Ans: (a) _____ [2]

(b) _____ [2]

4

40   The chart shows the mass of Eric each year from 3 years old to 8 years old.
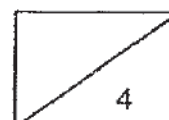
(a)   (i)   Between which 2 years of age did Eric gain the most mass?

(ii)   How much mass did Eric gain during these 2 years?

(b)   When Eric was 8 years old, he was 9 kg more than his recorded mass at 4 years old. What was his mass at 8 years old?

Ans: (a) (i) Between _____ and _____ [1]

(ii) _____ [1]

(b) _____ [2]

4

41 Siti used $\frac{1}{4}$ of a roll of ribbon to tie a present.

She then used $\frac{1}{6}$ of the ribbon to decorate her scrapbook and another $\frac{1}{4}$ of the ribbon to tie her hair.

   (a)   What fraction of the roll of ribbon had she left?
         Express the fraction in its simplest form.

   (b)   Siti had 52 cm of the ribbon left.
   What was the length of the ribbon she had at first?

Ans: (a) _____ [2]

(b) _____ [2]

2019 P4 Math End-of-Year Exam

4

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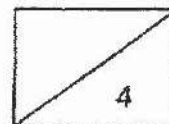
42   In the figure below, two sides of a rectangle ABCD have been drawn on the square grid.
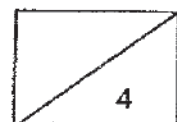
   (a)   Complete the drawing of rectangle ABCD. Label point D.

   (b)   Draw a straight line from A to C.
         Measure the length of AC. What is the length of AC?

   (c)   Measure ∠CAB. What is the size of ∠CAB?
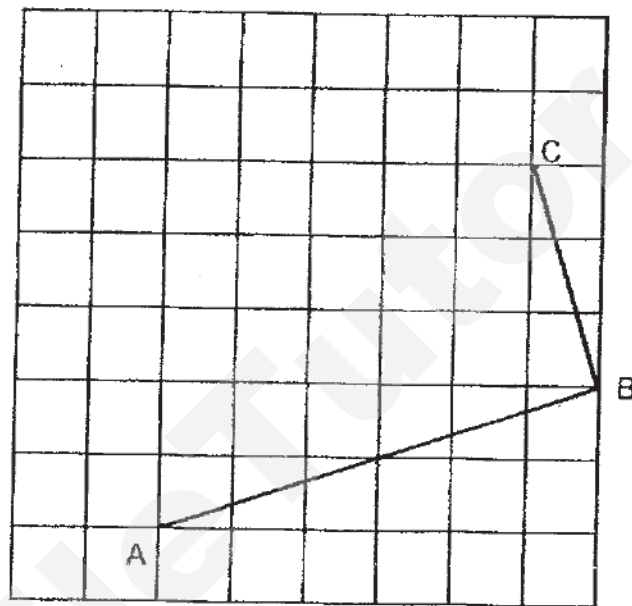
Ans: (a) <u>To be drawn on the diagram</u> [2]

   (b) _____ [1]
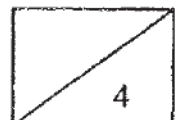
   (c) _____ [1]

2019 P4 Math End-of-Year Exam

4

43 Ailing and Yamin had the same amount of money at first.
    After Ailing saved another $460 and Yamin spent $72, Ailing had 3 times as much money as Yamin.

    (a) How much more money had Ailing than Yamin in the end?

    (b) How much money did each of them have at first?

Ans: (a) _____ [1]

      (b) _____ [3]

End-of-paper
Check your work carefully
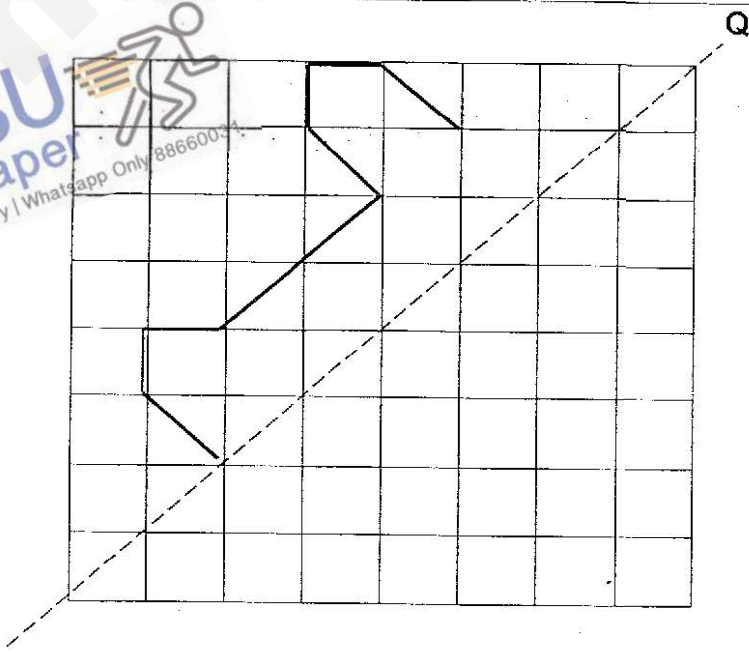
21

4

SCHOOL : AI TONG PRIMARY SCHOOL
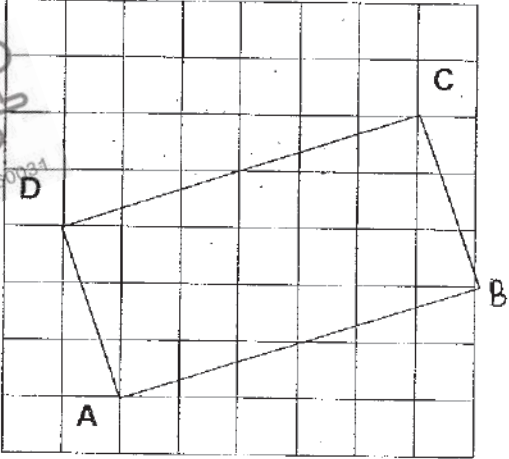
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2019 SA2

BOOKLET A

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

Q 11	Q12	Q13	Q14	Q15
1	4	3	3	4

BOOKLET B

Q16)	20063
Q17)	2 and 5
Q18)	726
Q19)	8.87
Q20)	0.045 , $\frac{2}{5}$, 0.405
Q21)	

Q22)	a) W
	b) X
Q23)	$\dfrac{8}{9} - \dfrac{1}{3} = \dfrac{8}{9} - \dfrac{3}{9} = \dfrac{5}{9}$
Q24)	$\dfrac{5}{6}$, $\dfrac{7}{12}$, $\dfrac{1}{2}$
Q25)	44.28
Q26)	144°
Q27)	31°
Q28)	2245
Q29)	2h30min = 120min + 30min = 150min
Q30)	36 − 27 = 9
Q31)	75 − 33 = 42
Q32)	4.03
Q33)	700g
Q34)	93cm²
Q35)	40 ÷ 4 = 10
	25 − 1 = 24
	24 x 10 = 240m
Q36)	35.96 − 2.8 = 33.16
	33.16 ÷ 2 = 16.58

Q37)	$9.80 \times 4 = 39.20$ $39.20 + 7 = \$46.20$
Q38)	a) $2511 \div 9 = \$279$ b) $279 \times 6 = \$1674$
Q39)	a) $288 \div 8 = 36cm^2$ b) $36 = 6 \times 6cm$
Q40)	a)i) 5 years old and 6 years old ii) $20 - 14 = 6kg$ b) $12 + 9 = 21$ kg
Q41)	a) $\frac{3}{12} + \frac{2}{12} + \frac{3}{12} = \frac{8}{12}$ $\frac{12}{12} - \frac{8}{12} = \frac{4}{12}$ $\frac{4}{12} = \frac{1}{3}$ b) $52 \times 3 = 156cm$
Q42)	a)
Q42)	b) 7.2cm c) 26°

Q43)	a)460 + 72 = $532
	b)532 ÷ 2 = 266
	266 + 72 = $338

CATHOLIC HIGH SCHOOL
End-OF-YEAR EXAMINATION (2019)
PRIMARY FOUR
MATHEMATICS

Name : _____ ( )

Class: Primary 4 _____

Date: 25 Oct 2019

Duration: 1 h 45 min

Parent's Signature: _____

Section A	40
Section B	40
Section C	20
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.

For section A, shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 20 printed pages excluding the cover page.

Questions **1** to **20** 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.   (40 marks)

1.   What is the missing number?

3 ten thousands + 5 thousands + 8 ones = _____

(1)   358

(2)   3058

(3)   5038

(4)   35 008

(   )

2.   Which of the following is a multiple of both 6 and 8?

(1)   12

(2)   2

(3)   16

(4)   24

(   )

3   Which of the following numbers when rounded to the nearest hundred becomes 19 800?

(1)   19 705

(2)   19 749

(3)   19 801

(4)   19 850

(   )

(Go on to the next page)

4. Which of the following is **not** a factor of 12?

    (1)   8

    (2)   2

    (3)   3

    (4)   4   (   )

5. $\dfrac{1}{3} + \dfrac{1}{6} = $ _____

    (1) $\dfrac{1}{18}$

    (2) $\dfrac{2}{9}$

    (3) $\dfrac{1}{2}$

    (4) $\dfrac{2}{3}$ (   )

6. In the number 43.21, which digit is in the tenths place?

    (1)   1

    (2)   2

    (3)   3

    (4)   4   (   )

7. $6\dfrac{2}{5} = \dfrac{\square}{5}$

What is the missing number in the box?

    (1)   12

    (2)   28

    (3)   30

    (4)   32   (   )

8. Mary had 17 bags of marbles. Each bag contained 25 marbles. She repacked all the marbles equally into 5 boxes. How many marbles were there in each box?

(1) 40

(2) 85

(3) 200

(4) 425

(   )

9. Abby saved 5 times as much as Ben. They saved $4860 altogether. How much did Ben save?

(1) $810

(2) $972

(3) $4855

(4) $4865

(   )

10. The price of pens sold in a shop is as follows.

1 pen costs $2.25
A bundle of 4 pens costs $5.70

Roger wants to buy 9 pens. What is the least amount he has to pay?

(1) $7.95

(2) $11.40

(3) $13.65

(4) $20.25

(   )

3   (Go on to the next page)

11. Jerry bought 8.8 kg of flour. He used 2.95 kg of the flour to make some cookies. How much flour had Jerry left?

   (1)   2.27 kg

   (2)   3.63 kg

   (3)   3.85 kg

   (4)   9.75 kg   (   )

---

12. The perimeter of a square is 36 cm. Find the length of the square.

   (1)   6 cm

   (2)   9 cm

   (3)   12 cm

   (4)   144 cm   (   )

---

13. The figure below is made up of 2 squares, P and Q, and a rectangle R. Find the area of rectangle R.
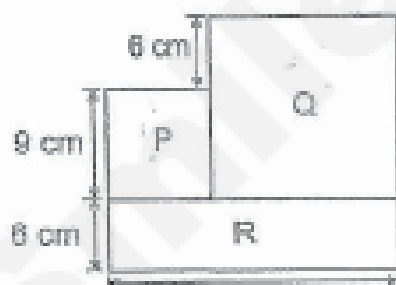
   (1)   54 cm²

   (2)   144 cm²

   (3)   216 cm²

   (4)   255 cm²   (   )

14. In the square grid, which of the following figures is symmetrical?

(1) Z

(2) M

(3) P

(4) F

( )

---

15. Find the perimeter of the following figure. (All lines meet at right angles)

34 cm
14 cm
20 cm
58 cm
20 cm
14 cm
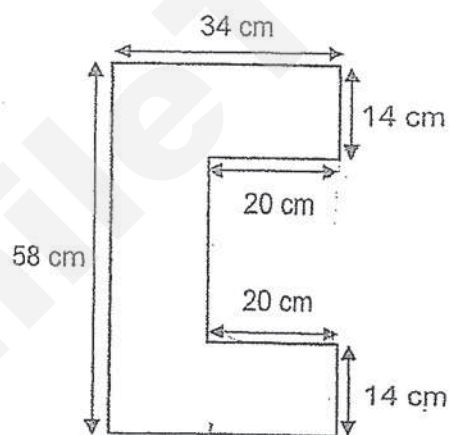
(1)   160 cm
(2)   184 cm
(3)   204 cm
(4)   224 cm

( )

5   (Go on to the next page)

16. Peter is standing at point A. After turning 135° anti-clockwise, Peter is facing south-east. Which point was Peter facing at first?
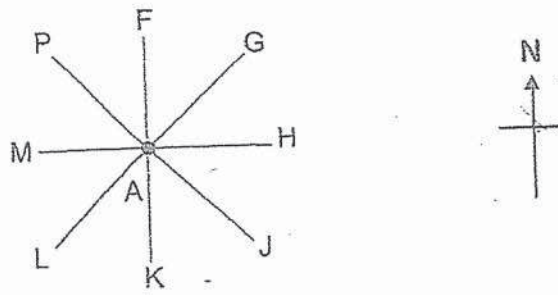
(1) F

(2) M

(3) H

(4) K   (   )

---

17. In the figure below, ABCD is a square. ∠x = ∠y = ∠z. Find ∠x.
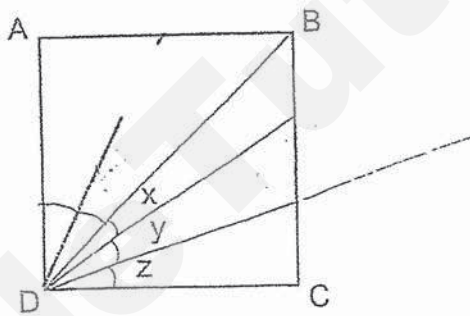
(1) 15°

(2) 30°

(3) 45°

(4) 60°   (   )

---

18. Danny left home at 17 00 for the cinema. He spent 2 h 20 min in the cinema. He left the cinema at 19 35.
How long did he take to travel to the cinema?

(1) 5 min

(2) 15 min

(3) 20 min

(4) 35 min   (   )

6   (Go on to the next page)

Study the map below carefully and answer questions 19 and 20.
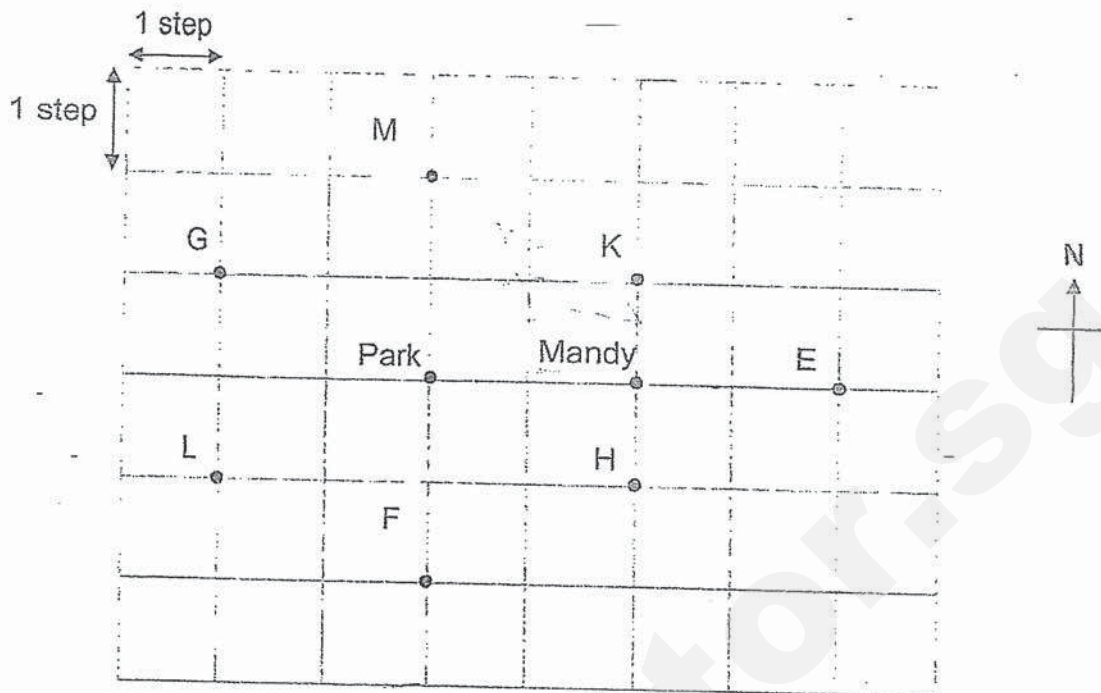
19. Mandy was facing the park. She made a $\frac{1}{4}$-turn in a clockwise direction. Which point was she facing at the end?

   (1)   F
   (2)   H
   (3)   K
   (4)   M

                                                                    (   )

20. Nathan left his house to go to the park. He took 3 steps north, 2 steps east and 2 steps south from his house to the park. Which point was his house?

   (1)   G
   (2)   H
   (3)   L
   (4)   K

                                                                    (   )

END OF SECTION A

(Go on to the next page)

Questions 21 to 40 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. (40 marks)

21.   Write fifteen thousand and twelve in figures.

Ans:_____

22.   Write the missing number in the number pattern below.

14 200 , 14 100 , 14 000 , _____?_____ , 13 800 , 13 700

Ans:_____

23. $0.7 + 54.32 =$ _____

Ans:_____

24. Express $3\frac{1}{50}$ as a decimal.

Ans:_____

25. Find the value of $1 - \frac{1}{3} - \frac{7}{12}$.

Ans:_____

26. In the figure below, what is the length of the eraser in cm?

Give your answer as a decimal.

Ans:_____ cm

9 (Go on to the next page)
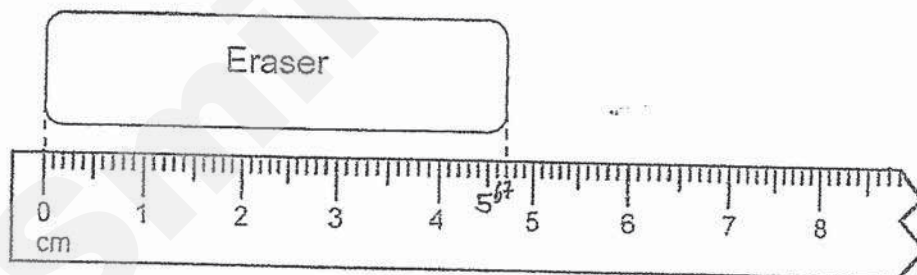
27. Some of the factors of 32 are 1, 2, 8 and 32.

What are the other two factors of 32?

Ans:_____

28. How many quarters are there in $9\frac{3}{4}$?

Ans:_____

29. When a number is divided by 6, it has a quotient of 1207 and a remainder of 3. What is the number?

Ans:_____

10

30. How many more triangles must be shaded so that $\frac{3}{5}$ of the figure is shaded? —

Ans:_____
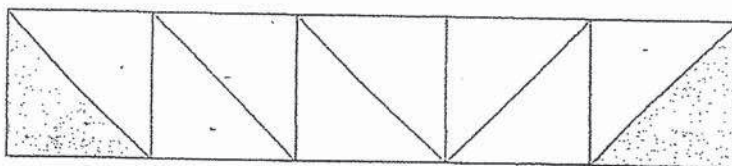
31. The table below shows the favourite food of all the pupils in 2 classes. Each pupil chose only 1 favourite food.

Class	Burgers	Fried Rice	Pizza
4X	13	17	12
4Y	21	6	11

Each of the statements 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
(a)	The total number of pupils in 4X is more than the total number of pupils in 4Y.			
(b)	More girls than boys in 4Y like burgers.			

(Go on to the next page)

32. Tom and Sandy have a total of 2460 beads. Sandy has twice as many beads as Tom. How many beads must Sandy give to Tom so that each of them has an equal number of beads?

Ans:

33. $64 was shared by 5 boys equally. How much money did 2 boys receive?

Ans:$ _____

34. Dayrus paid $9.60 for 5 pens and a marker. 1 marker cost thrice as much as a pen. How much did a pen cost?

Ans:$ _____

(Go on to the next page)

35. The poster below shows the opening hours of a clinic on a Saturday. How long is the clinic open on a Saturday?

Clinic's Opening Hours

Saturday

08 00 to 12 30

14 30 to 16 45

Ans:_____ min

36. Measure and write down the size of ∠x.

Ans:_____ °

13

(Go on to the next page)

37.   In the square grid below, shade two unit squares so that the dotted line
        is a line of symmetry.
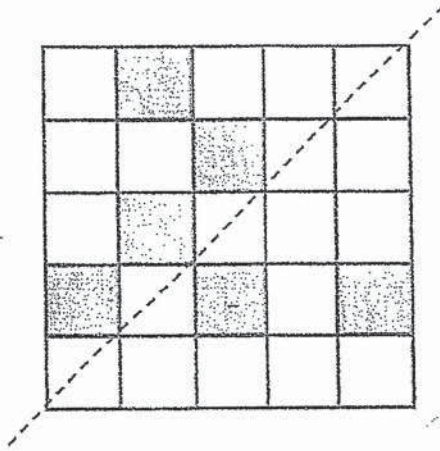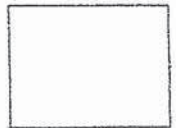
38.   In the square grid below, draw a rectangle from the given lines.
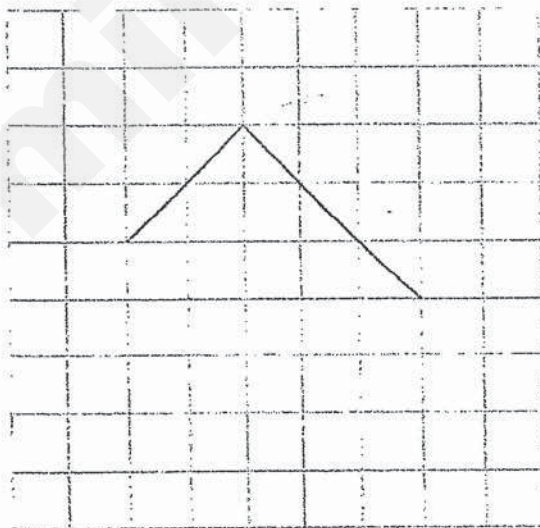
The line graph below shows the number of apples sold from Monday to Friday. Study the following graph carefully and use it to answer questions 39 and 40.

Apples sold over 5 days
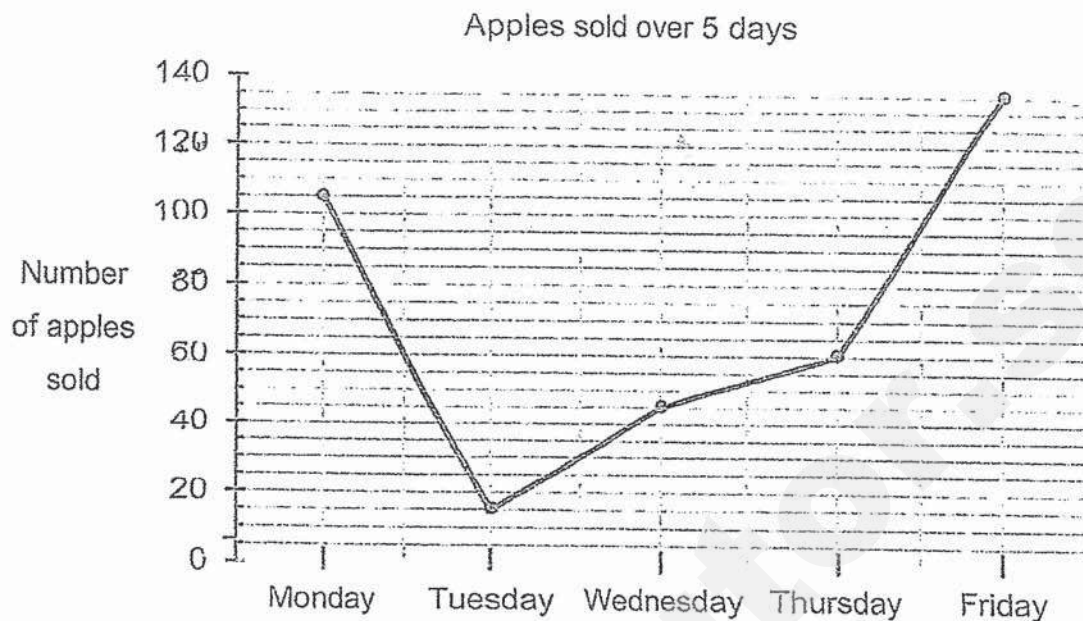
39. On which day was the number of apples sold 3 times the number of apples sold on Wednesday?

Ans:_____

40. During which 1-day interval was the increase in the sale of the apples the greatest?

Ans: From _____ to _____

Total marks for question 21 to 40

END OF SECTION B

/40

(Go on to the next page)

42. Ethan had some money at first. He spent $\frac{4}{9}$ of it on a meal and $58 on groceries. He then had $72 left.

(a) How much money did he have at first?
(b) How much money did he spend on the meal?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

For Questions **41** to **45**, 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. All diagrams are not drawn to scale.

(20 marks)

41. Larry had 35 more cookies than Kenny. Matthew had twice the total number of cookies that Larry and Kenny had. The 3 boys had 717 cookies altogether. How many cookies did Kenny have?

Ans:_____ [4]

16 (Go on to the next page)
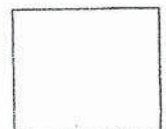
43. The total mass of a container and a watermelon was 2.36 kg. When some oranges were added to the container, the total mass became 3.26 kg. The mass of the watermelon was twice the mass of all the oranges.
(a) Find the mass of the watermelon.
(b) Find the mass of the container.
Give your answer in kilograms.

Ans: (a)_____ [2]

(b)_____ [2]

(Go on to the next page)

44. The following figure is formed by 4 identical shaded rectangles and an unshaded square. The area of the unshaded square is 49 cm².
Find the total area of the 4 shaded rectangles.

49 cm²

← 2 cm →

Ans:_____ [4]

(Go on to the next page)

Need a home tutor? Visit smiletutor.sg
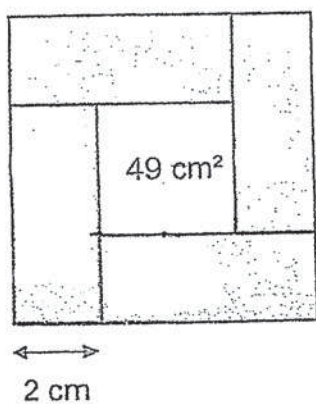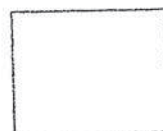
45. The patterns below are made up of identical shaded and identical unshaded squares.
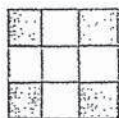
Pattern 1   Pattern 2   Pattern 3
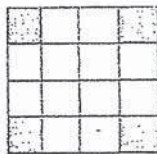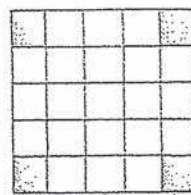
Pattern Number	Number of shaded squares	Number of unshaded squares	Total number of squares
1	4	5	9
2	4	12	16
3	4	21	25

a) Find the total number of squares in Pattern 4.

Ans: _____ [1]

b) Find the number of unshaded squares in Pattern 4.

Ans: _____ [1]

c) Which Pattern Number has a total of 100 squares?

Ans: _____
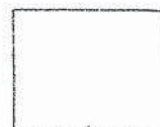
END OF PAPER

ANSWER KEY

YEAR   : 2019
LEVEL   : PRIMARY 4
SCHOOL : CATHOLIC HIGH SCHOOL
SUBJECT : MATHEMATICS
TERM   : END YEAR EXAMINATION

SECTION A

Q1	4	Q2	4	Q3	3	Q4	1	Q5	3
Q6	2	Q7	4	Q8	2	Q9	1	Q10	3
Q11	3	Q12	2	Q13	2	Q14	2	Q15	4
Q16	2	Q17	1	Q18	2	Q19	3	Q20	3

SECTION B

Q21) 15 012

Q22) 13 900

Q23) 55.02

Q24) 3.02

Q25) $\frac{1}{12}$

Q26) 4.7cm

Q27) 16, 4

Q28) 39

Q29) 7245

Q30) 4

Pg 1

Q31) a: true   b: Not possible to tell

Q32) 410

Q33) $25.60

Q34) $1.20

Q35) 6h 45min

Q36) 135°

Q37)
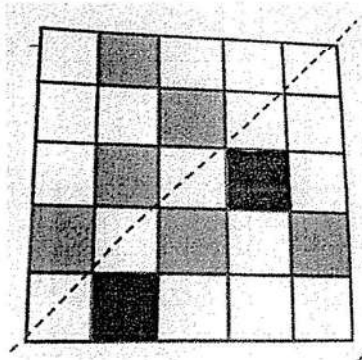
Q38)
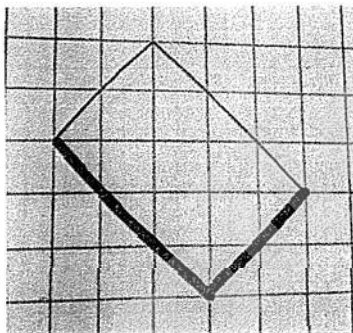
Q39) Friday

Q40) Thursday to Friday

Pg 2

SECTION C

Q41) 35 x 3 = 105

    6u → 717 − 105

      = 612

    1u → 612 ÷ 6

      = <u>102</u>

Q42a) 5u → 58 + 72

      = 130

    1u → 130 ÷ 5

      = 26

    9u → 26 x 9

      = <u>$234</u>

Q42b) 4u → 26 x 4

      = <u>$104</u>

Q43a) 3.26 − 2.36 = 0.9

    0.9 x 2 = <u>1.8kg</u>

Q43b) 3.26 − 1.8 − 0.9 = <u>0.56kg</u>

Q44) Length of Rec → 7 + 2

      = 9

    Breadth of Rec → 2

    Area of Rec → 9 x 2

      = 18

    Total area of 4 shaded Rec → 18 x 4

           = <u>72cm²</u>

Pg 3

Q45a) 36

Q45b) 32

Q45c)

Pattern number	Number of shaded squares	Number of unshaded squares	Total number of squares
5	4	45	49
6	4	60	64
7	4	77	81
8	4	96	100

ANS : <u>8</u>

END

pg 4.

HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 4

Name: _____ (   )

Class: Primary 4 _____

Parent's Signature

_____

Duration of Paper: 1 h 45 min

Marks:

Section A (MCQ)	20
Section B (Open-Ended)	50
Section C (Problem Sums)	30
Total	100

Read each question carefully. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals on the Optical Answer Sheet.

1. In which of the following numbers does the digit 7 stand for 70?

   (1) 5807
   (2) 5870
   (3) 7085
   (4) 8705   (   )

2. In which of the following are the numbers arranged from the smallest to the greatest?

(smallest)		(greatest)
(1) 3026 ,	3602 ,	3206
(2) 3602 ,	3026 ,	3206
(3) 3026 ,	3206 ,	3602
(4) 3602 ,	3206 ,	3026

   (   )

3. How many one-fifths are there in 2 wholes?

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

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

   (3) 5

   (4) 10   (   )

4. Express $\frac{49}{100}$ as a decimal.

(1) 0.409
(2) 0.049
(3) 0.49
(4) 4.09

( )

5. In the figure below, what is the length of the pencil in cm?
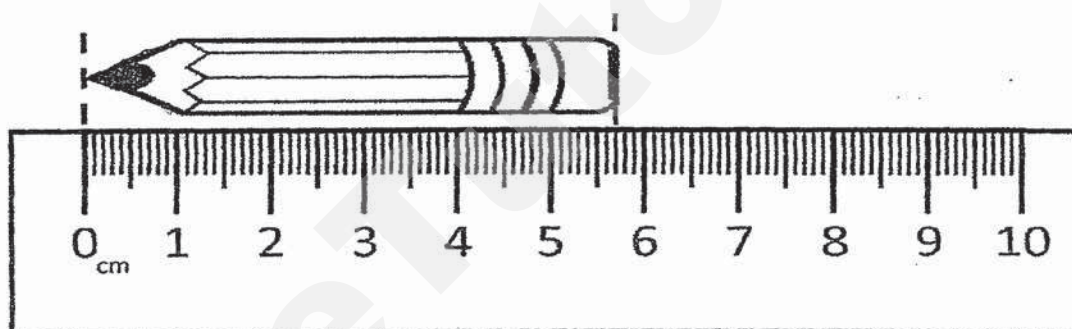
(1) 5.2 cm
(2) 5.7 cm
(3) 6.3 cm
(4) 6.7 cm

( )

6. Which of the following figures has perpendicular lines?

(1) M

(2) A

(3) Z

(4) E

( )

7. The perimeter of rectangle ABCD is 40 cm.
Given that AB is 8 cm, find the length of BD.
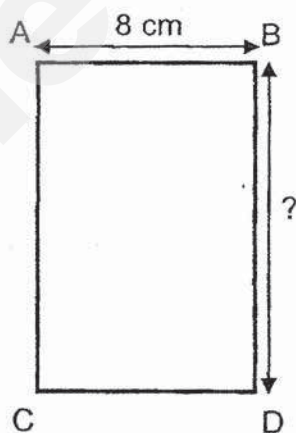
(1) 5 cm

(2) 12 cm

(3) 16 cm

(4) 32 cm

( )

8. The bar graph below shows the amount of money spent by 4 children.
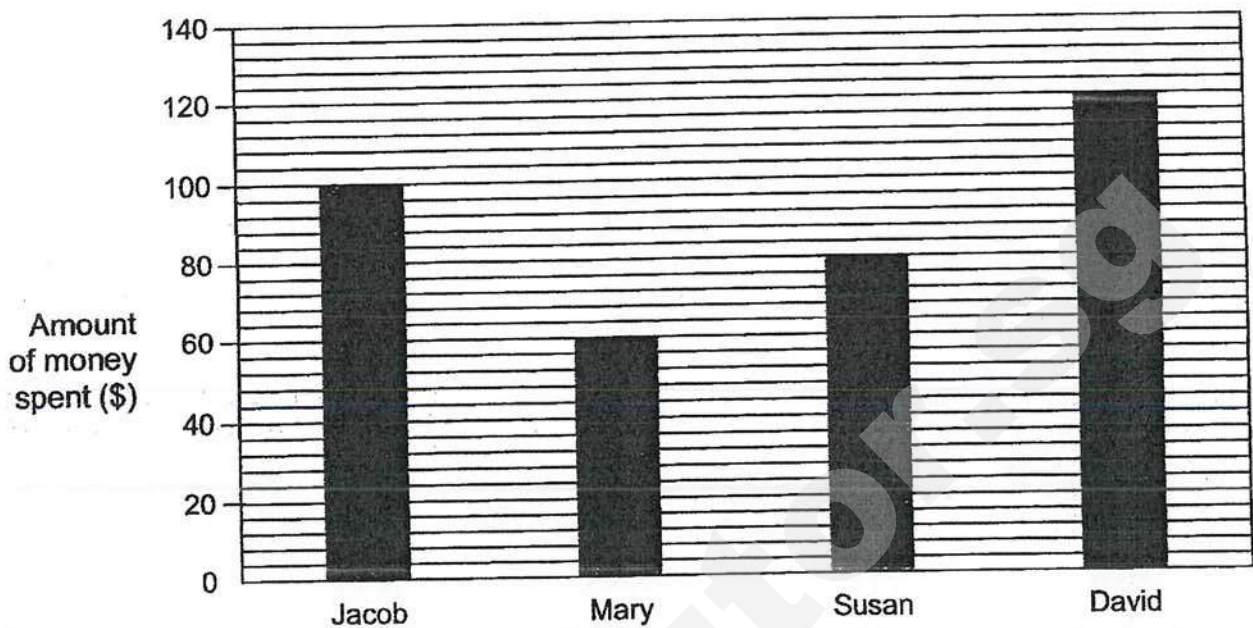
Name the child/children who spent more than $80?

(1) Susan

(2) Mary and Susan

(3) Jacob and David

(4) Susan, Jacob and David ( )

9. Marie had 270 stickers. She gave $\frac{3}{10}$ of her stickers to her sister.
   How many ~~stamps~~ stickers did Marie have left?

(1) 27

(2) 81

(3) 90

(4) 189 ( )

10. Which of the following figure(s) has/have at least two pairs of parallel lines?
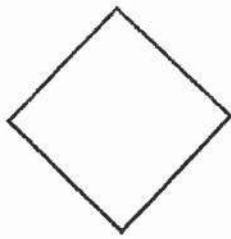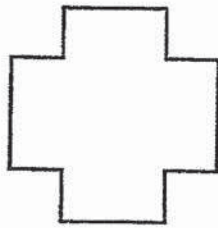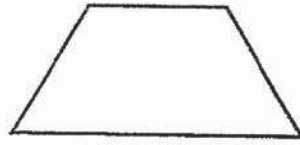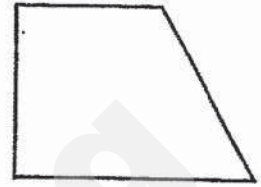
A   B   C   D

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

( )

(Go on to Section B)
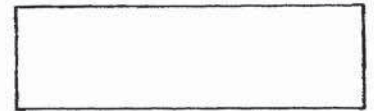
Section B: Open-Ended Questions (25 x 2 marks = 50 marks)
Read the questions carefully and write the correct answer in the blanks provided.
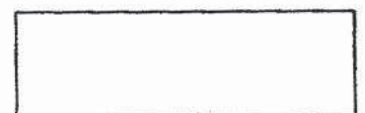Show all workings clearly.
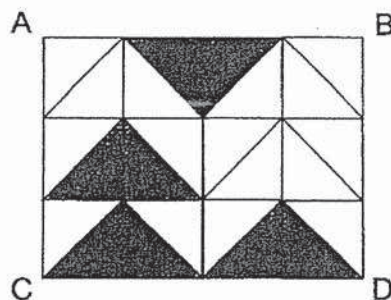
11. Write forty-five thousand and eleven in figures.

12. Find the product of 1982 and 6.

13. What is the remainder when 2064 is divided by 7?

14. In the figure below, rectangle ABCD is made up of 12 unit squares. What fraction of rectangle ABCD is shaded?
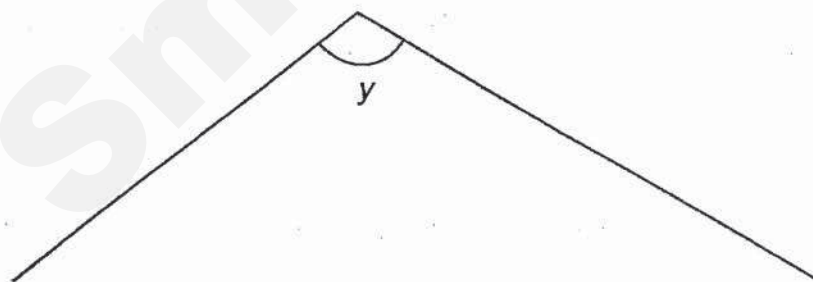

15. $\dfrac{2}{5} + \dfrac{1}{10} =$ _____

16. Write $\dfrac{15}{7}$ as a mixed number.

17. Write 7 thousandths as a decimal.
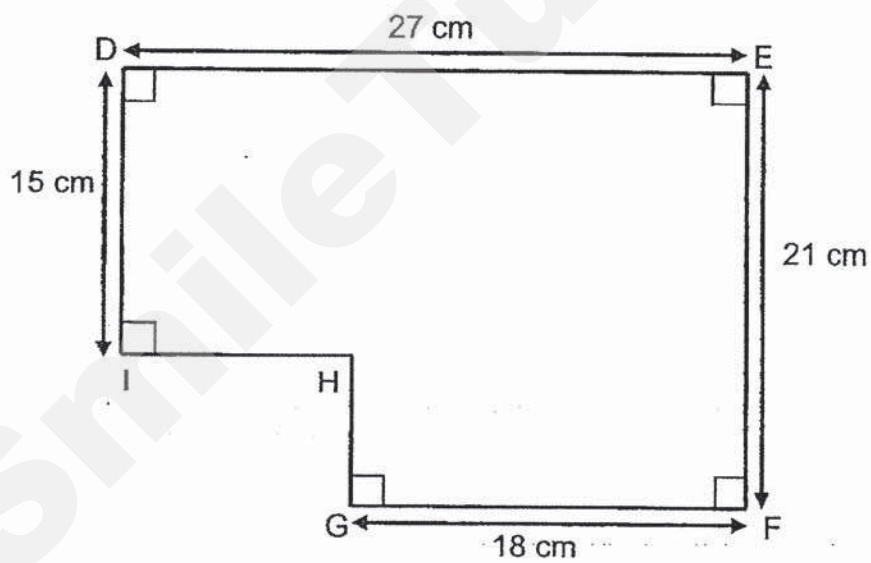
18. Round 17.88 to the nearest whole number.

19. Measure and write down the size of ∠y.
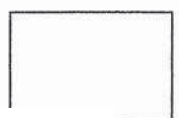

°

20. Study the number pattern below. What is the missing number in the box?

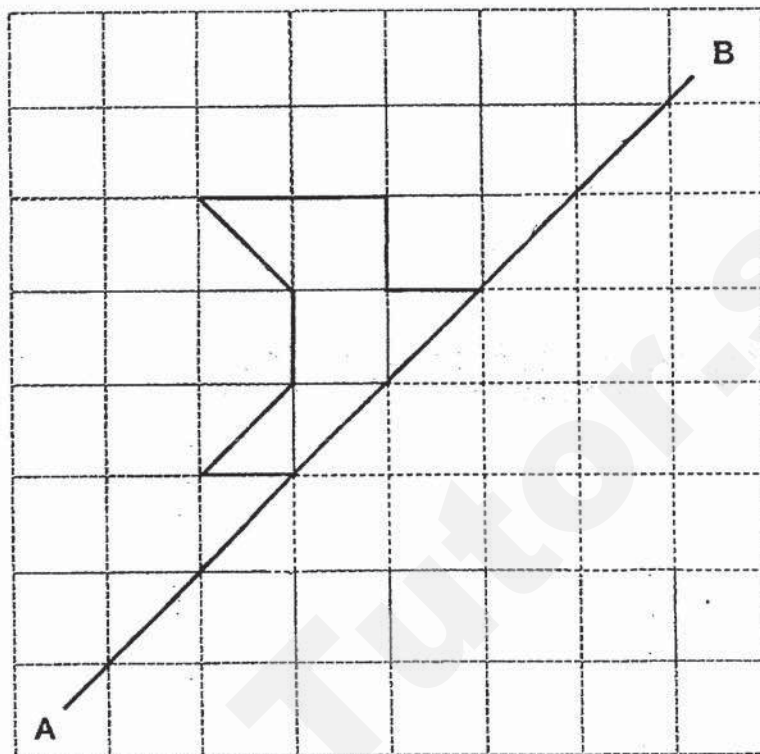2834,   2709,   2584,   2459,   [?],   2209

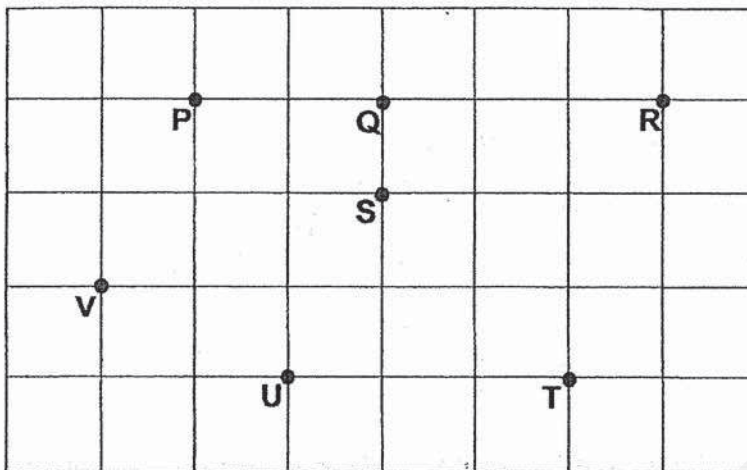21. Find the perimeter of the figure below.

cm

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

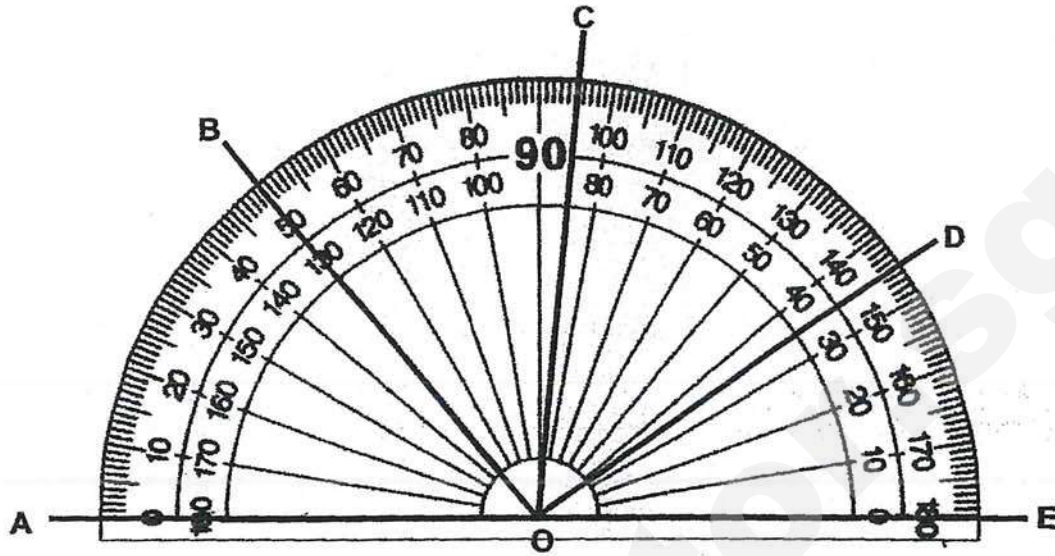23. Study the square grid and answer the questions.

In the square grid above,

(a) point Q is west of point _____

(b) point _____ is south-east of point S.

a)

b)

24. Find a pair of angles that add up to 80°.

Ans: ∠ _____ and ∠ _____

25. Alina drank 0.56ℓ of milk on Friday. She drank 0.18ℓ less milk on Saturday than on Friday. How many litres of milk did she drink on both days?

ℓ

26. The table below shows the number of cupcakes Mrs Tan baked from Wednesday to Friday.

Days	Number of cupcakes
Wednesday	260
Thursday	300
Friday	?

Mrs Tan baked a total of 800 cupcakes from Wednesday to Friday.
How many cupcakes did she bake on Friday?

27. A pair of pants costs 3 times as much as a T-shirt.
The total cost of the pair of pants and the T-shirt is $86.40.
How much does the T-shirt cost?

$
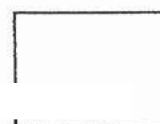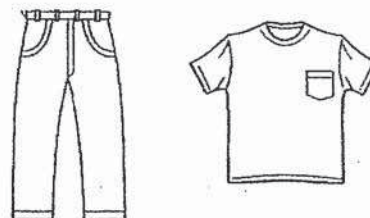
28. Jane took 1 h 35 min to complete her homework.
    She completed her homework at 14 30.
    What time did Jane start doing her homework?
    Express your answer in the 24-hour clock.

Use the graph below to answer Question 29 and 30.

The line graph shows the amount of petrol that Sally's mother used from March to July.

Petrol Used In *five* Months
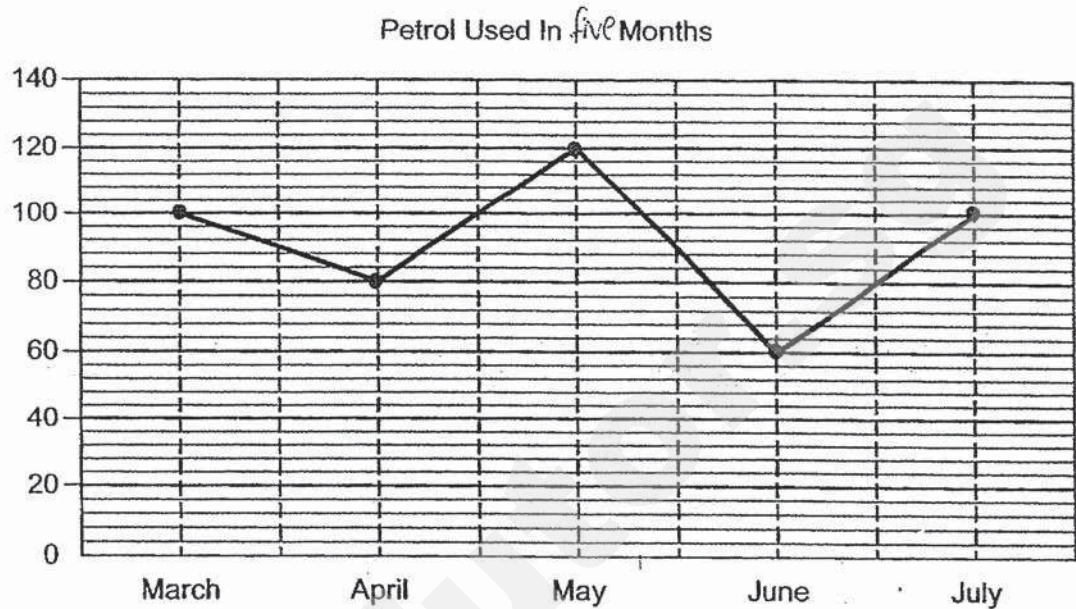
29. How much more petrol did Sally's mother use in May than in June?

<div style="border:1px solid #000; text-align:right; padding:8px;">ℓ</div>

30. How much petrol did Sally's mother use in total from March to July?

<div style="border:1px solid #000; text-align:right; padding:8px;">ℓ</div>

31. Nancy thought of two whole numbers between 15 and 40. Both numbers are multiples of 3. They are also factors of 36. What were the two whole numbers Nancy thought of?

_____ and _____

32. Sarah had some cupcakes. She gave $\frac{2}{9}$ of her cupcakes to her friend and 6 cupcakes to her neighbour. She then had 15 cupcakes left.

How many cupcakes did Sarah have at first?

33. Mrs Tan had 2 pieces of ribbon. One of the ribbon was 3 m long and the other ribbon was 1.2 m long. After using some of the ribbon to decorate her room, she had 0.8 m of ribbon left. Find the length of ribbon Mrs Tan used.
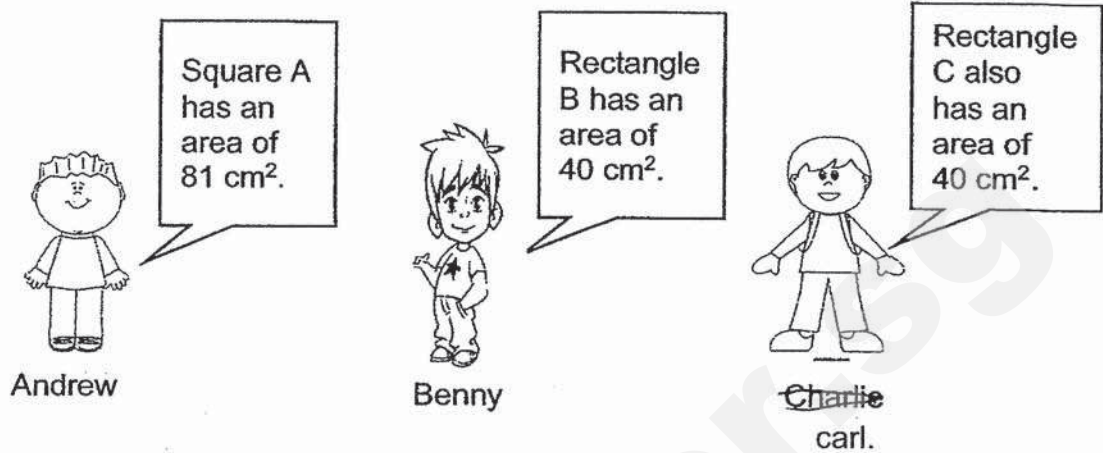
	m

34. Mr Toh had 14.63 kg of flour. He packed all the flour into 3 identical bottles and 2 identical jars. Each jar contained twice as much flour as each bottle. What was the mass of flour in one such bottle?

	kg

35. Read the following statements made by Andrew, Benny and Carl.
Study their statements and answer question 35 (a) and (b).

Square A has an area of 81 cm².

Andrew

Rectangle B has an area of 40 cm².

Benny

Rectangle C also has an area of 40 cm².

~~Charlie~~
carl.

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)	Square A has a perimeter of 36 cm.			
b)	Rectangles B and C have the same perimeter.			

Section C: Problem Sums (30 marks)

Read the following problem sums carefully. You may draw models to help you. Show all workings clearly and write your answers in the spaces provided. The number of marks allocated is shown in brackets [ ] at the end of each question.

36. Christine saved a total of $105 in three days from Monday to Wednesday.
     She saved the same amount of money on Monday and Tuesday.
     She saved four times as much money on Wednesday than on Tuesday.
     How much money did she save in total on Monday and Tuesday?

Ans: _____ [3m]
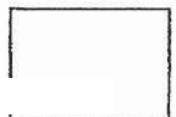
37. At first, Aaron and Benny had 428 stamps altogether. After Aaron gave 68 stamps to Benny, they had the same number of stamps. How many stamps did Aaron have at first?

Ans: _____ [3m]

38. Mrs Chan needs 2.45 kg of butter and 1.23 kg of sugar to bake a cake.

   a)   Find the total mass of butter needed to bake 8 such cakes.

   b)   Sugar is sold in bags of 3 kg each. What is the least number of bags of sugar Mrs Chan needs to buy to bake 8 such cakes?

Ans: a) _____ [1m]

b) _____ . [3m]

39. Mr Lee took a bus from Singapore to Johor Bahru and then to Kuala Lumpur.

a) He left Singapore at 7.30 a.m. and reached Johor Bahru at 8.15 a.m.
   How long was the bus ride from Singapore to Johor Bahru?

b) Mr Lee left Johor Bahru at 9.45 a.m. and reached Kuala Lumpur 6 h 45 min
   later. What time did he arrive at Kuala Lumpur?
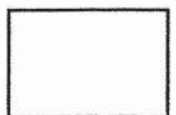   Express your answer in the 12-hour clock.

Ans: a) _____ [2m]

b) _____ [2m]

40. Damian bought some fruits. $\frac{1}{5}$ of them were pears, $\frac{2}{3}$ of them were apples and

the rest were oranges. He bought 1176 more apples than oranges.

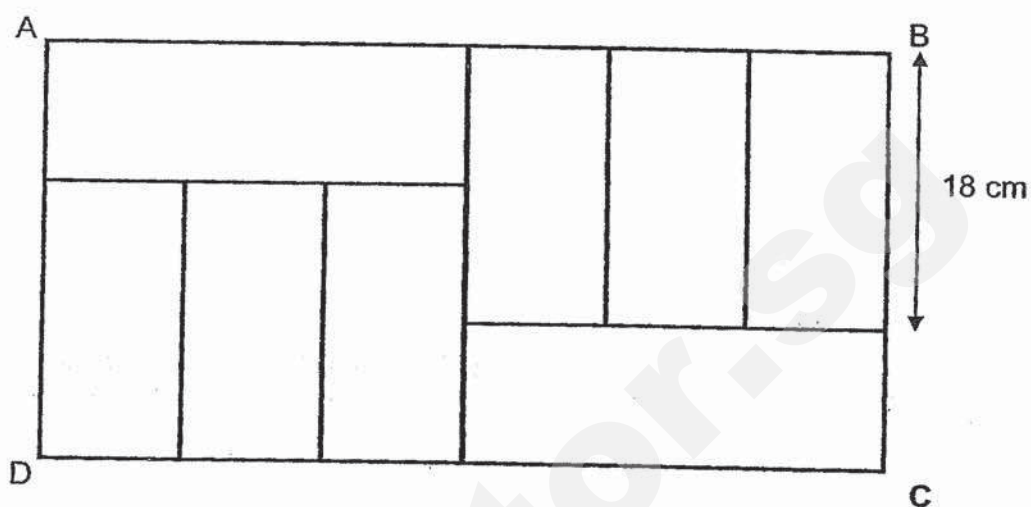How many fruits did Damian buy in total?

Ans: _____ [4m]

41. At first, Adeline had $1196 and Benny had $398. Each of them then spent the same amount of money on books. In the end, Adeline had 4 times as much money as Benny. How much money did each of them spend on books?

Ans: _____ [4m]

42. Figure ABCD is made up of eight identical rectangles.
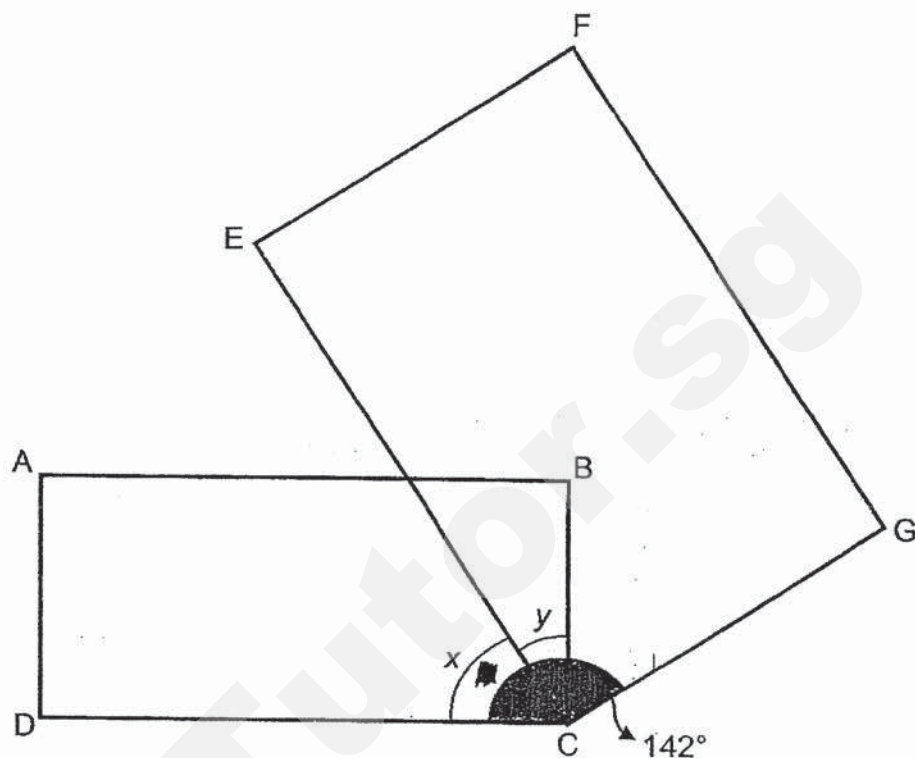   Each rectangle has a length of 18 cm.

a) Find the perimeter of Figure ABCD.

b) Find the area of Figure ABCD.

Ans: a) _____ [2m]

b) _____ [2m]

43. The figure below is made up of 2 rectangles, ABCD and EFGC.
Given that $\angle DCG$ is 142°,

    a)   find $\angle x$.

    b)   find $\angle y$.

Ans: a)_____ [2m]

b)_____ [2m]

- END OF PAPER -

ANSWER KEY

YEAR   : 2019
LEVEL   : PRIMARY 4
SCHOOL : HENRY PARK PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM   : SEMESTRAL EXAMINATION 2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	4	3	2	4	2	3	4	1

Q11. 45011
Q12. 11892
Q13. 6
Q14. $\frac{8}{24}$
Q15. $\frac{1}{2}$
Q16. $2\frac{1}{7}$
Q17. 0.007
Q18. 18
Q19. 110°
Q20. 2334
Q21. 96cm

Q22. (green ink)
Q23. (a) R
     (b) T
Q24. ∠DOF AND ∠BOC
Q25. 0.94ℓ
Q26. 240 cupcakes
Q27. $21.60
Q28. 1225
Q29. 60ℓ
Q30. 460ℓ
Q31. 18 and 36
Q32. 27 cupcakes
Q33. 3.40m
Q34. 2.09kg
Q35. (a) True
     (b) Not possible to tell
Q36. $35
Q37. 282 stamps

Q38. (a) 19.60kg
     (b) 4 bags
Q39. (a) 45 mins
     (b) 4.30 p.m.
Q40. 2205 fruits
Q41. $132
Q42. (a) 120cm
     (b) 864cm²
Q43. (a) 52°
     (b) 38°

Maha Bodhi School
2019 Semestral Assessment 2
Primary 4
Mathematics
Booklet A

Name : _____ (   )

Class : Primary 4 _____

Date : 30 October 2019

Total Duration for Booklets A and B: 1 h 45 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.

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

This booklet consists of **12** printed pages.

Section A (40 marks)

Questions **1** to **20** 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.

---

1. In which of the following numbers does the digit 7 stand for 7000?

    (1) 8721

    (2) 7281

    (3) 1278

    (4) 2817

2. Which of the following numbers when rounded to the nearest ten becomes 32 900?

    (1) 32 843

    (2) 32 898

    (3) 32 905

    (4) 32 951

3. What fraction of the shapes in the box are ♥ ?

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

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

(3) $\dfrac{5}{8}$

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

4. Which of the following fractions is in its simplest form?
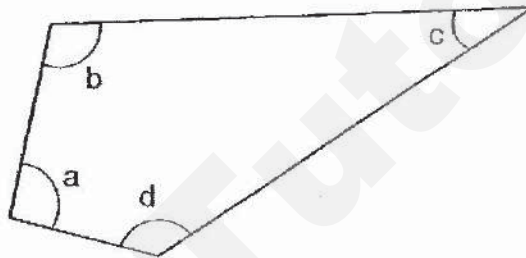
(1) $\dfrac{2}{4}$

(2) $\dfrac{5}{6}$

(3) $\dfrac{6}{8}$

(4) $\dfrac{3}{9}$

5. Write $4\frac{3}{20}$ as a decimal.

   (1)   4.23
   (2)   4.3
   (3)   4.015
   (4)   4.15
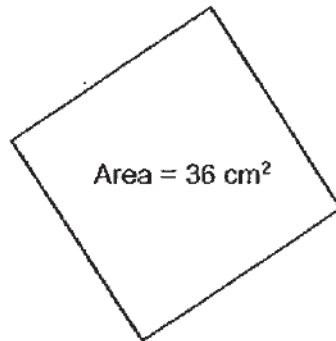
6. In the figure below, which angle is smaller than a right angle?

   (1) $\angle a$
   (2) $\angle b$
   (3) $\angle c$
   (4) $\angle d$

7. The figure below is a square with an area of 36 cm².

What is the length of one side of the square?

Area = 36 cm²

(1)   6 cm
(2)   9 cm
(3)   12 cm
(4)   18 cm

8. Tom started driving in to Malaysia at 19 45. He arrived at his destination 3 h 20 min later. At what time did he reach his destination?

(1)   4.25 a.m.
(2)   4.25 p.m.
(3)   11.05 a.m.
(4)   11.05 p.m.

9. Which one of the following is a multiple of both 4 and 6?

(1)   10
(2)   12
(3)   16
(4)   18

A - 4

10. Which of the following figures in the square grid below has both parallel and perpendicular lines?

(1)

(2)

(3)

(4)

A - 5
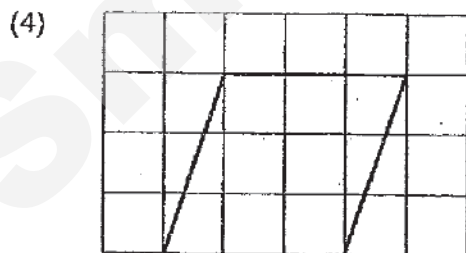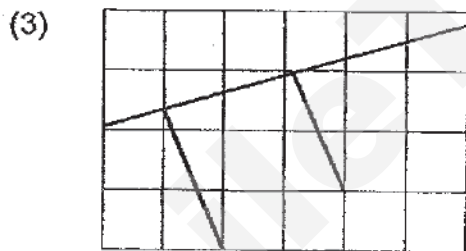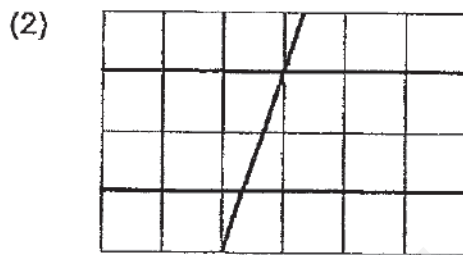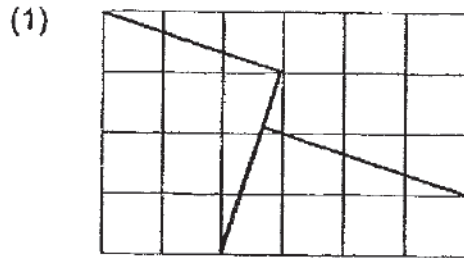
11. Which one of the following is equal to 0.36?

(1) $3 + \dfrac{6}{10}$

(2) $\dfrac{3}{10} + \dfrac{6}{10}$

(3) $\dfrac{3}{10} + \dfrac{6}{100}$

(4) $3 + \dfrac{6}{100}$

12. Bala is facing the south-west direction. Which of the following turns will result in him facing north?
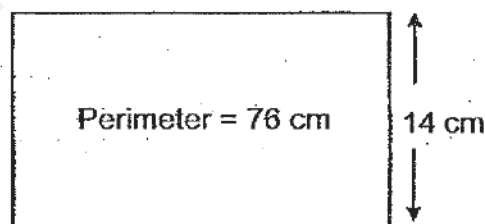
(1) 90° clockwise
(2) 135° anti-clockwise
(3) 225° anti-clockwise
(4) 270° anti-clockwise

13. The perimeter of a piece of cardboard, as shown below, is 76 cm. Its breadth is 14 cm. Find its length.
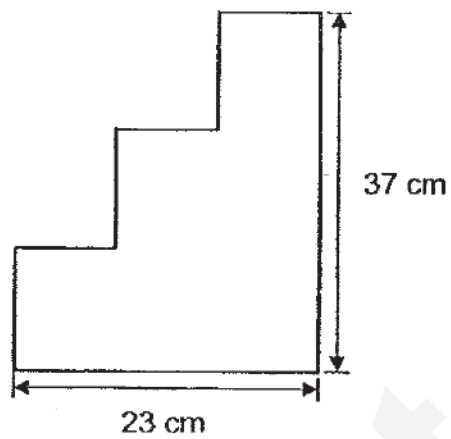
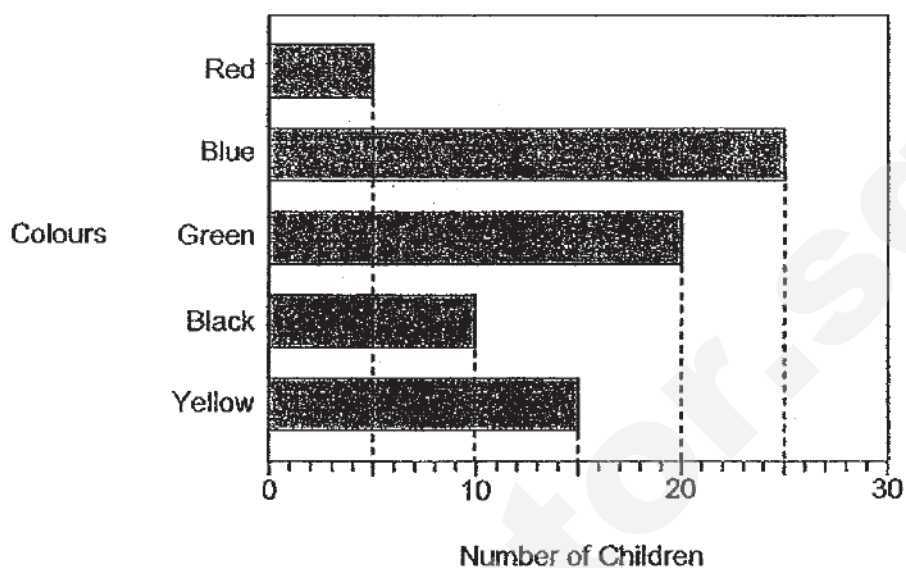Perimeter = 76 cm | 14 cm

(1) 24 cm
(2) 31 cm
(3) 48 cm
(4) 62 cm

A - 6

14. The figure below is formed by three rectangles.

Find the perimeter of the figure.

(1) 60 cm

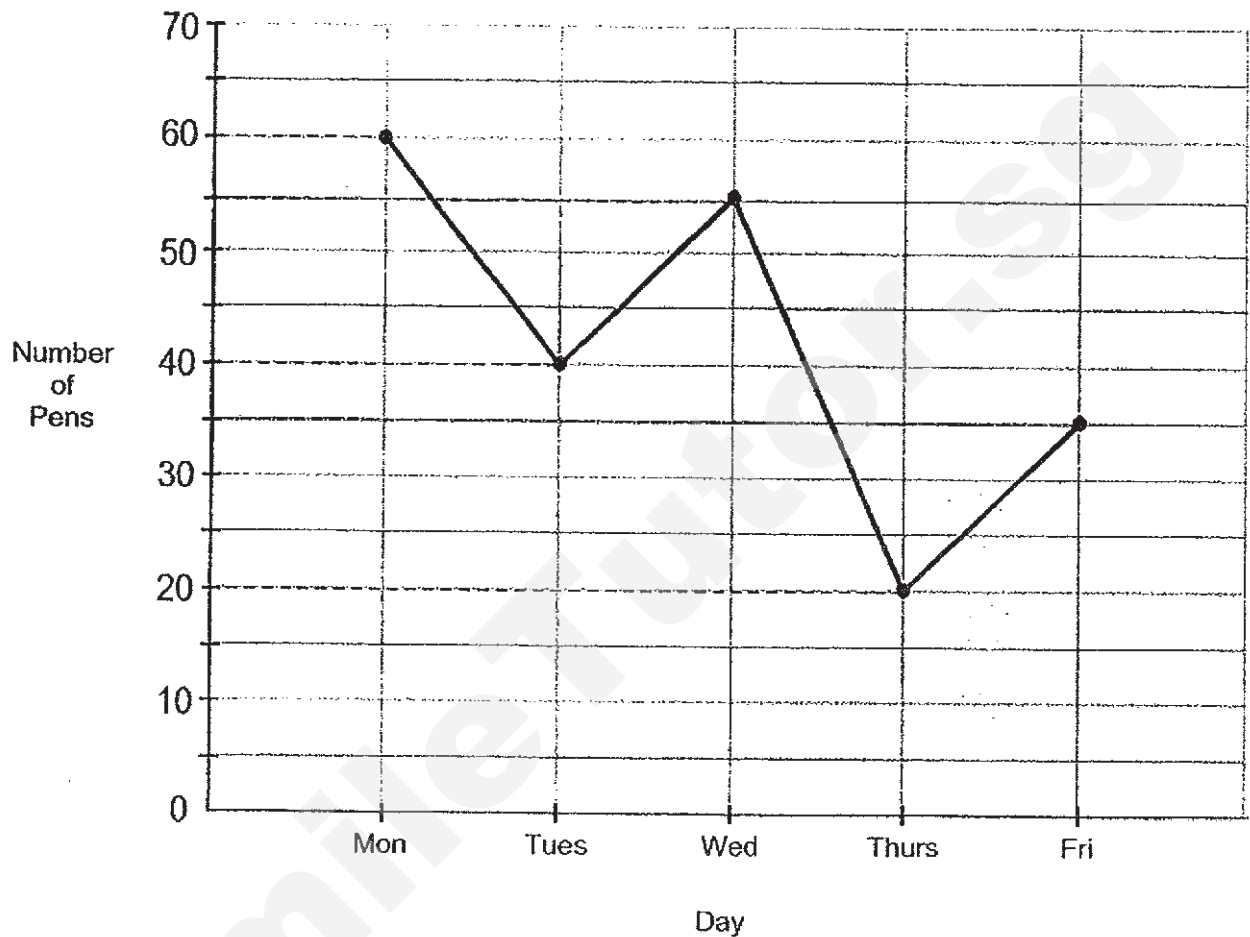(2) 97 cm

(3) 120 cm

(4) 180 cm

15. The bar graph below shows the favourite colours of some children.

Number of Children

What is the difference between the number of children who chose yellow and the number of children who chose the colour which is most liked?

(1)   10
(2)   15
(3)   20
(4)   25

16. The line graph below shows the number of pens sold by the bookshop from Monday to Friday.

Day

On which day did the bookshop sell 3 times as many pens as Thursday?

(1) Monday
(2) Tuesday
(3) Wednesday
(4) Friday

A - 9

17   Peter is thinking of two numbers.

The only common factors of the numbers are 1 and 3.

Their first common multiple is 18.

One of the numbers is 9.

What is the other number?

(1)   27
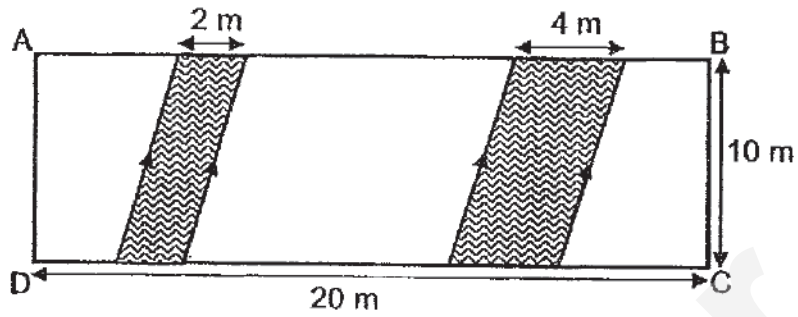(2)   18
(3)   3
(4)   6

18.   In a library, $\frac{3}{5}$ of the people were adults and the rest were children.

$\frac{3}{4}$ of the children were girls. There were 40 more girls than boys.

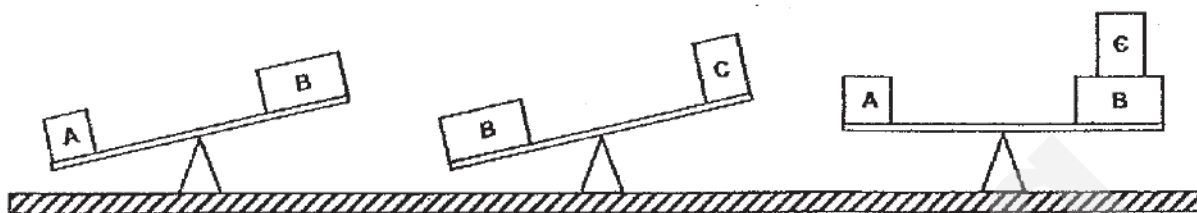How many adults were there in the library?

(1)   20
(2)   60
(3)   120
(4)   200

19. In the figure, ABCD is a rectangle.

Find the area of the unshaded part.

(1) 200 m^2

(2) 160 m^2

(3) 140 m^2

(4) 120 m^2

20. Objects A, B and C were weighed on a balance scale.

Which of the tables shows the possible masses of the 3 objects?

(1)

Object	Mass(kg)
A	32
B	14
C	14

(2)

Object	Mass(kg)
A	32
B	14
C	18

(3)

Object	Mass(kg)
A	32
B	16
C	10

(4)

Object	Mass(kg)
A	32
B	18
C	14

A - 12

Maha Bodhi School
2019 Semestral Assessment 2
Primary 4
Mathematics
Booklet B

Name : _____ (   )

Class : Primary 4 _____

Date : 30 October 2019

Total Duration for Booklets A and B: 1 h 45 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.
4. Write your answers in this booklet.

Booklet	Marks Obtained	Max Marks
A		40
B		60
Total		100

Parent's signature: _____

This booklet consists of **13** printed pages.

Section B (40 marks)

Questions **21** to **40** carry 2 marks each.
Write your answers in the spaces provided, giving the answers in the units stated. Show your working clearly in the space provided below each question.
All diagrams are not drawn to scale.

21. Write twelve thousand in figures.

Ans: _____

22. Arrange the following numbers from the greatest to the smallest.

315,   513,   135,   351

_____, _____, _____, _____

(greatest)   (smallest)

23. $2781 \div 9 =$ _____

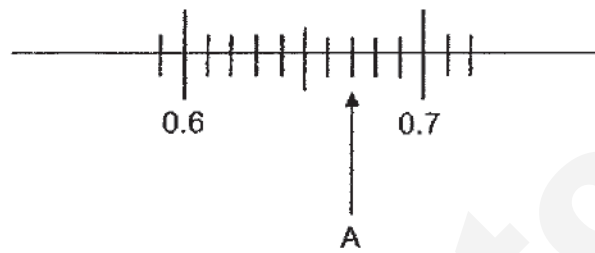Ans: _____

24. $\dfrac{3}{5} = \dfrac{\square}{35}$

What is the missing number in the box?

Ans: _____

/ 8

B - 1

25. Find the value of $1 - \frac{2}{5} - \frac{1}{2}$

Ans: _____

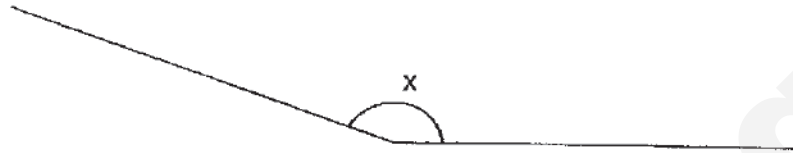26. Write the decimal represented by A.

Ans: _____

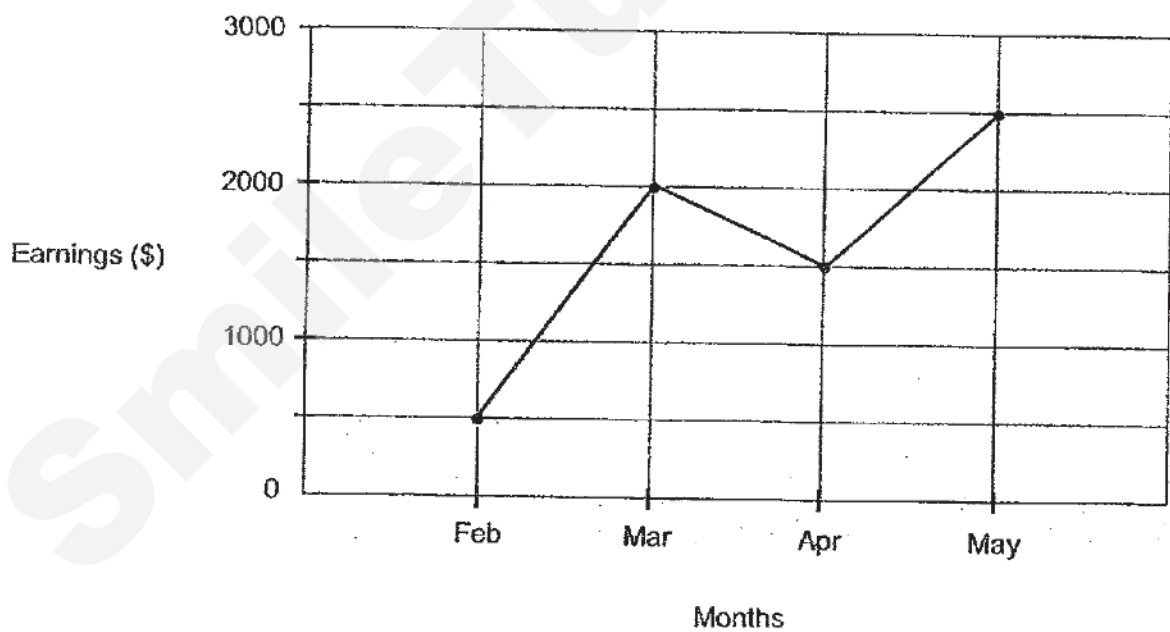27. Express 0.2 as a fraction.

Ans: _____

28. Find the value of 6.58 x 9

Ans: _____

/ 8

B - 2

29. Measure and write down the size of ∠ x.

Ans:_____ °

30. The line graph below shows the earnings for a drink stall for the months of February to May.

Months

How much money did the drink stall earn in the months of February and May altogether?

Ans: $ _____

B - 3

/ 4

31. Write the missing number in the number pattern below.

7089,   7219,   7349,   7479,   _____,   7739
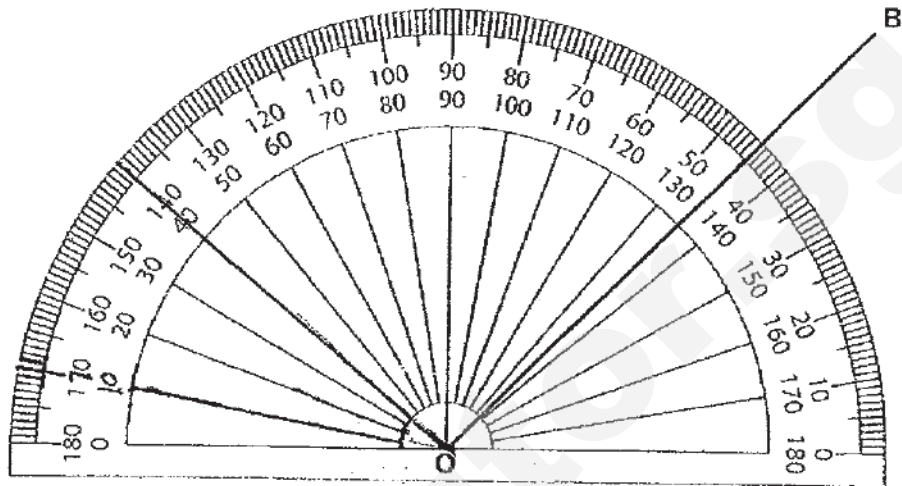
Ans: _____

32. What is the missing number in the box?
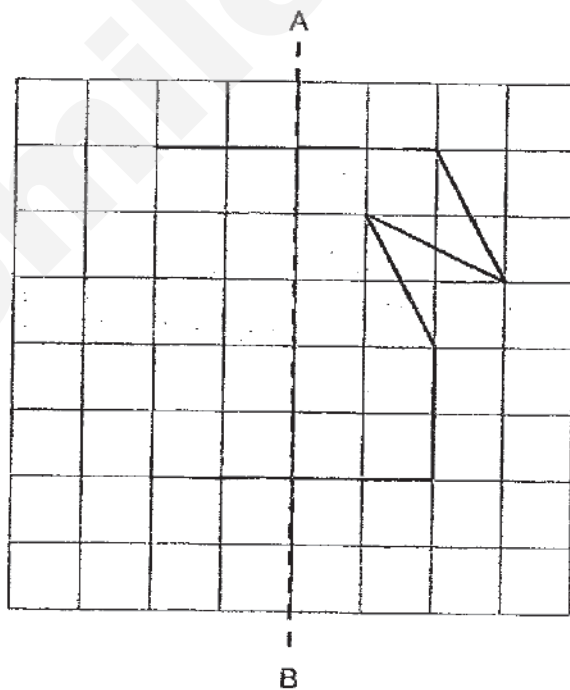
[_____] ÷ 4 = 3796 R 2

Ans: _____

33. Pole A is twice as long as Pole B.
Pole C is 0.25 m longer than Pole A.
The total length of the three poles is 6.5 m.
What is the length of Pole B?

Ans: _____ m

B - 4

[/ 6]

34. Using the protractor below, draw another line AO such that ∠AOB = 95°.

35. Complete the figure using Line AB as the line of symmetry.

/ 4

36. Andrea is 12 years old now. Her father is three times as old as her.
In how many years' time will Andrea's father be twice as old as Andrea?
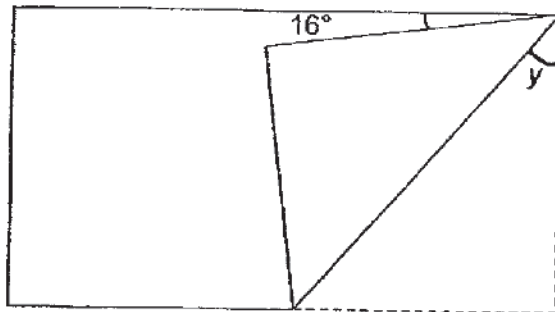
Ans: _____

37. The diagram below shows 4 grey stars and some white stars. What fraction of the white stars must be shaded such that $\frac{2}{3}$ of all the stars are shaded?
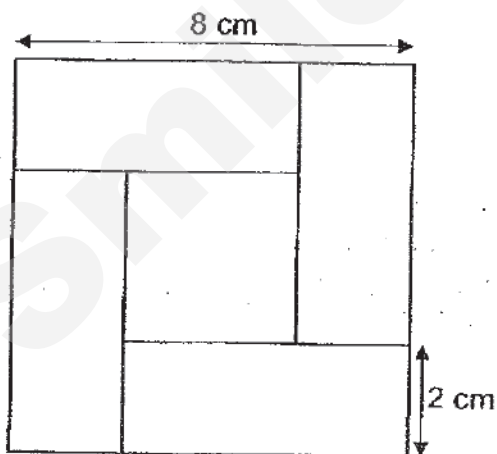

Ans: _____

/ 4

B - 6

38. A rectangular piece of paper is folded as shown below.

Find $\angle y$.

Ans: _____ °

39. Four identical rectangles are cut out from a square piece of paper as shown in the diagram. The breadth of each rectangle is 2 cm.

What is the area of each rectangle?

Ans: _____ cm²

/ 4

40. The table below shows the number of pupils in a class who wear glasses and those who do not wear glasses.

	Wear glasses	Do not wear glasses	Total
Boys	16	2	18
Girls	19	3	22
Total	35	5	40

What is the fraction of the number of pupils in the class who wear glasses?

Ans: _____

/ 2

B - 8

Section C (20 marks)

Questions **41** to **45** carry 4 marks each.
Show your working clearly in the space below each question.
Write your number equations and final statements for each question.
All diagrams are not drawn to scale.

---

41. Sally has thrice as many stickers as Carol.

    Sally has 128 more stickers than Carol.

    How many stickers do they have altogether?

Ans: _____ [4]

/ 4

42. Jenny baked some cupcakes. She gave $\frac{1}{2}$ of her cupcakes to Kumar and $\frac{1}{3}$ of her cupcakes to Luke. Jenny has 50 cupcakes left. How many cupcakes did Jenny bake?

Ans: _____ [4]

/ 4

43. At the supermarket, Andy paid $11.50 for a watermelon and 5 apples.
Khairi paid $15.85 for 1 such watermelon and 10 such apples.
Find the cost of 1 such watermelon.

Ans: _____ [4]

/ 4

44. Lucy read 4 books in 1 hour 25 minutes. She took the same amount of time to read each of the first 3 books. She took 25 minutes longer to read the fourth book than each of the first 3 books. She finished reading all the books at 15 20. What time did she start reading the fourth book?

Ans: _____ [4]

/ 4

45. Mr Tan and his family had their dinner at a buffet restaurant.

How much does Mr Tan have to pay if there were 7 adults and 4 children?

Buffet Dinner

Adults:	Children:
$34.50 /person	$16.20 /person

For every 2 paying adults, 1 child dines for free!

PROMOTION!

Ans: _____ [4]

/ 4

~ End of Paper ~

SCHOOL :   MAHA BODHI PRIMARY SCHOOL
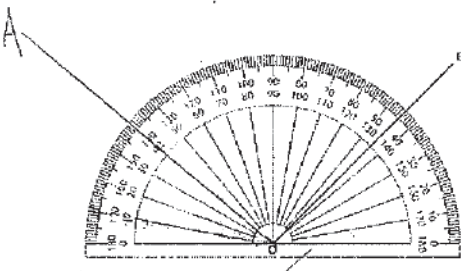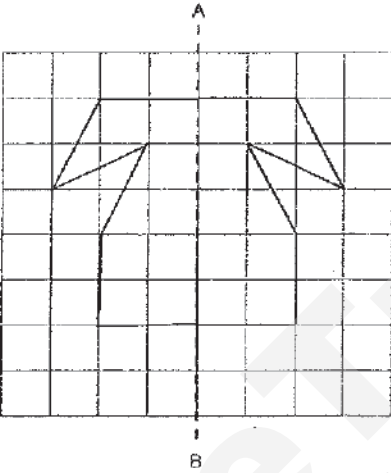
LEVEL   :   PRIMARY 4
SUBJECT :   MATH
TERM   :   2019 SA2

BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	2	1	2	4	3	1	4	2	1
Q 11	Q12	Q13	Q14	Q15	Q 16	Q17	Q18	Q19	Q20
3	3	1	3	1	1	4	3	3	4

BOOKLET B

Q21)	12000
Q22)	513 , 351 ,315 ,135
Q23)	309
Q24)	21
Q25)	$\dfrac{1}{10}$
Q26)	0.67
Q27)	$\dfrac{1}{5}$
Q28)	59.22
Q29)	162°
Q30)	$3000
Q31)	7609
Q32)	15186
Q33)	$6.5 - 0.25 = 6.25$ $6.25 \div 5 = 1.25m$

Q34)	
Q35)	
Q36)	$12 \times 2 = 24$ $24 - 12 = 12$ years
Q37)	$10 - 4 = 6$
Q38)	$\angle Y = 74 \div 2 = 34°$
Q39)	$8 - 2 = 6$ $2 \times 6 = 12 cm^2$
Q40)	$\dfrac{7}{8}$
Q41)	$3 - 1 = 2$ $128 \div 2 = 64$ $64 \times 4 = 256$

Q42)	$\frac{6}{6} - \frac{5}{6} = \frac{1}{6}$ 1u→50 50 x 6 = 300 6u→300
Q43)	15.85 − 11.50 = 4.35 4.35 ÷ 5 = 0.87 0.87 x 10 = 8.70 15.85 − 8.70 $7.15
Q44)	1h 25min − 25min = 1h 1h = 60min 60min ÷ 4 = 15 min 15min + 25min = 40min 40min 14 40 15 20 ANS: 14 40
Q45)	34.50 x 7 = 241.50 241.50 + 16.20 = $257.70

MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 2

PRIMARY 4 MATHEMATICS

25 OCTOBER 2019

BOOKLET A

20 questions

40 marks

Total time for Booklets A and B: 1 h 45 min

NAME : _____ (   )

CLASS : PRIMARY 4 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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.

---

1. The value of the digit 9 in 59 216 is _____.

    (1)   90
    (2)   900
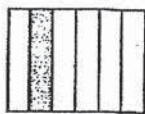   (3)   9000
    (4)   90 000

2. Which of the following are common factors of 16 and 24?

    (1)   1 and 3
    (2)   2 and 3
    (3)   2 and 4
    (4)   4 and 6

3. In the number 53.42, the digit _____ is in the tenths place.

    (1)   5
    (2)   2
    (3)   3
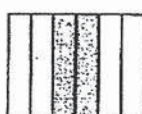   (4)   4

4. Which one of the following has $\frac{1}{5}$ of the figure shaded?

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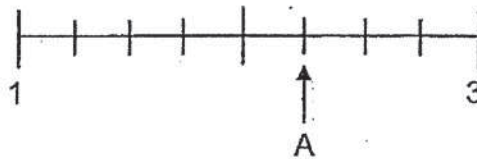
1

5. Which of the following mixed numbers is represented by the letter A in the number line shown?

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

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

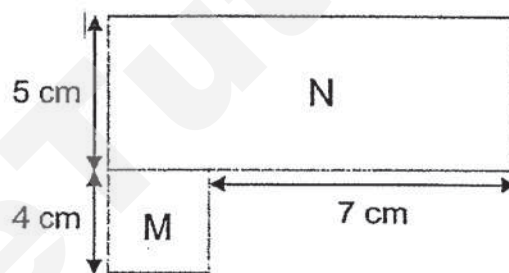(3) $3\frac{1}{4}$

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

6. The figure shown is made up of a square M of side 4 cm and a rectangle N with breadth 5 cm. What is the length of the rectangle?
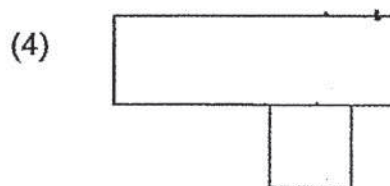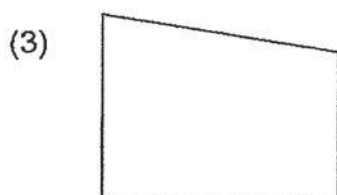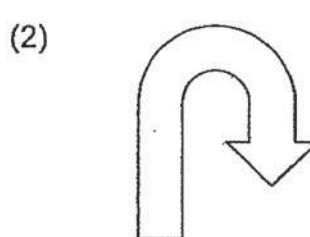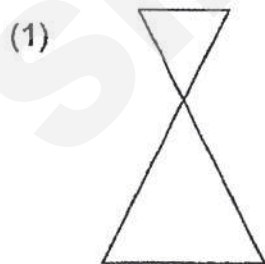
(1) 7 cm
(2) 9 cm
(3) 11 cm
(4) 12 cm

7. Which figure is symmetrical?

(1)

(2)

(3)

(4)

2

8. What is the missing decimal in the box?

$$\boxed{} + \frac{6}{100} = 3.75$$

(1) 3.15
(2) 3.69
(3) 3.81
(4) 4.35

9. Manita had 3.6 m of blue ribbon and 1.44 m of white ribbon at first. She used $\frac{1}{4}$ of each of the ribbons to make flowers. How much ribbon did she use altogether?

(1) 4.54 m
(2) 3.78 m
(3) 1.26 m
(4) 0.50 m

10. The table below shows the number of books each student in a class borrowed from the library. How many students borrowed more than 3 books each?

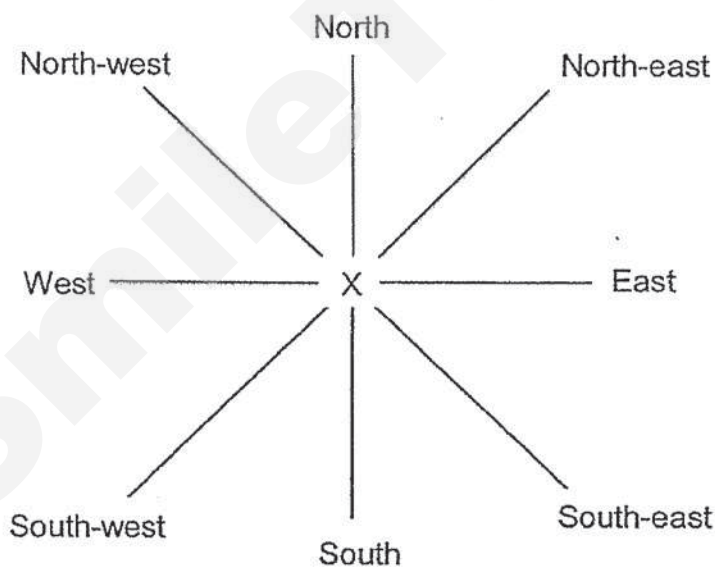| Number of books borrowed	0	1	2	3	4	5
Number of students	6	5	7	10	9	4

(1) 10
(2) 13
(3) 18
(4) 23

3

11. Which one of the following lines is parallel to line AB?

(1) CD
(2) EF
(3) GH
(4) JK
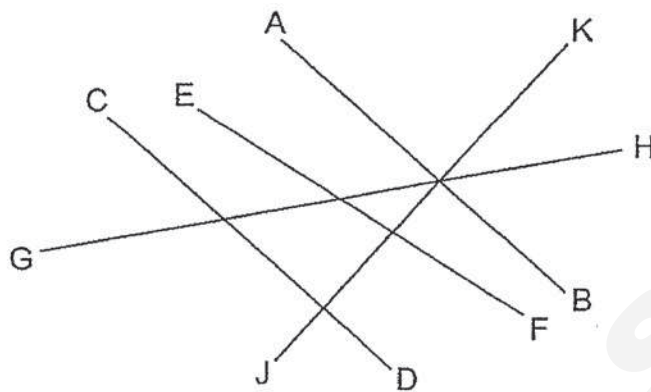
12. Johnny is standing at point X and facing west. After turning 135° clockwise, he makes a $\frac{1}{4}$ - turn in an anti-clockwise direction. What direction does he face in the end?
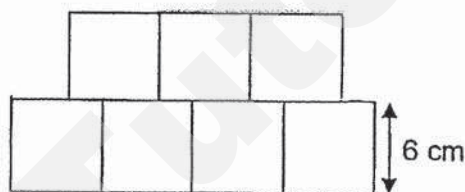

(1) South-east
(2) South-west
(3) North-east
(4) North-west

4

13. When a bottle is $\frac{3}{8}$ full, it contains 240 ml of water. How much water can the bottle contain when it is half full?

    (1)   120 ml

    (2)   320 ml

    (3)   400 ml

    (4)   640 ml

14. The figure below is made up of 7 identical squares. The side of each square is 6 cm. What is the perimeter of the figure?

    (1)   66 cm

    (2)   72 cm

    (3)   147 cm

    (4)   168 cm

6 cm

15. A photograph is mounted onto a rectangular cardboard measuring 20 cm by 14 cm as shown. It has a border of 2 cm all round it. Find the area of the photograph.
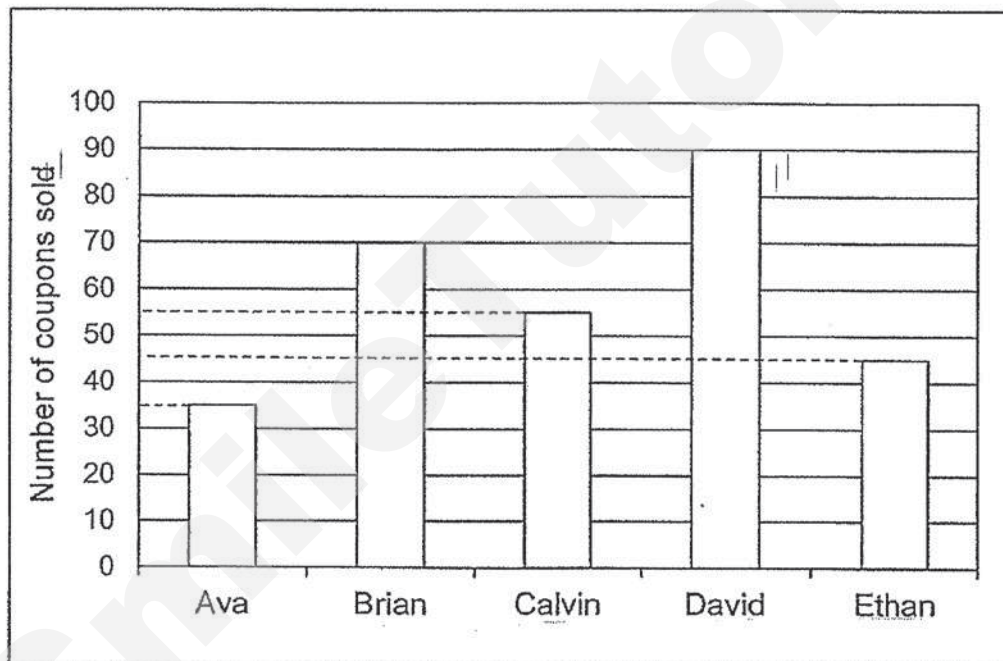
20 cm

2 cm

2 cm   photograph   14 cm

2 cm

2 cm
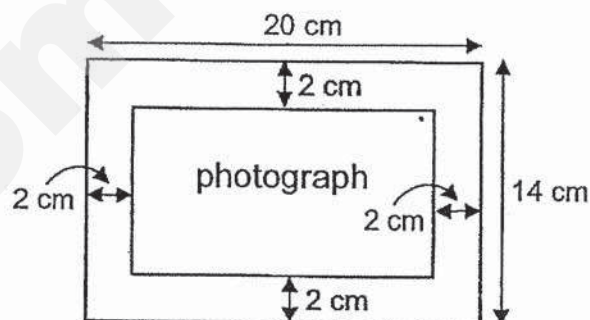
    (1)   120 cm²

    (2)   160 cm²

    (3)   216 cm²

    (4)   280 cm²

5

16. Mdm Lim paid a total of $120 for 2 plates and 4 cups. One plate costs 3 times as much as one cup. Find the cost of one cup.

(1) $12
(2) $20
(3) $36
(4) $48

17. The bar graph below shows the number of coupons sold by five children to raise funds for charity.

Which two boys sold the same number of coupons as David?

(1) Ava and Brian
(2) Brian and Calvin
(3) Brian and Ethan
(4) Calvin and Ava

6

18. A clock was set correctly at 12 noon. It gains exactly 10 min with each passing hour. It shows 19 00 now on the clock. What should the correct time be now?

(1) 17 50
(2) 18 00
(3) 18 30
(4) 20 10

19. Sandy has some blue, red and white balls. Balls of the same colour have the same mass. She weighs the balls as shown below.
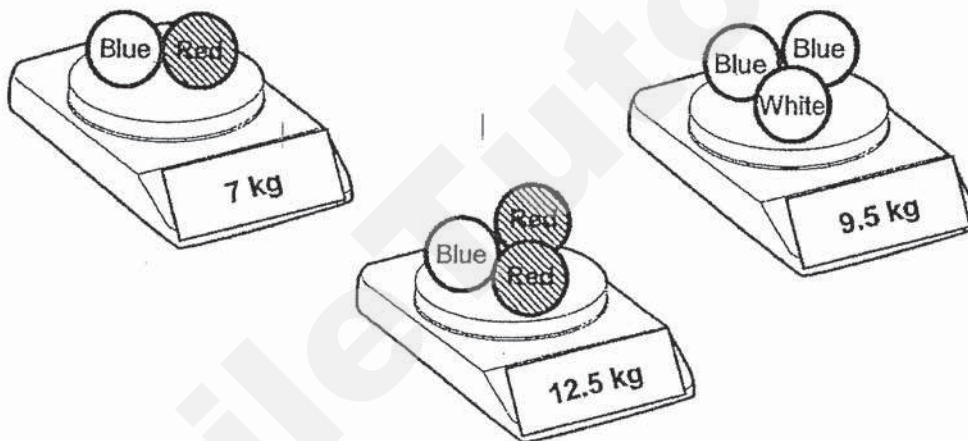
What is the mass of one white ball?

(1) 1.5 kg
(2) 2.5 kg
(3) 5.5 kg
(4) 6.5 kg

7

20. Numbers 1 to 100 were written on a piece of paper in 4 rows. The piece of paper was accidentally burnt and only the part shown below was left.

Which row was the number **79** in?

A	1	5	9	13	17
B	2	6	10	14	
C	3	7	11	15	
D	4	8			

(1) A

(2) B

(3) C

(4) D

End of Section A

Go on to Booklet B

8

MARIS STELLA HIGH SCHOOL (PRIMARY)
SEMESTRAL ASSESSMENT 2
PRIMARY 4 MATHEMATICS
25 OCTOBER 2019
BOOKLET B

25 questions

60 marks

Total time for Booklets A and B: 1 h 45 min

NAME : _____ (   )

CLASS : PRIMARY 4 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

MARKS OBTAINED :

BOOKLET A: _____ / 40

BOOKLET B: _____ / 60

TOTAL : _____ / 100

Parent's Signature: _____

Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

21. Write fifteen thousand, two hundred and nine in figures.
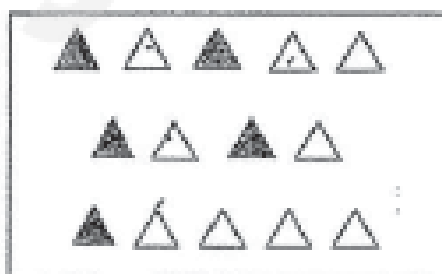
Answer: _____

22. Write the missing number in the number pattern below.

13 000 , 12 300 , 11 600 , 10 900 , _____ , 9500

Answer: _____

23. What fraction of the triangles shown are grey in colour?

Answer: _____

24. Arrange these numbers from the greatest to the smallest.

0.573, 4.6, 0.86, 0.078

Answer: _____ , _____ , _____, _____
(greatest)   (smallest)

25. Which two of the fractions below are smaller than $\frac{1}{2}$?

$$\frac{1}{3}, \frac{3}{5}, \frac{4}{8}, \frac{5}{12}$$

Answer: _____ and _____

26. Find the value of $1 - \frac{3}{8} - \frac{1}{2}$.

Answer: _____

27. Round 18.49 to the nearest whole number.
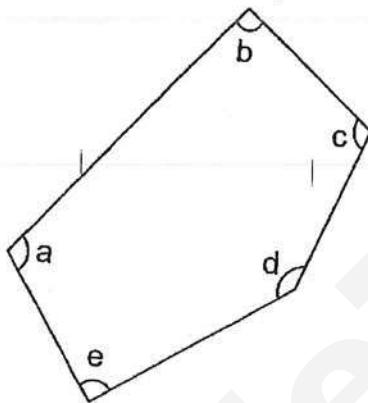
Answer: _____

SCORE [ ]

(Go on to the next page)

28. $8.4 - 0.97 =$ _____

Answer: _____

---

29. Which of the marked angles in the figure below are right angles?

Answer: _____

---

30. Mary's test started at 11 20 and ended at 13 10. What was the duration of her test? Give your answer in hours and minutes.
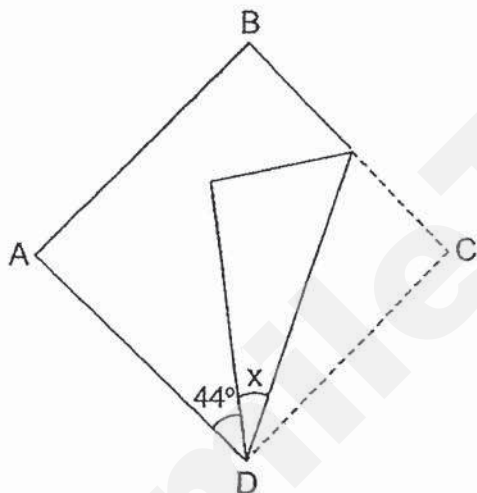
Answer: _____ h _____ min

11

SCORE

(Go on to the next page)

31. A box with 5 identical balls in it has a mass of 4.55 kg. The mass of the box is 1.75 kg when empty. What is the mass of each ball?
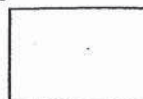
Answer: _____ kg

32. Square ABCD is folded as shown in the diagram below. Find ∠x.

Answer: _____ °

33. I am a 4-digit number.
The digit in the hundreds place is the greatest odd number, and it is 3 times the digit in the thousands place.
The digit in the tens place is twice the digit in the ones place.
The sum of the 4 digits is 18.
What number am I?

Answer: _____

SCORE
(Go on to the next page)

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34. In the figure below, MNOP is a rectangle. Line QR is parallel to line NO and ∠NQO is 65°. Find ∠MQO.

Answer: _____ °

---
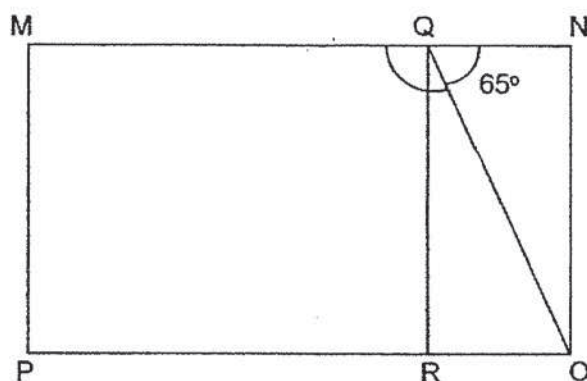
35. Ravi had more than 20 sweets but fewer than 25 sweets. He gave 3 sweets to each friend and had 2 sweets left. How many sweets did Ravi have at first?

Answer: _____

---

36. When Xavier is 5 years old, his father is 41 years old. How old would Xavier be when his father is 4 times his age?

Answer: _____

37. The table shows the number of cakes Mrs Lam sold last week.

Day	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Number of cakes sold	10	20	30	8	32	50	35

Based on the information above, each of the following statements is either **True**, **False** or **Not possible to tell**. For each statement, put a tick (✓) in the correct column to indicate your answer.

	Statement	True	False	Not Possible to tell
(a)	On Monday, Mrs Lam sold twice as many cakes as she did on Tuesday.			
(b)	Mrs Lam sold each cake for $7. She collected more than $210 a day for 4 days last week.			

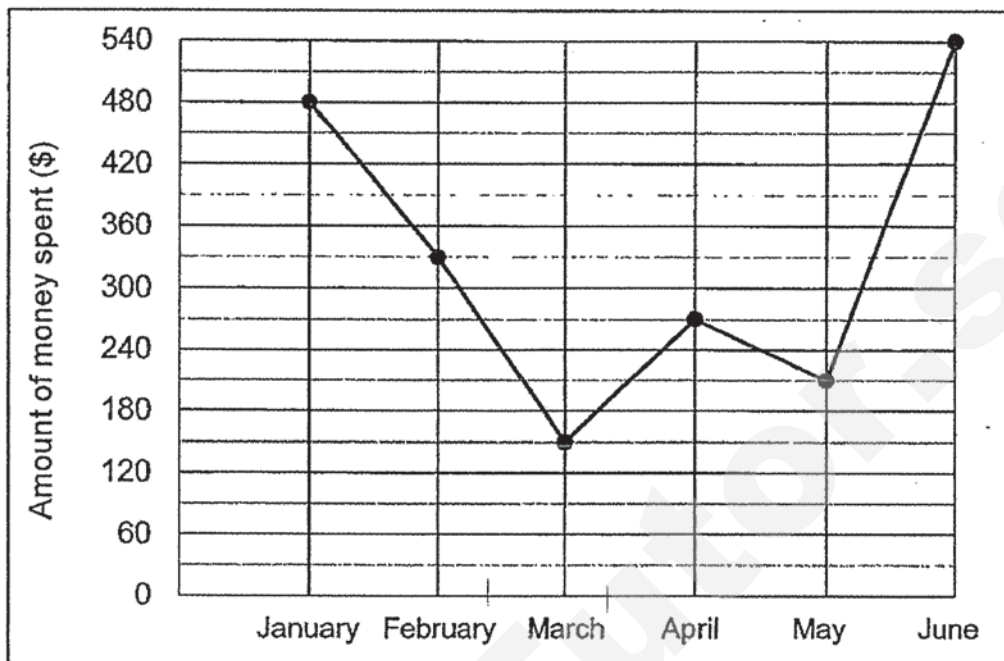38. To get to the playground, Rahim has to walk two steps to the south and one step to the west. Where is he now?

Answer: _____

SCORE

Need a home tutor? Visit smiletutor.sg
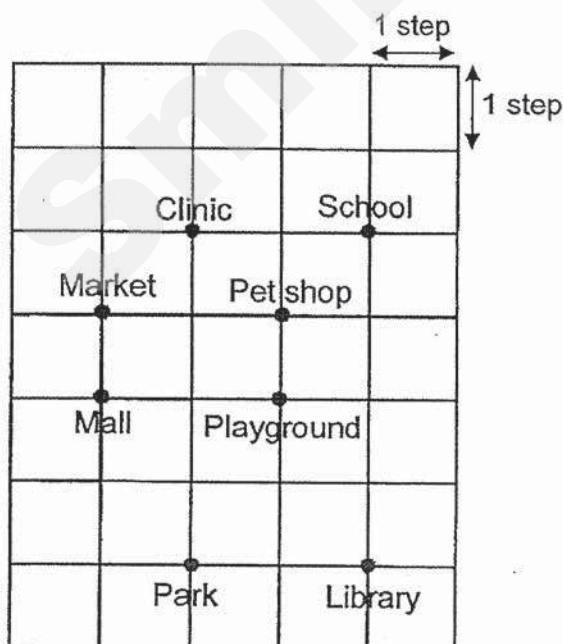
The line graph shows the amount of money Joseph spent from January to June. Study the graph carefully and answer question 39 and 40.

39. Of the amount Joseph spent in February, $138 was spent on clothes and the remaining amount was spent on food. How much did he spend on food in February?

Answer: $ _____

40. In which month did Joseph spend $120 more than the previous month?

Answer: _____

15

SCORE [ ]

(Go on to the next page)

Section C (5 x 4 = 20 marks)

Work out the answers for each of the following questions. All workings must be shown.

41. A fruit seller has 408 apples and 92 oranges.
$\frac{3}{4}$ of the apples are red and the rest are green.

(a) How many red apples are there?

(b) What fraction of the fruits are oranges?
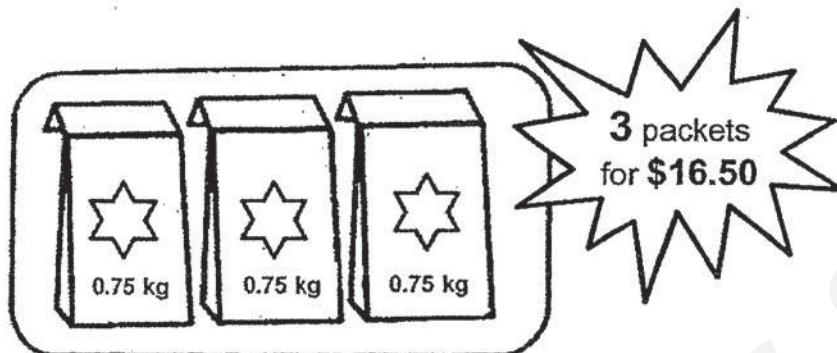Give your answer in the simplest form.

Answer: (a) _____ [2]

(b) _____ [2]

16

SCORE

(Go on to the next page)

42. Coffee powder are sold in packets, in bundles of 3. The price of each bundle is $16.50. The mass of each packet of coffee powder is 0.75 kg.

(a) What is the total mass of 9 such packets of coffee powder?

(b) Mrs Low wants to buy 15 packets of such coffee powder. How much does she have to pay?

Answer: (a) _____ [2]

(b) _____ [2]

SCORE

43. Kim and Janice had an equal number of stickers at first.
After Kim gave away 168 stickers and Janice gave away 48 stickers,
Janice had 3 times as many stickers as Kim.
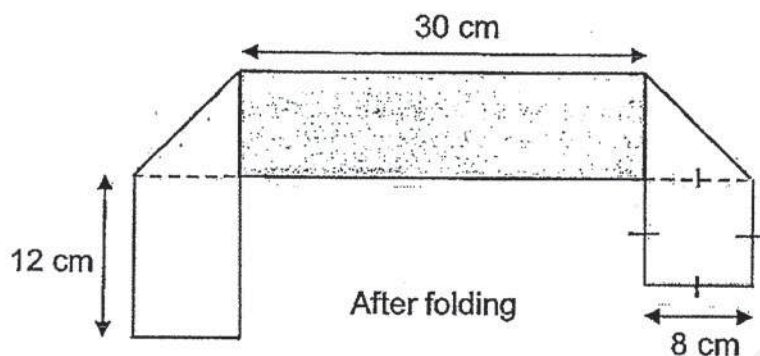How many stickers did each of them have at first?

Answer: _____ [4]

44. A rectangular piece of paper was grey on one side and white on the other side. It was folded on both ends to form the figure shown below.
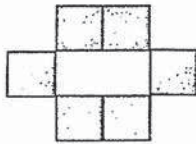
30 cm

12 cm

After folding

8 cm

(a) Find the length of the rectangular paper before it was folded.

(b) Find the area of the rectangular paper before it was folded.
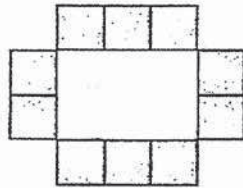
Answer: (a) _____ [2]

(b) _____ [2]

SCORE

(Go on to the next page)

45. The patterns are formed with identical squares. Study the pattern carefully and answer the questions below.
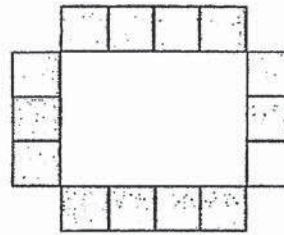
| Pattern 1 | Pattern 2 | Pattern 3 |

Pattern Number	Number of Squares
1	6
2	10
3	14
↓	↓
18	(a)

(a) How many squares will there be in Pattern 18?

(b) Which pattern is formed with 134 squares?

Answer: (a) _____ [2]

(b) Pattern _____ [2]

END OF PAPER

20

SCORE

ANSWER KEY

YEAR   : 2019
LEVEL   : PRIMARY 4
SCHOOL : MARIS STELLA HIGH SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM   : SA2

PAPER ONE : BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	3	4	4	1	3	1	2	3	2
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
1	4	2	2	2	1	4	2	4	3

PAPER ONE : BOOKLET B

Q21	15 209
Q22	10 200
Q23	$\dfrac{5}{14}$
Q24	4.6 , 0.86 , 0.573 , 0.078
Q25	$\dfrac{5}{12}$ and $\dfrac{1}{3}$
Q26	$1 - \dfrac{3}{8} - \dfrac{1}{2} = \dfrac{8}{8} - \dfrac{3}{8} - \dfrac{4}{8} = \dfrac{1}{8}$
Q27	18
Q28	7.43
Q29	<b and <e
Q30	40 min 1 hour 10 min 11 20 12 00 13 00 13 10 Ans : 1 h 50 min
Q31	4.55 – 1.75 = 2.8 2.8 ÷ 5 = 0.56kg
Q32	90° – 44° = 46° 46° ÷ 2° = 23°
Q33	3 942
Q34	<RQO = 90° – 65° = 25° <MQO = 25° + 90° = 115°
Q35	23
Q36	41 – 5 = 36 3u → 36 1u → 12 Answer : 12 (Xavier 12 and father 48)

Q37	(a) False
	(b) False
Q38	School
Q39	$300 – $138 = $192
Q40	270 – 150 = 120
	Answer : April
Q41	4u → 408
	3u → 408 ÷ 4 x 3 = 306
	(a) 306 red apples
	408 + 92 = 500
	$\dfrac{92}{500} = \dfrac{23}{125}$
	(b) $\dfrac{23}{125}$
Q42	9 x 0.75 = 6.75
	(a) 6.75 kg
	15 ÷ 3 = 5
	5 x $16.50 = $82.50
	(b) $82.50
Q43	K : J → 1u + 168 : 3u + 48
	2u → 168 – 48 = 120
	1u → 120 ÷ 2 = 60
	60 + 168 = 228
	Answer : 228
Q44	12 + 8 + 30 + 8 + 8 = 66
	(a) 66cm
	66 x 8 = 528
	(b) 528cm^2
Q45	18 x 4 + 2 = 74
	(a) 74
	134 – 2 = 132
	132 ÷ 4 = 33
	(b) Pattern 33

2

8ND.

PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)
SEMESTRAL ASSESSMENT TWO, 2019
PRIMARY FOUR

MATHEMATICS
Paper 1

Name: _____ (   )

Class: Primary 4 _____

Date: 31 Oct 2019

Total Time for Sections A, B and C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all the instructions carefully.
3. Answer all questions.
4. Shade your answers in the Optical Answer Sheet (OAS) provided.
5. All the figures in this paper are **not drawn to scale** unless stated otherwise.

	Marks Obtained / Maximum Marks	
SECTION A	/	32
SECTION B	/	40
SECTION C	/	28
TOTAL	/	100

PARENT'S SIGNATURE: _____

Questions **1** to **16** 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. (32 marks)

1. Eighty-four thousand and fifty-two in figures is _____.

    (1) 8452
    (2) 84 052

    (3) 84 502
    (4) 84 520
    (   )

2. How many one-fifths are there in 2 wholes?

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

    (3) 5
    (4) 10
    (   )

3. Express 0.06 as a fraction in its simplest form.

    (1) $\frac{3}{50}$
    (2) $\frac{3}{5}$

    (3) $\frac{1}{10}$
    (4) $\frac{1}{6}$
    (   )

1

4. 31 748 rounded to the nearest hundred is _____.

    (1) 31 700   (2) 31 750

    (3) 31 800   (4) 32 000   (   )

5. Which of the following is **not** an equivalent fraction of $\frac{2}{3}$?
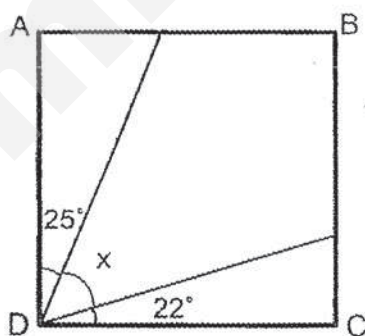
    (1) $\frac{4}{6}$ (2) $\frac{3}{9}$

    (3) $\frac{8}{12}$ (4) $\frac{10}{15}$ (   )

6. In the figure shown, ABCD is a rectangle Find $\angle$ x.

    (1) 43°   (2) 47°

    (3) 65°   (4) 68°   (   )

2

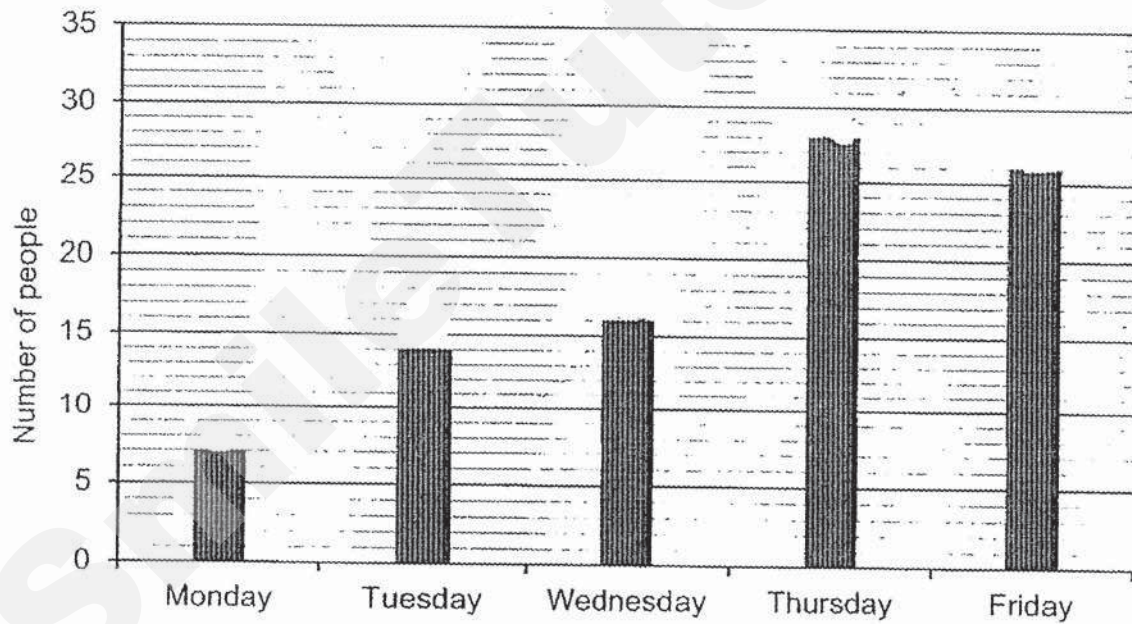7. What is the sum of the first 2 common multiples of 4 and 6?

(1) 10

(2) 12

(3) 24

(4) 36

( )

8. The bar graph below shows the number of people at the cinema from Monday to Friday.

On which day were there twice as many people at the cinema as on Tuesday?

(1) Monday

(2) Wednesday

(3) Thursday

(4) Friday

( )

3

9. Lynn and Vera shared a pizza. Lynn ate $\frac{2}{9}$ of the pizza. Vera ate $\frac{1}{9}$ of the pizza more than what Lynn ate. What fraction of the pizza did the two girls eat altogether?

(1) $\frac{5}{9}$

(2) $\frac{4}{9}$

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

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

(   )

10. Divide 7 by 9. Round your answer to the nearest tenth.

(1) 1.3

(2) 1.2

(3) 0.8

(4) 0.7

(   )
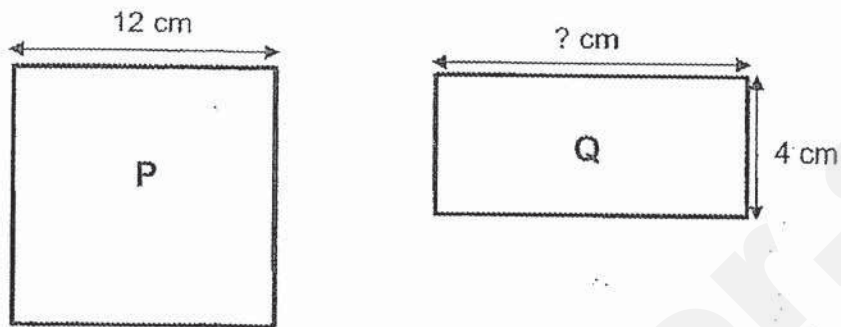
11. Subtract 0.26 from 19 tenths.

(1) 0.07

(2) 1.64

(3) 18.74

(4) 189.74

(   )

4

12. Square P and Rectangle Q have the same perimeter.
Find the length of Rectangle Q.

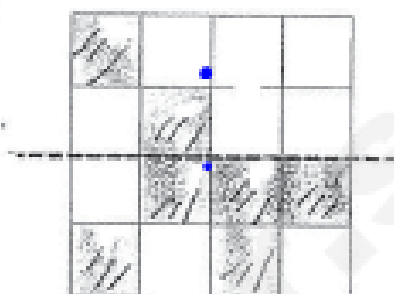| 12 cm	? cm
P	Q, 4 cm

(1) 12 cm   (2) 20 cm

(3) 22 cm   (4) 36 cm   (   )

13. Faizal took 1 h 30 min to complete Section A of a quiz. He had 40 min left to complete Section B of the quiz. The quiz ended at 11.15 a.m. What time did the quiz start?

(1) 10.35 a.m.   (2) 9.45 a.m.

(3) 9.05 a.m.   (4) 8.55 a.m.   (   )

5

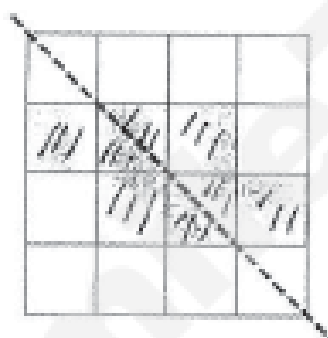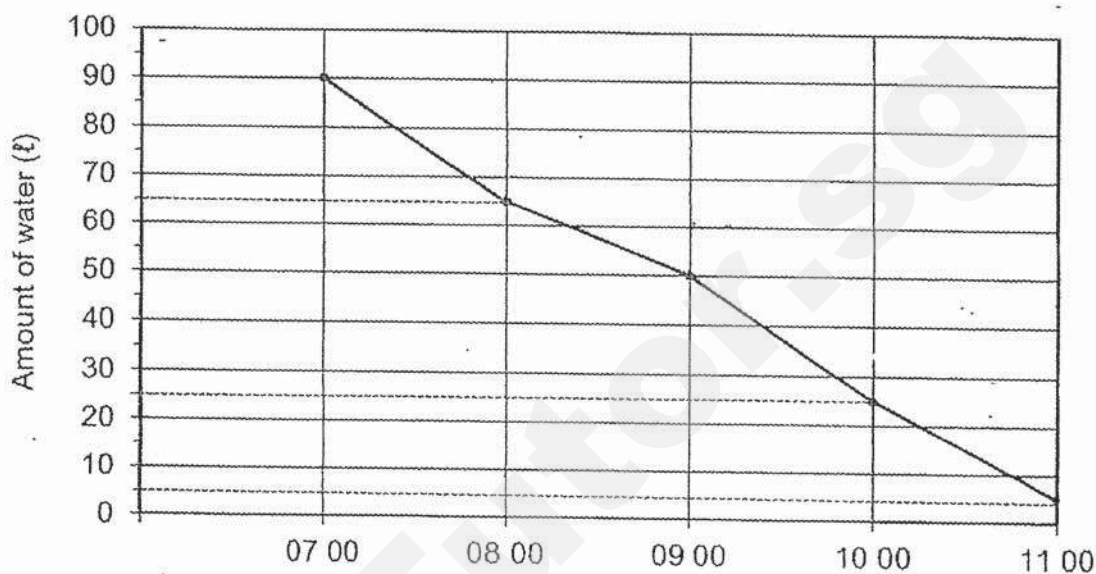14. Which figure shows the correct line of symmetry?

(1)

(2)

(3)

(4)

(   )

15. A tank was filled with 90 ℓ of water at 07 00. Water flowed out of the tank from 07 00 to 11 00. The line graph shows the amount of water in the tank from 07 00 to 11 00.

Which one-hour period shows the leaet decrease in the amount of water in the tank?

(1)   Between 0700 and 08 00   (2)   Between 08 00 and 09 00

(3)   Between 09 00 and 10 00   (4)   Between 10 00 and 11 00   (   )

16. Dylan and Shaun had 312 badges altogether. After Dylan gave Shaun 8 badges, he had 3 times as many badges as Shaun. How many badges did Shaun have at first?

(1)   86   (2)   80

(3)   78   (4)   70   (   )

End of Paper 1

7

PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT TWO, 2019

PRIMARY FOUR

MATHEMATICS
Paper 2

Name : _____ ( )

Class : Primary 4 _____

Date : 31 Oct 2019

Total Time for Sections A, B and C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all the instructions carefully.
3. Answer all questions.
4. All the figures in this paper are **not drawn to scale** unless stated otherwise.

	Marks Obtained / Maximum Marks	
SECTION B	/	40
SECTION C	/	28
TOTAL	/	68

Questions **17** to **36** carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.
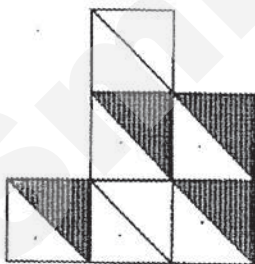
(40 marks)

17. Write the missing number in the number pattern below.

11 000	10 600	10 200	9800	?	9000

Ans: _____

18. The figure below is made up of 6 unit squares.
     What fraction of the figure is shaded?

Ans: _____

1

19. Two factors of 6 are 1 and 6. What are the other two factors of 6?

Ans: _____ and _____

20. 5008 – 542 = _____

Ans: _____ _____

21. Find the value of 6.83 x 7

Ans: _____

22. Write the decimal represented by X.

4.8

↑
X

4.9
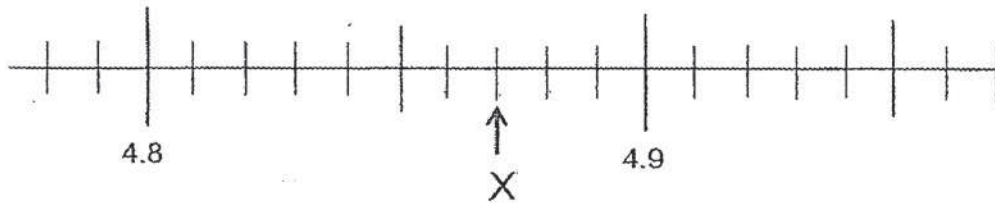
Ans: _____

---

23. Which two of the fractions below are smaller than $\frac{1}{2}$?

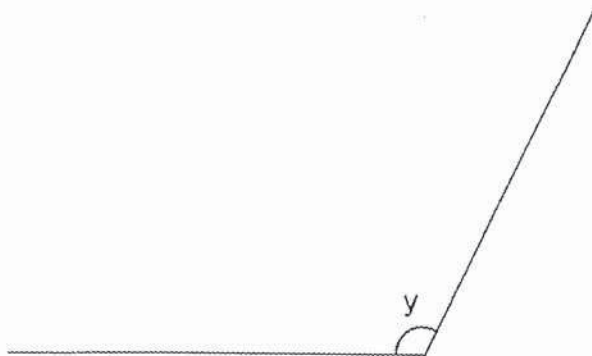$$\frac{2}{3} \ , \ \frac{3}{6} \ , \ \frac{4}{9} \ , \ \frac{5}{11}$$

Ans: _____ and _____

---

24. Arrange the following numbers from the smallest to the greatest.

$$\frac{4}{5} \ , \ 0.805 \ , \ 0.085$$

Ans: _____ , _____ , _____

    (smallest)   (greatest)
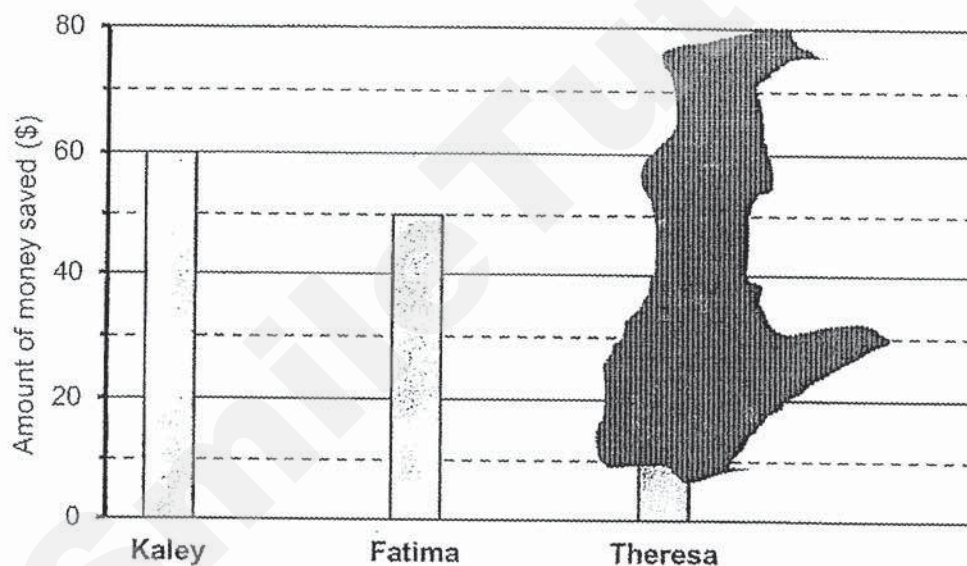
25. Measure and write down the size of ∠ y.

y

Ans: _____
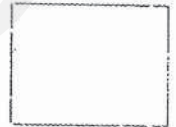
26. The bar graph shows the amount of money saved by 3 children in June. Part of the graph had been blotted with ink.
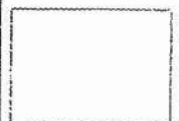

The total amount saved by the 3 children in June was $145.

Who saved more money, Fatima or Theresa?

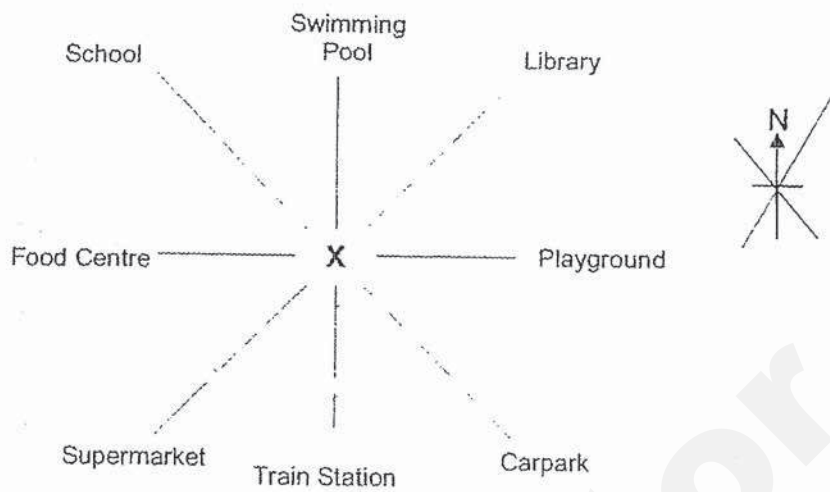How much more did she save?

Ans: Name: _____

$ _____ more

4

27. A tank was completely filled with water. After $\frac{2}{5}$ of the water in the tank was pumped out, 12 ℓ of water was left in the tank. How much water was there in the tank at first?

Ans: _____ ℓ

28. Mrs Chandra bought 7.65 kg of cocoa powder. She used 0.9 kg of cocoa powder for baking and repacked the rest equally into 9 packets. What was the mass of each packet?

Ans: _____ kg

5

29. The diagram below shows some landmarks in a neighbourhood.

School   Swimming Pool   Library

Food Centre —— X —— Playground

N

Supermarket   Train Station   Carpark

(a) Jane was standing at X and she was facing north-east.
Which landmark was she facing?

(b) Mei Ling was standing at X facing the Food Centre. She turned in the anticlockwise direction and found herself facing the Train Station. What was the angle that she had turned?
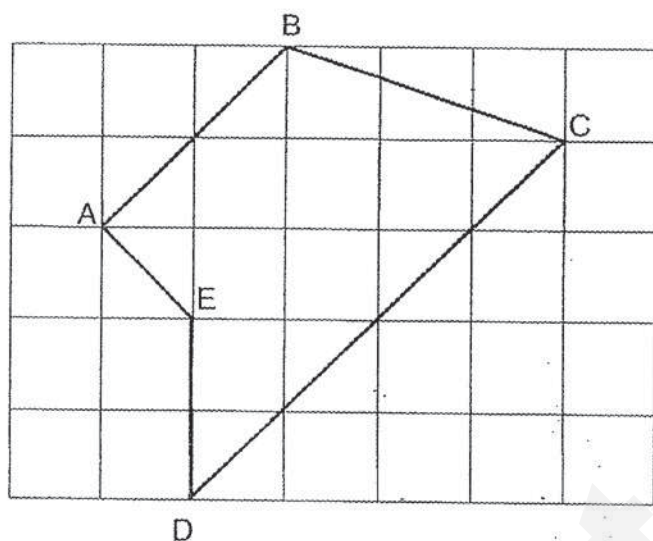
Ans: (a) _____

(b) _____ °

6

30. Figure ABCDE is drawn on the square grid shown.
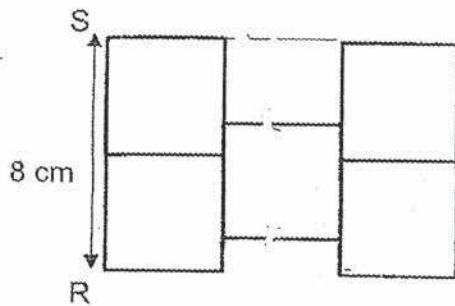

In the figure above, identify a pair of

(a) parallel lines.

(b) perpendicular lines.

Ans: (a) _____ // _____

(b) _____ ⊥ _____

31. The figure below is made up of 5 identical squares.
Given that SR = 8 cm, find the perimeter of the figure.

8 cm

Ans: _____ cm

32. Mrs Tan left her house for the supermarket at 08 30. She took 20 min to reach the supermarket. She left the supermarket at 10 05. How long was she at the supermarket? Give your answer in h and min.
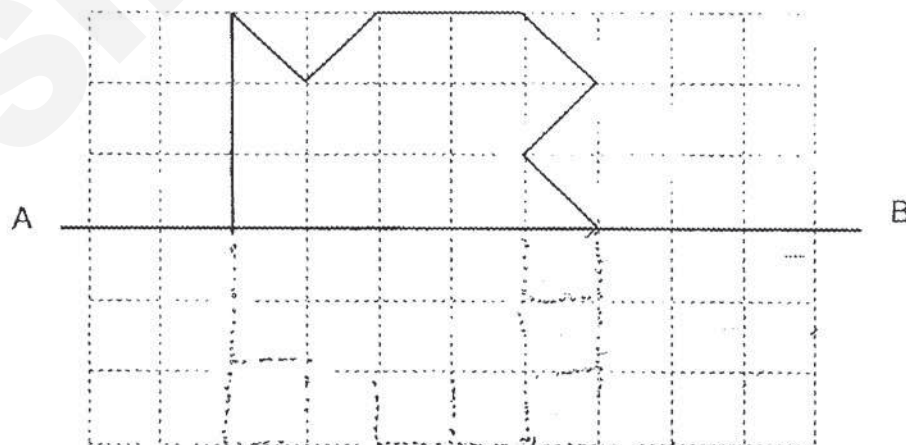
Ans: _____ h _____ min

8

33. STUV is a square piece of paper. A smaller square, WXVZ , with an area of 9 cm², is cut out and UX = 5 cm. Find the area of the square piece of paper STUV.
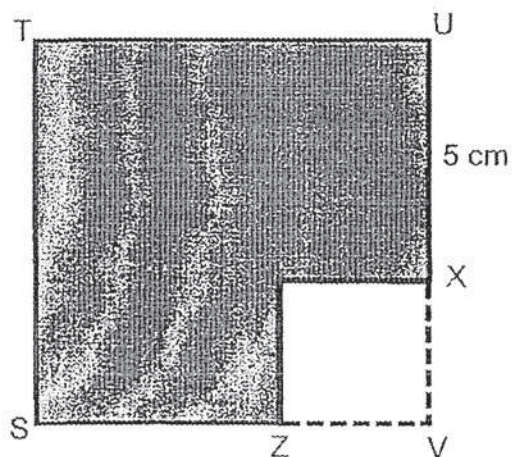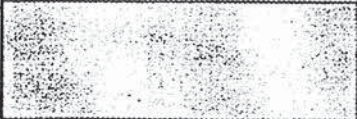
Ans: _____ _____ cm²

34. AB is a line of symmetry. Complete the figure to make it symmetrical.
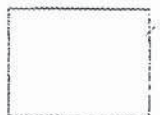

9

35. The figure below is made up of 4 rectangles. The lengths and breadths of each rectangle are in whole numbers.

Find the area of the shaded rectangle.
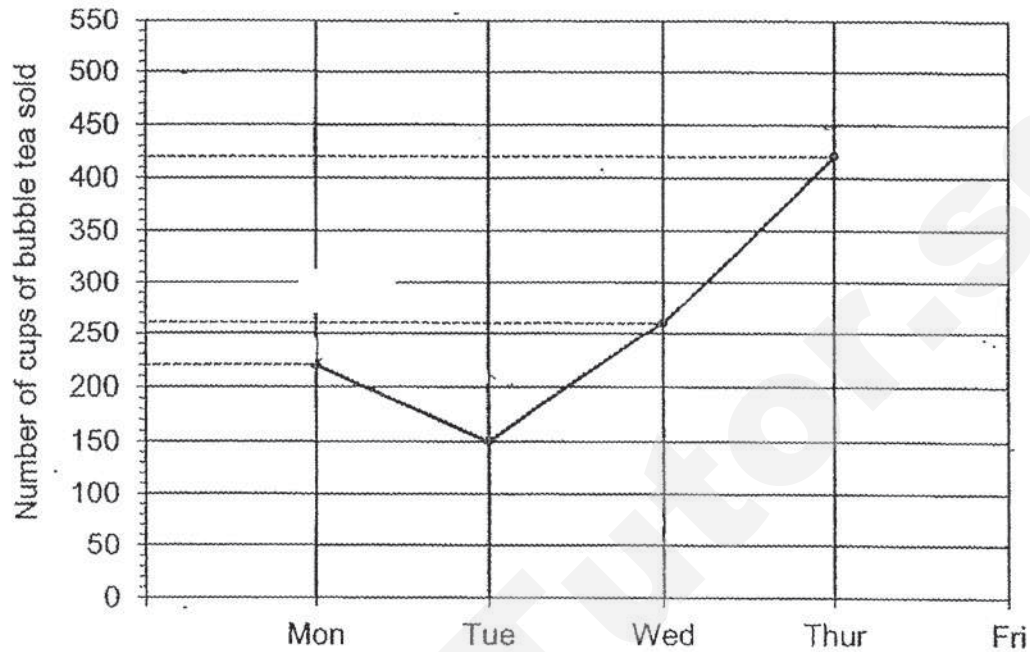
36 cm²	18 cm²
(shaded)	12 cm²

Ans: _____ cm²

36. The graph below shows the number of cups of bubble tea sold over 4 days. The data for Friday was missing.

(a) How many cups of bubble tea were sold from Monday to Wednesday?

(b) The number of cups of bubble tea sold on Thursday was 120 more than the number of cups of bubble tea sold on Friday. Find the number of cups of bubble tea sold on Friday.

Ans: (a) _____

(b) _____

SECTION C

For questions **37** to **43**, 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.

(28 marks)

37. Jim, Raihan and Sean had a total of $3285. Raihan had twice as much money as Jim. Sean had 3 times as much money as Raihan.

    (a) How much did Jim have?

    (b) What was the total amount of money that Sean must give to both Raihan and Jim so that all of them would have the same amount of money?

                                                    Ans: (a) _____ [2]

                                                         (b) _____ [2]

12

38. Amrita read $\frac{1}{4}$ of a book on Monday. She read $\frac{2}{3}$ of the book on Tuesday and the rest of the book on Wednesday. She read 17 pages of the book on Wsdnesday.

(a) What fraction of the book did she read on Wednesday?

(b) How many pages were there in the book?

Ans: (a) _____ [2]

(b) _____ [2]

13

39. Jeslyn and Hanish had the same amount of money. After Jeslyn spent $57.60 and Hanish spent $69, Jeslyn had 3 times as much money left as Hanish.
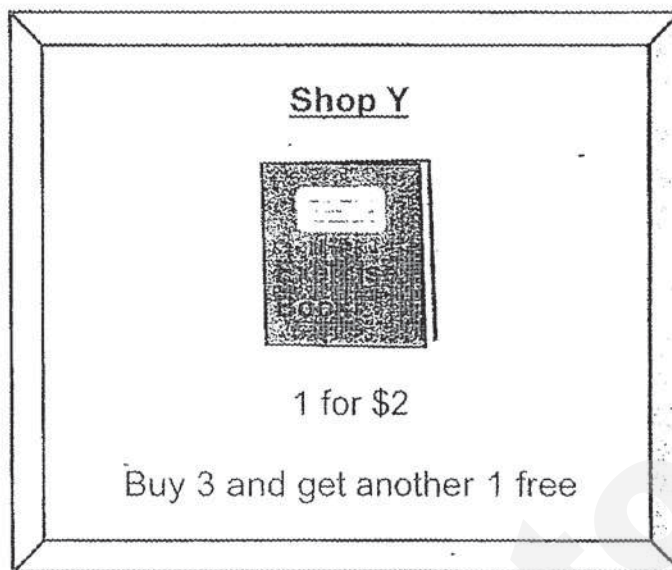
(a) How much money had Hanish left?

(b) How much money did Jeslyn have at first?

Ans: (a) _____ [2]

(b) _____ [2]
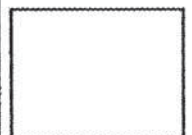
14

40. The following sign board was displayed at Shop Y.

Shop Y

1 for $2

Buy 3 and get another 1 free

(a) Gracelyn wanted to get 4exercise books.
What was the least amount of money that she needed to pay?

(b) Bala had $20. What was the most number of exercise books he could get?

Ans: (a)_____ [1]

(b)_____ [3]

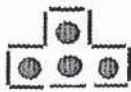41. The table below shows the number of sticks used to form each figure.

Figure 1

Figure 2

Figure 3

Figure 4

Figure Number	Number of sticks	Number of dots
1	10	4
2	17	8
3	24	12
4	31	16
5	(a) _____	(a) _____

[1]

(a) Complete the table for Figure 5.

(b) Which figure would have a total of 60 dots?

(c) How many sticks would be used for Figure 99?

Ans: (b) _____ [1]

(c)_____ [2]

16

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42. The mass of a box with 3identical wooden blocks is 3.14 kg. The mass of the same box with 4 identical metal blocks is 8.04 kg. The mass of one metal block is twice the mass of a wooden block.

(a) Find the mass of one wooden block.

(b) Find the mass of the empty box.

Ans: (a) _____ [2]

(b) _____ [2]

17

43. The area of a rectangular sheet of paper ABCD is 108 cm². It is then folded at a corner as shown below in Figure 2. Given that AD = 9 cm and AE = 4 cm.
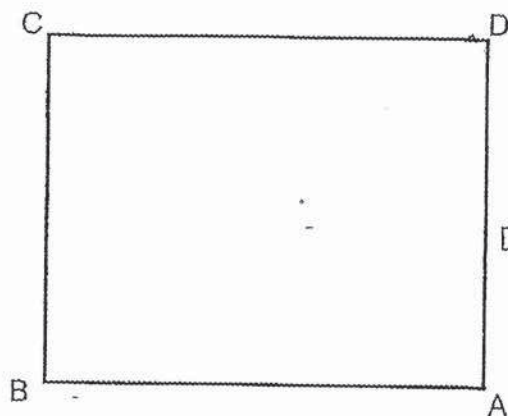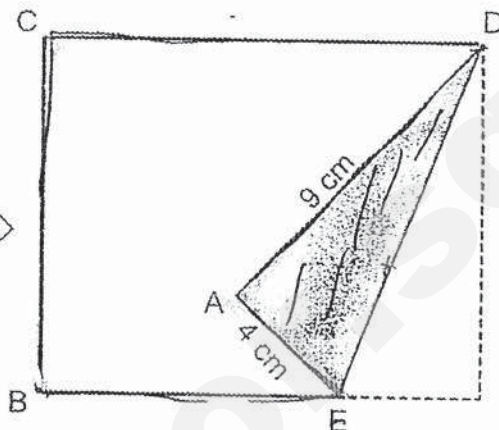
Figure 1

Figure 2

(a) Find the length of CD.

(b) Find the perimeter of the unshaded part AEBCD.

Ans: (a) _____ [2]

(b) _____

End of Paper
18

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SECTION A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	1	1	2	1	4	3	1	3

Q11	Q12	Q13	Q14	Q15	Q16
2	2	3	4	2	4

SECTION B

Q17. 9400

Q18. $\frac{1}{3}$

Q19. 2 and 3

Q20. 4466

Q21. 47.81

Q22. 4.87

Q23. $\frac{4}{9}$ and $\frac{5}{11}$

Q24. 0.085, $\frac{4}{5}$, 0.805

Q25. 116°

Q26. Name: <u>Fatima</u>

$15 more

Q27. 20l

Q28. 0.75 kg
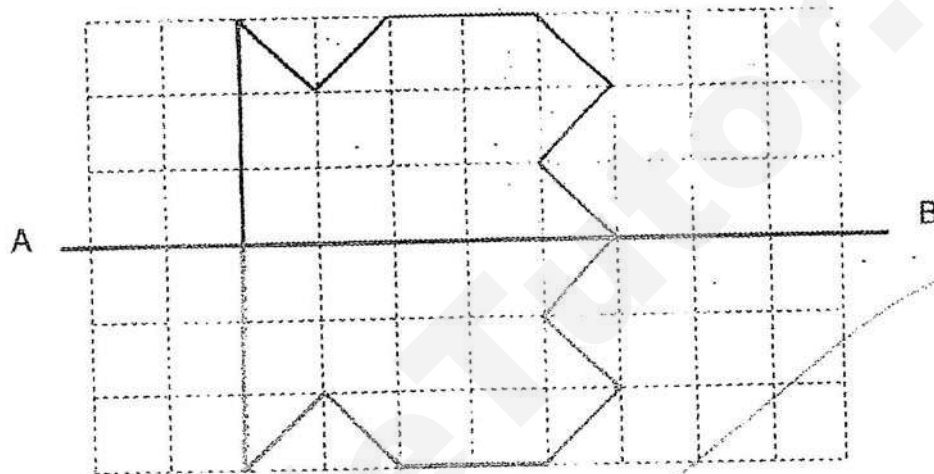
Q29. (a) Library

(b) 90°

1

Q30. (a)   AB // CD

(b)   AB ⊥ AE

Q31. 48 cm

Q32. 1 h 15 min

Q33. 64 cm^2

Q34.

Q35. 24 cm^2

Q36. (a)   630

(b)   300

SECTION C

Q37. (a) $\$3285 \div 9 = \$365$

(b) $9 \div 3 = 3$

$\$365 \times 3 = \$1095$

Q38. (a) $1 - \dfrac{1}{4} - \dfrac{2}{3} = \dfrac{1}{12}$

2

(b) $\frac{1}{12}$ of book $\rightarrow$ 17

Total no of pages $\rightarrow 17 \times 12 = 204$

Q39.(a) $\$69 - \$57.60 = \$11.40$

$\$11.4 \div 2 = \$5.70$

(b) $\$5.70 \times 3 = \$17.10$

$\$17.10 + \$57.60 = \$74.70$

Q40.(a) $\$2 \times 3 = \$6$

(b) $\$20 \div \$6 = 3 \text{ r } \$2$

$3 \times 4 = 12$

$12 + 1 = 13$

Q41.(a)

Figure Number	Number of sticks	Number of dots
5	38	20

(b) $60 \div 4 = 15$

(c) $99 \times 7 = 693$

$693 + 3 = 696$

Q42.(a) $4 \times 2 = 8$

$8 - 3 = 5$

Mass of 5 wooden blocks $\rightarrow 8.04 - 3.14 = 4.90\text{kg}$

Mass of 1 wooden block $\rightarrow 4.90 \div 5 = 0.98\text{kg}$

(b) $3 \times 0.98 = 2.94\text{kg}$

$3.14 - 2.94 = 0.20\text{kg}$

Q43.(a) $108 \div 9 = 12\text{cm}$

(b) Perimeter of AEBCD $\rightarrow 4 + 8 + 9 + 12 + 9 = 42\text{cm}$

3

END

METHODIST GIRLS' SCHOOL (PRIMARY)
Founded in 1887

END-OF-YEAR EXAMINATION 2019
PRIMARY 4
MATHEMATICS

(BOOKLET A)

Total Time

Sections A to C: 1 hour 45 minutes

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.

Name: _____ . (   )

Class: Primary 4._____

Date: 24 October 2019

This booklet consists of **8** printed pages including this page

Section A: MCQ (36 marks)

Questions 1 to 18 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.

1. In the number 42 130, which digit is in the **thousands place**?

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

2. Which of the following numbers when rounded to the nearest hundred becomes 54 600?

    (1) 54 544
    (2) 54 547
    (3) 54 557
    (4) 54 660

3. In which of the following numbers does the digit 6 stand for 6 tenths?

    (1) 12.06
    (2) 15.67
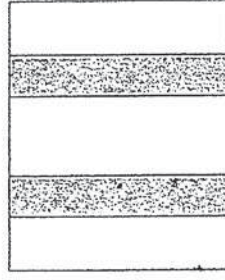   (3) 36.21
    (4) 60.34

(Go on to the next page)

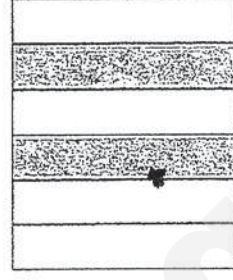4. Which one of the following has $\frac{2}{5}$ of the figure shaded?
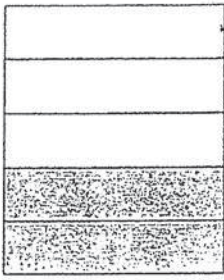
(1) (2) (3) (4)

5. Write $2\frac{7}{25}$ as a decimal.

(1) 2.25
(2) 2.28
(3) 2.7
(4) 2.725

6. What is the number when 721.54 is rounded to 1 decimal place?

(1) 722.0
(2) 721.6
(3) 721.5
(4) 721.0

7. Express $\frac{13}{8}$ as a mixed number.

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

(2) $1\frac{5}{8}$

(3) $1\frac{5}{13}$

(4) $1\frac{8}{13}$
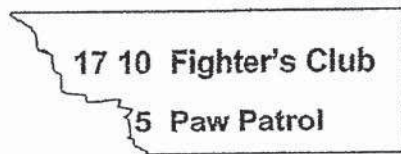
(Go on to the next page)

8. John wrote a whole number on a piece of paper.
    The number is a multiple of 4 and a factor of 16.
    It is **greater than 4** and **smaller than 20**.
    What is this number?

    (1) 8
    (2) 10
    (3) 12
    (4) 18

9. The mass of a box of chocolate is 280g.

    What is the total mass of 24 identical boxes of chocolates?

    (1) 1 680
    (2) 5 420
    (3) 6 520
    (4) 6 720

10. The sum of two numbers is 27.06.

    The greater number is twice the smaller number.

    What is the greater number?

    (1) 9.02
    (2) 13.53
    (3) 18.04
    (4) 18.4

11. Find the difference between 17.09 and 42.3.

    (1)   35.39

    (2)   25.39

    (3)   25.21

    (4)   24.4

12. Below is a portion of a TV programme torn from a magazine.

> **17 10 Fighter's Club**
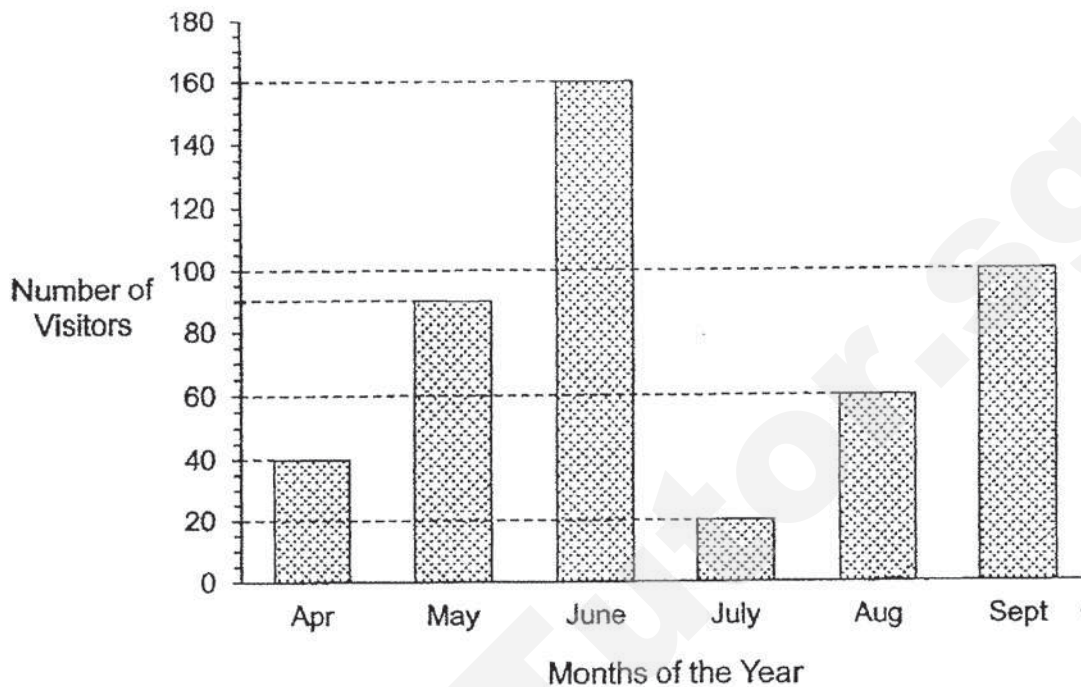>
> **5 Paw Patrol**

Fighter's Club lasted 1 h 55 min. What time did Paw Patrol start?

    (1)   19 05

    (2)   18 55

    (3)   18 05

    (4)   15 15

(Go on to the next page)

The graph below shows the number of visitors to Ostrich Farm.
Use the information and answer questions 13 and 14.

Number of Visitors

Months of the Year

13. Which month has three times the number of visitors in July?

(1) May
(2) April
(3) August
(4) September

14. Which two-month interval has the greatest **increase** in the number of visitors?

(1) May to June
(2) June to July
(3) July to August
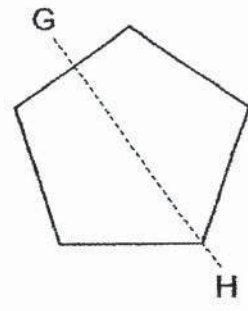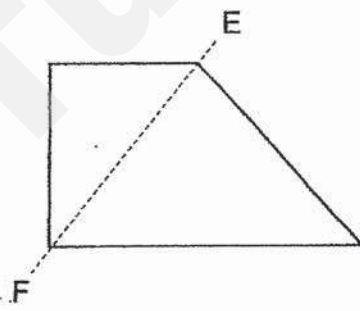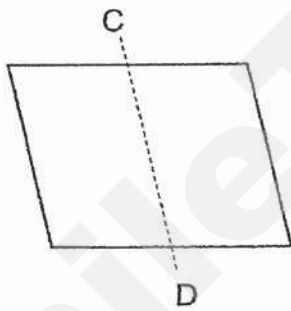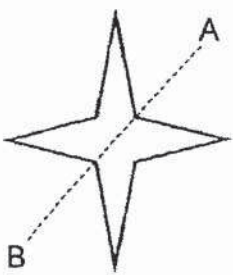(4) August to September

(Go on to the next page)

15. The difference in length between 2 strings is $\frac{1}{5}$ m.

The shorter string is $\frac{2}{3}$ m.

What is the length of the longer string?

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

   (2) $\frac{7}{15}$ m
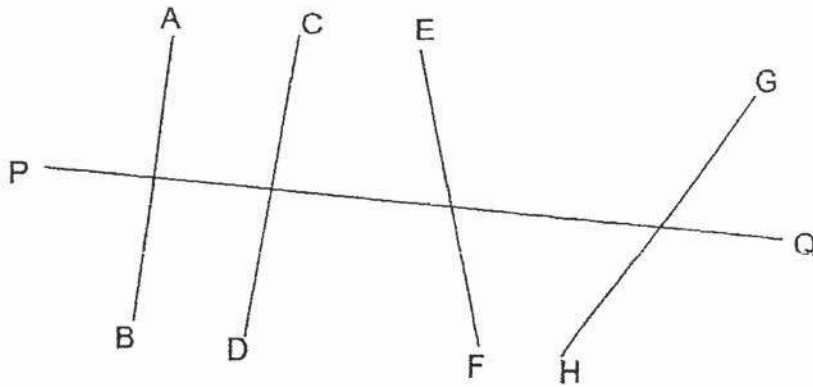
   (3) $\frac{9}{15}$ m

   (4) $\frac{13}{15}$ m

16. Which one of the following lines is a line of symmetry to its figure?

   (1)   AB

   (2)   CD

   (3)   EF

   (4)   GH

17. Which one of the following pairs of lines is perpendicular to each other?

(1)　　AB ⊥ PQ

(2)　　AB ⊥ CD

(3)　　EF ⊥ PQ

(4)　　GH ⊥ CD

18. Siti started jogging around the stadium at 17 10.

Mary started jogging 15 minutes earlier than Siti.

They both stopped jogging at 18 45. How long did Mary jog?

(1)　　3 h 25 min

(2)　　1 h 50 min

(3)　　1 h 35 min

(4)　　1 h 20 min

End of Booklet A

METHODIST GIRLS' SCHOOL (PRIMARY)
Founded in 1887

END-OF-YEAR EXAMINATION 2019
PRIMARY 4 MATHEMATICS
BOOKLET B

Total Time: 1 h 45 minutes

<u>INSTRUCTIONS TO CANDIDATES</u>

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ (   )

Class: Primary 4. _____

Date: 24 October 2019

BOOKLET A	36
BOOKLET B	36
BOOKLET C	28
TOTAL	100
Parent's signature	

This booklet consists of **8** printed pages including this page.

Section B: (36 marks)

Questions 19 to 36 carry 2 marks each.
Write out the correct answers for the following questions in the space provided.
Show your working clearly and give your answers in the units provided.

19. Write the missing number in the number pattern below.

    3 759, 3 809, 3 859, _____, 3 959

    Ans : _____

20. Two factors of 27 are 1 and 27.

    What are the other two factors of 27?

    Ans : _____ and _____

21. What is the remainder when 2 014 is divided by 7?

    Ans : _____

22. Which two of the fractions below are greater than $\frac{1}{2}$?

    $\frac{3}{7}$, $\frac{4}{8}$, $\frac{5}{9}$, $\frac{6}{11}$

    Ans : _____ and _____

(Go on to the next page)

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23. Find the value of $1 - \frac{1}{8} - \frac{1}{4}$.
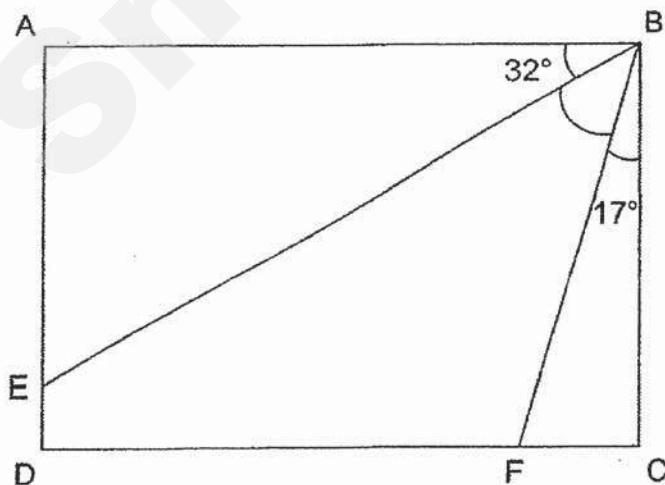
Ans : _____

24. $8.4 - 0.93 =$ _____
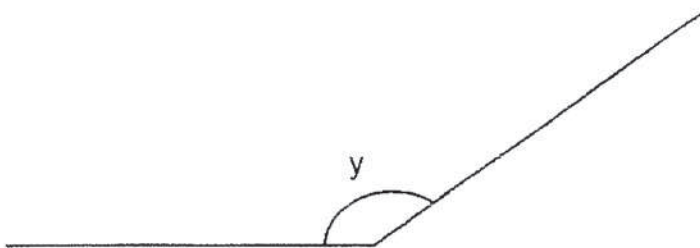
Ans : _____

25. $6.08 \times 7 =$ _____

Ans : _____

26. In the figure shown, ABCD is a rectangle. Find $\angle EBF$.

Ans : _____ °

(Go on to the next page)
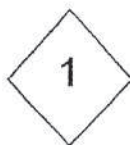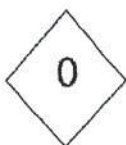
27. Measure and write down the size of ∠y.

Ans : _____ °

28. Read the clues and use the digits below to form the **smallest possible 4-digit** odd number.

The digit in the tens place is twice the digit in the ones place.
The digit in the hundreds place is 1 less than the digit in the ones place.
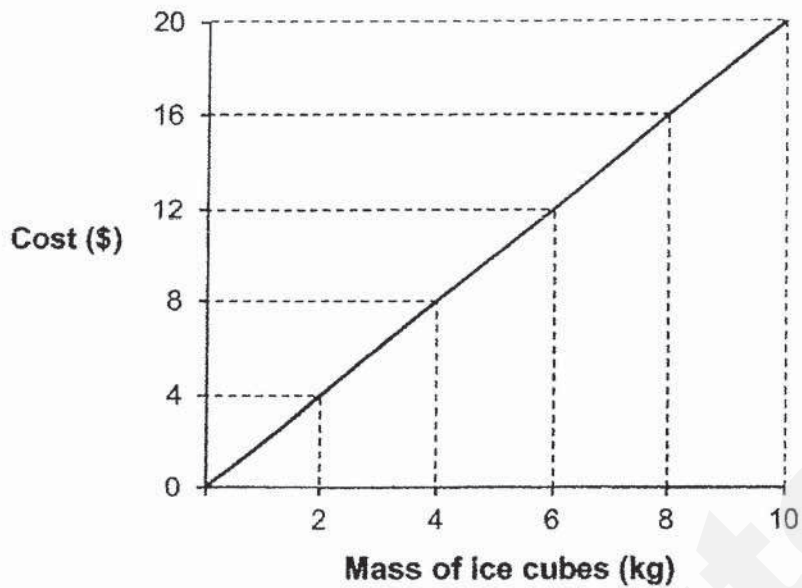Each digit can be used **only once**.

Ans : _____

29. There are 36 girls in the class. $\frac{4}{9}$ of them wear spectacles.
How many girls in the class **do not** wear spectacles?

Ans : _____

(Go on to the next page)

Study the graph carefully and answer questions 30 and 31.
The graph below shows the cost of ice cubes per kilogram.

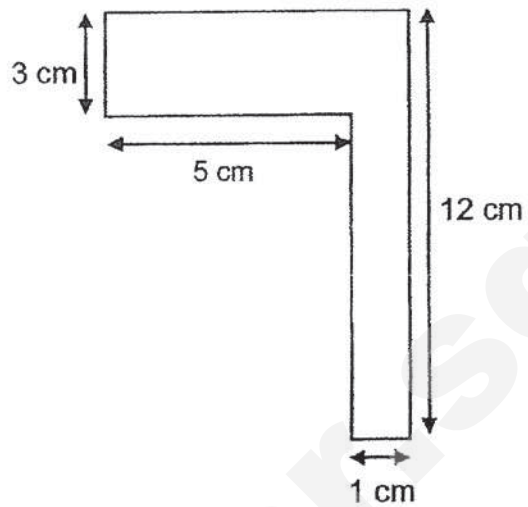30. Sarah paid $12 for ice cubes while Cindy paid $20. How many more kilograms of ice did Cindy pay for?

Ans : _____ kg

31. Mr Lim bought 8 kg of ice and paid with a $50 note. How much change did he receive?

Ans : $ _____
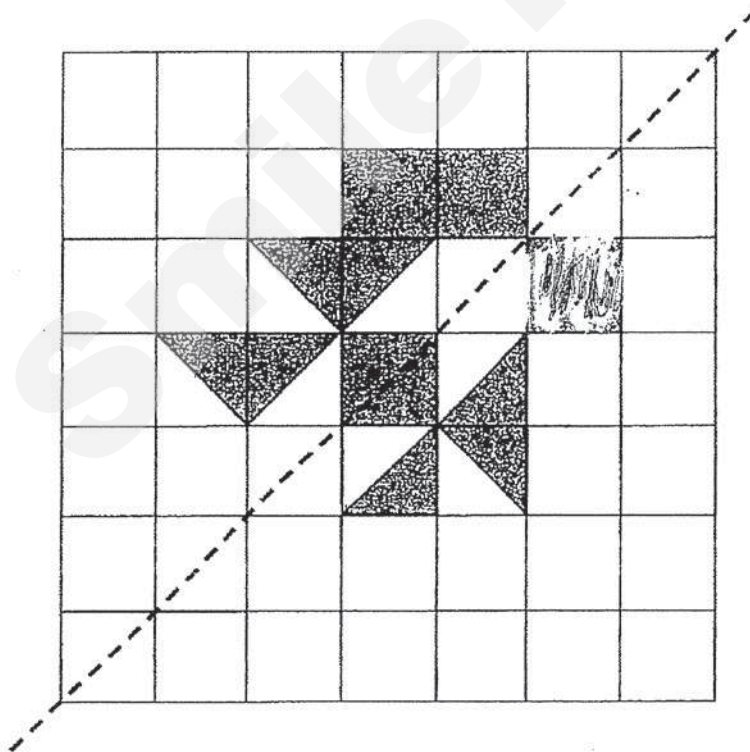
(Go on to the next page)

32. In the figure, all the lines meet at right angles.
Find the area of the figure.

3 cm

5 cm

12 cm

1 cm

Ans : _____ cm²

33. **Complete** the symmetrical figure below by **shading 1 triangle and 1 square** to make it symmetrical with the dotted line as the line of symmetry.

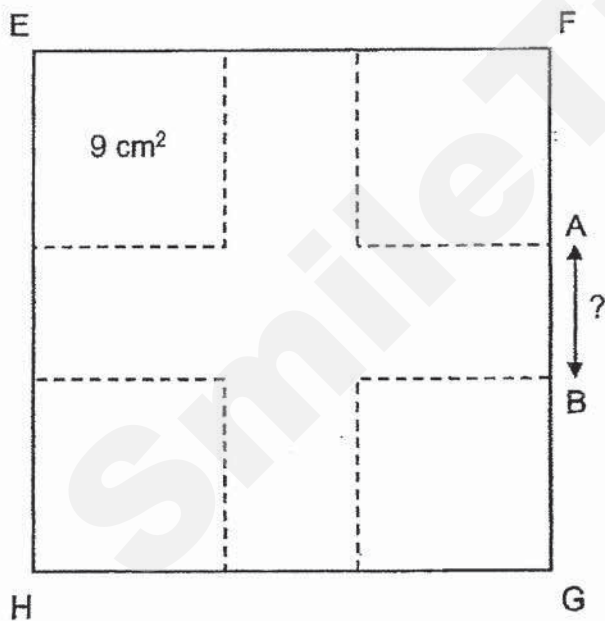34. A train took 5 h 35 min to travel from Town A to Town B.

    It reached Town B at 04 15.

    What time did the train leave Town A? (Give your answer using the 24-hour clock)
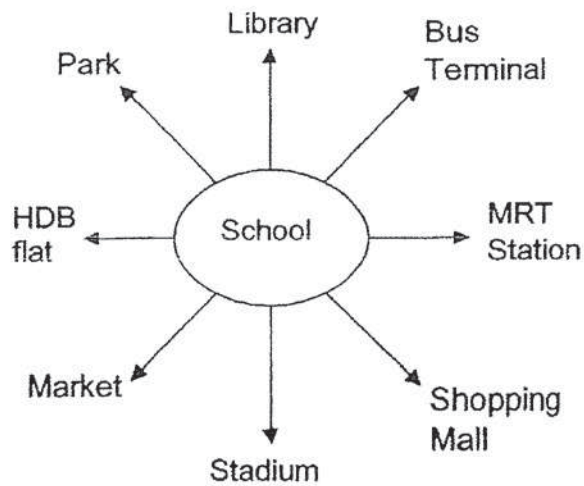
    Ans : _____

35. The area of square EFGH is 64 cm². John cuts away 4 identical small squares from its corners. The area of each small square is 9 cm². What is the length of AB?

    Ans : _____ cm

(Go on to the next page)

36. Use the information below to answer questions 36a and 36b.

(a) Alice came out of her school. She made a $\frac{1}{4}$ - turn to her right to face the bus terminal. In which direction was she facing at the beginning?

Ans : _____

(b) Gopal came out of his school facing the MRT station. He changed his mind and decided to take the bus instead.
What was the angle he had to turn **anti-clockwise** in order to go to the bus terminal?

Ans : _____ °

End of Booklet B

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

END-OF-YEAR EXAMINATION 2019
PRIMARY 4
MATHEMATICS

(BOOKLET C)

Total Time

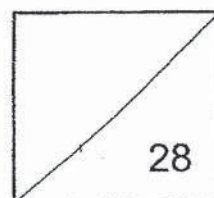Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4._____

Date: 24 October 2019

28

This booklet consists of 9 printed pages including this page.

Section C: (28 marks)

Show your working clearly in the space provided for each question 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.

37. A teapot has a mass of $\frac{5}{12}$ kg. A teacup has a mass of $\frac{1}{6}$ kg.

   The total mass of a tray with the teapot and teacup is 2 kg.

   (a) What is the total mass of the teapot and teacup?
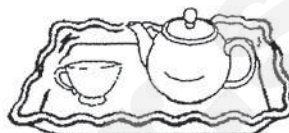
   (b) What is the mass of the tray?

   Ans : (a) _____ [1]

   (b) _____ [2]

(Go on to the next page)

38. There are some red and green apples in a basket.

$\frac{2}{7}$ of the apples are green.

The difference between the number of green and red apples is 243.

How many apples are there in the basket?

Ans : _____ [3]
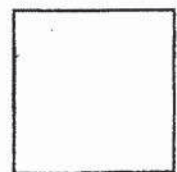
(Go on to the next page)

39.   The total amount of water in Jugs A, B, C and D was 13.4*l*.

   Jug A was filled with 1.5*l* more water than Jug B.

   Jug B and C had the same amount of water.

   Jug C had twice as much water as Jug D.

   How much water was there in Jug D?

Ans : _____ [3]

(Go on to the next page)

40. The figure below shows square WXYZ overlapping rectangle ABCD. The area of rectangle ABCD is 108 cm².
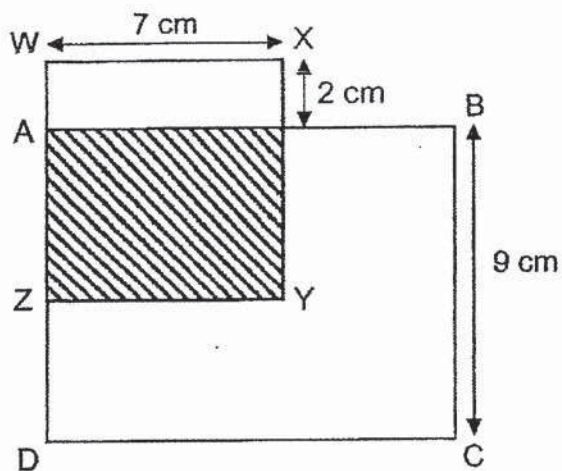
(a) What is the length of AB?

(b) What is the area of the shaded part?

Ans : (a) _____ [2]

(b) _____ [2]
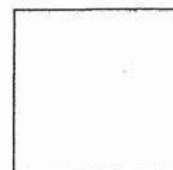
(Go on to the next page)

41. The table below shows the different pricing at ABC Cinema.

Item	Cost
Ultimate Movie Package • movie ticket • 1 cup of drink • 1 box of popcorn	$12.80
Price of 1 ticket	$ 9.50

Mr Tan went to watch the movie with his 3 children. He bought 1 ultimate movie package and 3 tickets. How much did Mr Tan pay altogether?

Ans : _____ [4]

(Go on to the next page)

42. Raju threw some darts.

    For every star he hit, he scored 3 points.

    For every sun he hit, he scored 2 points.

    He had 30 hits and scored 72 points.

    How many stars did he hit?

| ☆ | = 3 points |
| ☀ | = 2 points |
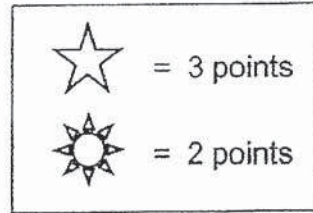
Ans : _____ [3]
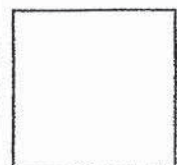
(Go on to the next page)

43. Judy has 4 bags and 5 containers.

Each container can hold 6 more marbles than a bag.

Judy has a total of 165 marbles.

How many marbles are there in each bag?

Ans : _____ . [4]
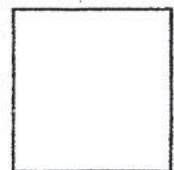
(Go on to the next page)

44. Box A had 5 times as many sweets as Box B at first.
Meili took some sweets from Box A and put them into box B so that both boxes would have equal number of sweets.
Box B had 270 sweets in the end.

(a) How many sweets were there in Box B at first?

(b) How many sweets did Meili take from Box A to put into Box B?

Ans : (a) _____ [2]

(b) _____ [2]
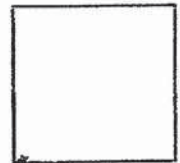
End of Booklet C

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : METHODIST GIRLS' SCHOOL
SUBJECT : MATHEMATICS
TERM : END-OF-YEAR EXAMINATIONS

BOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	2	1	2	3	2	1	4	3
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18		
3	1	3	1	4	4	1	2		

BOOKLET B

Q19. 3909
Q20. 3 and 9
Q21. 5
Q22. $\frac{5}{9}$ and $\frac{6}{11}$
Q23. $\frac{5}{8}$
Q24. 7.47
Q25. 42.56
Q26. 41°
Q27. 144°
Q28. 3021
Q29. 20 girls
Q30. 4kg
Q31. $34
Q32. 27 cm²
Q33.

Q34. 2240
Q35. 2cm
Q36. (a) Park
     (b) 45°
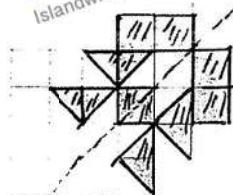
BOOKLET C

Q37. (a) $\frac{7}{12}$kg

    (b) $1\frac{5}{12}$kg

Q38. 567 apples

Q39. 1.7ℓ

Q40. (a) 12cm

    (b) 35 cm²

Q41. $41.30

Q42. 12 stars

Q43. 15 marbles

Q44. (a) 90 sweets

    (b) 180 sweets

2

END

NAN HUA PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 – 2019

PRIMARY 4

MATHEMATICS

INSTRUCTIONS TO CANDIDATES

1. Write your name, register number and class 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 - 20.

Marks Obtained

Section	Maximum Marks	Actual Marks
A	40	
B	40	
C	20	
Total	100	

Name : _____ (   )

Class : Pr 4_____

Date : 30 October 2019

Duration: 1 h 45 min

Parent's Signature :_____

Questions **1** to **20** 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.

(40 marks)

1. What is the remainder when 3062 is divided by 4?

   (1)   1

   (2)   2

   (3)   3

   (4)   4

2. In which of the following are the numbers arranged from the smallest to the greatest?

	(smallest)		(greatest)
(1)	8230 ,	8203 ,	8023
(2)	8023 ,	8230 ,	8203
(3)	8230 ,	8023 ,	8203
(4)	8023 ,	8203 ,	8230

3. Which of the following is a multiple of both 4 and 6?

   (1)   10

   (2)   16

   (3)   30

   (4)   36

4. Two factors of 56 are 2 and 14. What are the other two factors of 56?

   (1)   1 and 4

   (2)   3 and 8

   (3)   4 and 9

   (4)   6 and 7

1

5. Find the value of $\frac{5}{12} - \frac{1}{4}$

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

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

    (3) $\frac{1}{6}$

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

6. Write $4\frac{3}{20}$ as a decimal.

    (1)   4.32

    (2)   4.3

    (3)   4.15

    (4)   4.015

7. What is the number when 381.51 is rounded to 1 decimal place?

    (1)   381.0

    (2)   381.5

    (3)   381.6

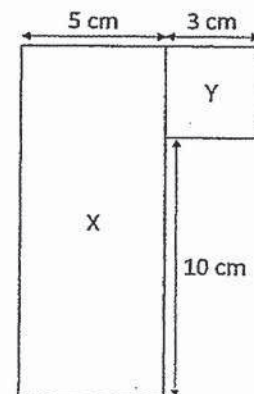   (4)   382.0

8. The figure shown is made up of a square Y of side 3 cm and a rectangle X with breadth 5 cm. What is length of the rectangle?

    (1)   8 cm

    (2)   10 cm

    (3)   13 cm

    (4)   15 cm

2

9. The table below shows the wait time for 4 rides in Resort World Sentosa.

Rides	Wait Time
Transformers	25 min
Battlestar Galactica	35 min
Enchanted Airways	1h 25 min
Revenge of the Mummy	1h 35 min

Georgina started queuing for one of the rides at 19 45 and entered at 20 10. Which ride did she take?

(1)   Transformers

(2)   Battlestar Galactica

(3)   Enchanted Airways

(4)   Revenge of the Mummy

10. The opening hours of a restaurant are shown below. How long is the restaurant open on a Sunday?

Days	Daily Opening Hours
Mon – Fri	10 a.m. to 8.30 p.m.
Sat – Sun	9.45 a.m. to 10.30 p.m.

(1)   10 h 30 min

(2)   11 h 30 min

(3)   12 h 15 min

(4)   12 h 45 min

11. Benny has 4789 stickers. His sister has 747 stickers less than him. How many stickers do they have altogether?

    (1)   4042

    (2)   5536

    (3)   8831

    (4)   9578

12. Melissa bought 9 m of ribbon to tie 3 similar presents. She used 2.59 m of the ribbon to tie each present. What was the length of the ribbon left?

    (1)   0.41 m

    (2)   1.23 m

    (3)   6.41 m

    (4)   7.77 m

13. Jonathan and Rashid had $2014 altogether. After Jonathan spent $274, he had twice as much money as Rashid. How much money did Rashid have?

    (1) $580

    (2) $854

    (3) $1434

    (4) $1740

14. Mr Tan packed 296 cookies into boxes. Each box contained 7 cookies. He sold each box of cookies at $4 and the remaining cookies at $1 each piece. How much would he collect if he sold all cookies?

    (1) $168

    (2) $170

    (3) $317

    (4) $1184

4

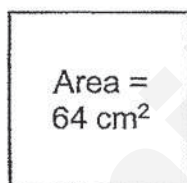15. The table below shows the ingredients needed to make 3 pots of tomato soup.

Ingredient	Amount
Tomato	3.9 kg
Onion	1.26 kg
Butter	0.87 kg

David wanted to make 9 pots of tomato soup to sell at his shop.

How much onions would he need to make 9 pots of tomato soup?
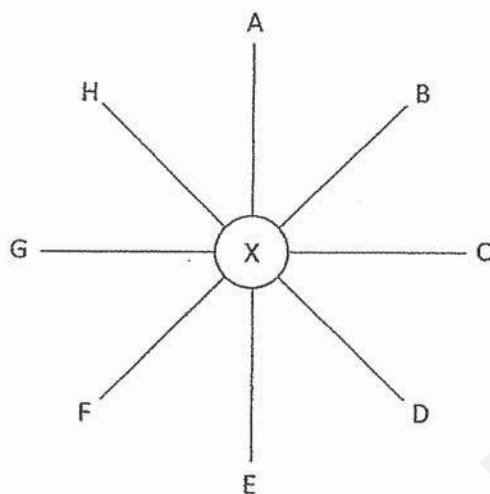
(1)   1.26 kg

(2)   3.78 kg

(3)   6.03 kg

(4)   11.34 kg

16. What is the length of the square?

Area =
64 cm²

(1)   8 cm

(2)   2 cm

(3)   16 cm

(4)   32 cm

5

17. Cai Hong is standing at X and facing one of the points now. After she turns 135° anticlockwise, she will face D. Which point is Cai Hong facing now?

(1)   A

(2)   B

(3)   F

(4)   G

18. Cassandra used $\frac{1}{5}$ kg of flour to make cookies and $\frac{1}{2}$ kg of flour to make brownies. After that, she had $\frac{1}{5}$ kg of flour left. How many kilograms of flour did she have at first?

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

(2) $\frac{7}{10}$ kg

(3) $\frac{9}{10}$ kg

(4)   1 kg

6

The weekly allowance for 5 students is recorded in the bar graph below.
Study the graph carefully and answer questions 19 and 20.

Weekly Allowance for 5 Students
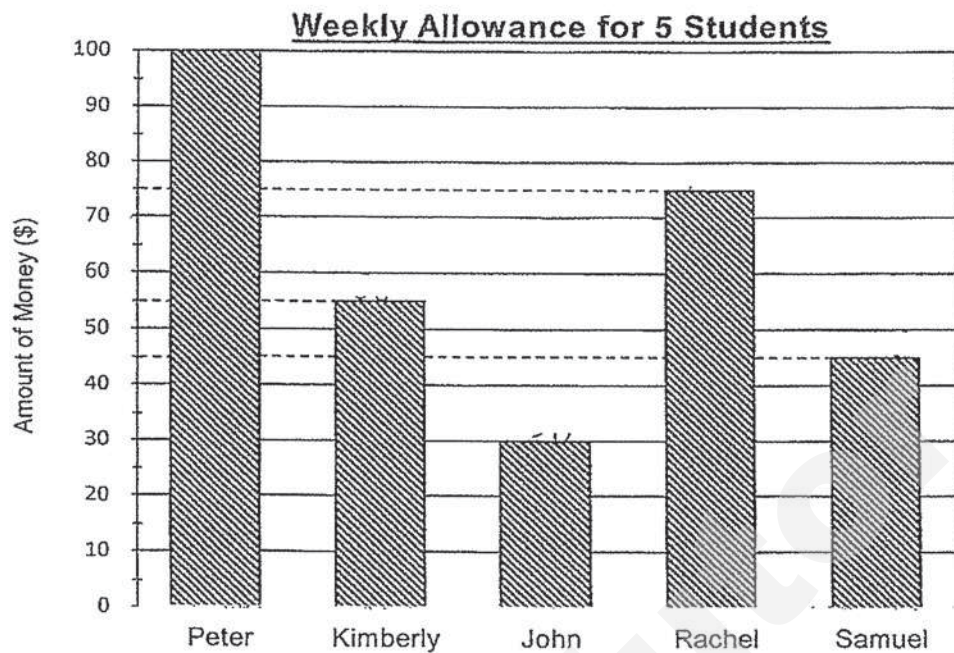
19. Which 2 students had the lowest combined weekly allowance?

    (1)   Peter and John

    (2)   John and Rachel

    (3)   Rachel and Samuel

    (4)   Kimberly and Samuel

20. There are 4 weeks in a month.
    What is the total allowance of Kimberly and Rachel in a month if they receive the
    same amount of money every week?

    (1) $130

    (2) $305

    (3) $520

    (4) $1220

Section B: Open-ended Questions
Questions **21** to **40** 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.

(40 marks)

21. Round 62 930 to the nearest hundred.

Ans: _____

22. Find the product of 7649 and 7.

Ans: _____

23. Write the missing number in the number pattern below.

7849 , 7999 , 8149 , _____ , 8449

Ans: _____

24. Which two fractions below are equivalent to $\dfrac{6}{12}$?

$$\frac{1}{2} \quad , \quad \frac{2}{8} \quad , \quad \frac{2}{6} \quad , \quad \frac{2}{4}$$

Ans: _____ and _____

8

25. Arrange the following fractions from the greatest to the smallest.

$$\frac{1}{3} \; , \; \frac{5}{6} \; , \; \frac{7}{12}$$

——————— , ——————— , ———————
(greatest)   (smallest)

26. Which two fractions below are smaller than $\frac{1}{2}$?

$$\frac{2}{3} \; , \; \frac{3}{7} \; , \; \frac{4}{8} \; , \; \frac{5}{12}$$

Ans: ☐ and ☐

27. Express 0.6 as a fraction.

Ans: ☐

28. Find the value of 7.94 × 8.

Ans: ☐

9

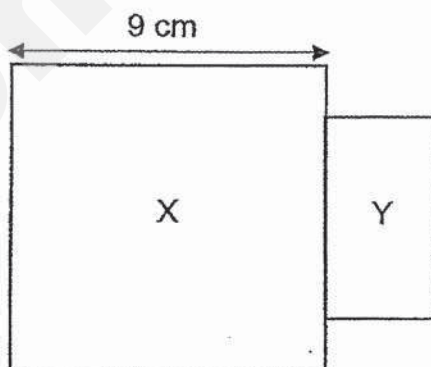29. Arrange the following numbers from the smallest to the greatest.

$$\frac{4}{5} \quad , \quad 0.805 \quad , \quad 0.085$$

_____ , _____ , _____
(smallest)　　　　　　　(greatest)

30. A cup and 2 identical spoons cost $14.60. 1 such cup and 1 such spoon cost $9.90. What is the price of 1 cup?
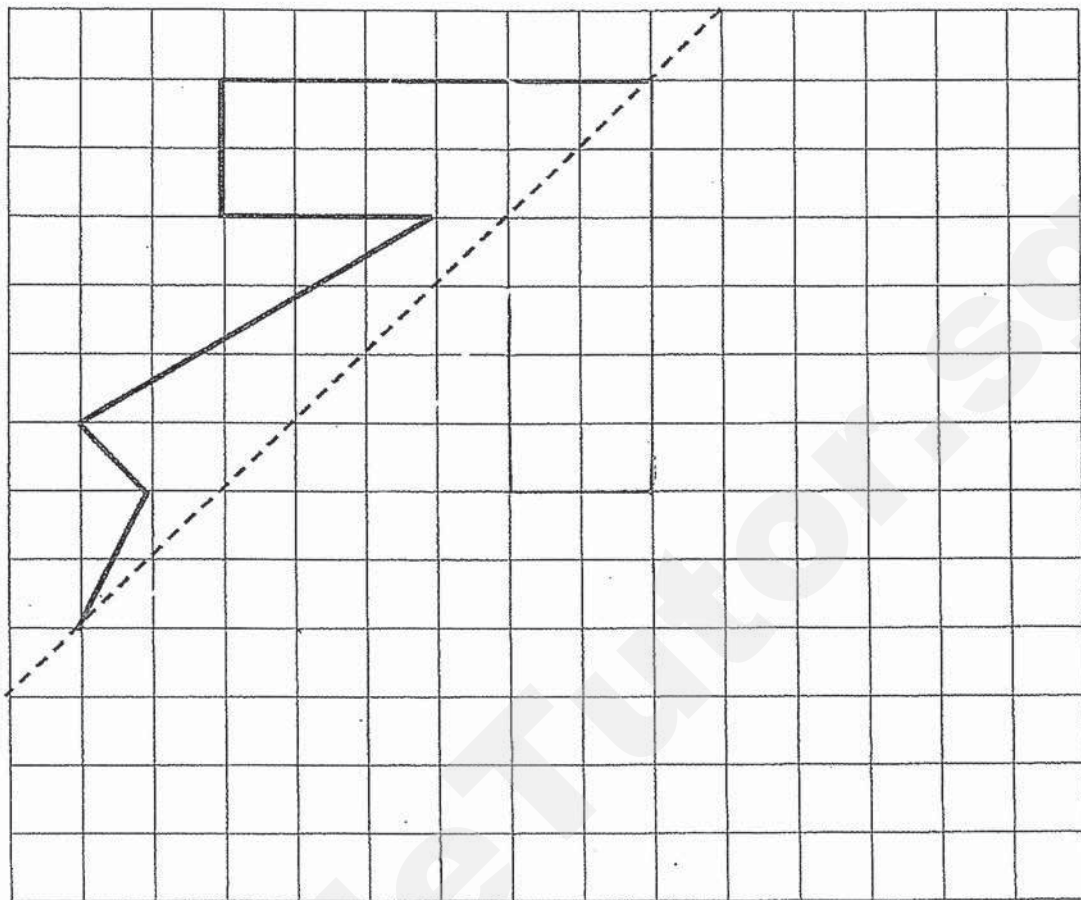
Ans: $ [　　　　　]

31. The figure below is made up of Square X and Rectangle Y.
The side of the square is thrice the breadth of the rectangle.
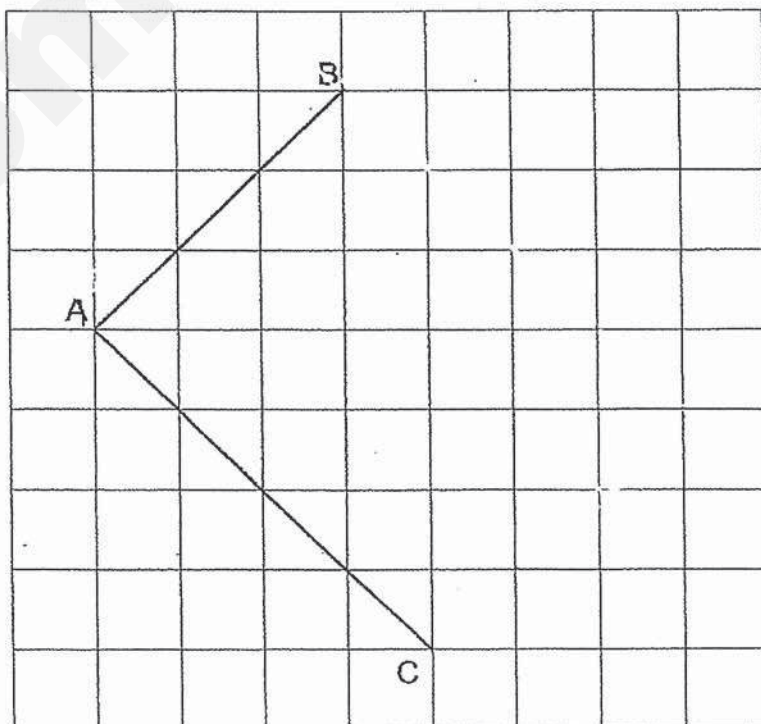Find the perimeter of the figure.

9 cm

X

Y

Ans: [　　　　] cm

32. Complete the symmetric figure with the dotted line as the line of symmetry.

33. In the grid below, draw and label the rectangle ABCD.
   Lines AB and ~~AC~~ BC have been drawn for you.

11

34. Richard drives 7.95 km a day while his brother drives 4.19 km a day.
    How much further would Richard have driven in 6 days than his brother?

Ans: [＿＿＿＿＿] km

35. John is 25 years old now and his sister is 18 years younger.
    In how many years' time would John be twice as old as his sister?

Ans: [＿＿＿＿＿]

The line graph below shows the volume of water in a tank at a water factory at each 2-hour interval from 0700 to 1900. The tap was turned on to drain the tank at 0900. Study the graph carefully and answer questions 36 to 38.

Volume of water in the tank from 0700 to 1900
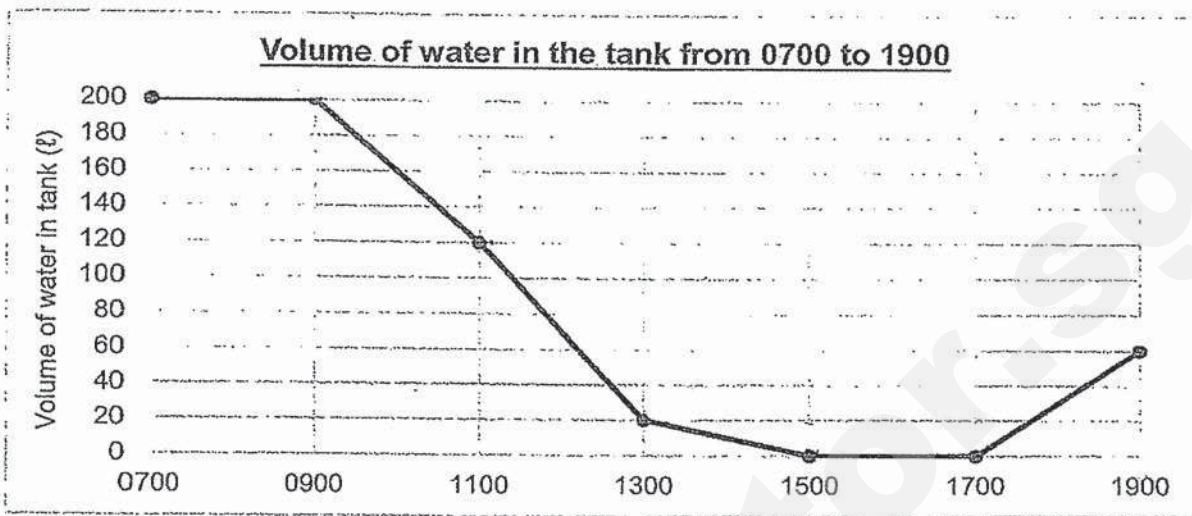
36. During which 2-hour interval was the decrease in volume of water in the tank the greatest?

Ans: [____] to [____]

37. How long did it take to drain the tank completely?

Ans: [____] hours

38. The tank was half-filled at 2100. How much water was added into the tank between 1900 and 2100?
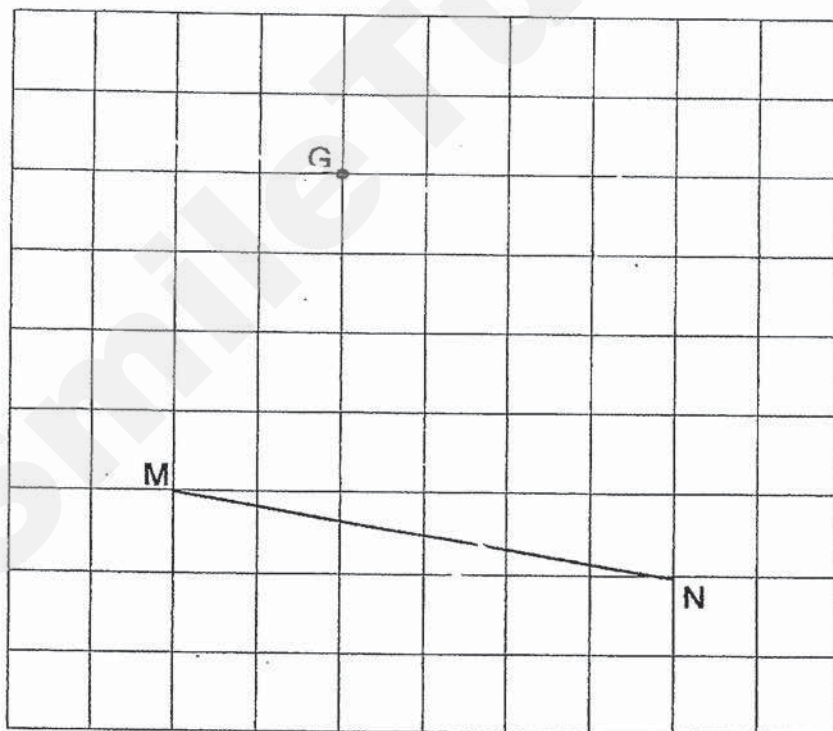
Ans: [____] ℓ

13

39.   Draw ∠ABC = 137° using the given line. Mark and label the angle.

A ————————————— B

40.   Draw a line parallel to MN, passing through point G.

14

For each of the following questions, 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 question or part-question.   (20 marks)

41. Pole A is $\frac{4}{5}$ m long. It is $\frac{1}{4}$ m longer than Pole B. What is the total length of Pole A and Pole B?

(Express your answer as a mixed number or fraction in its simplest form)

Ans: _____ [3m]

42. Look at the figure below.
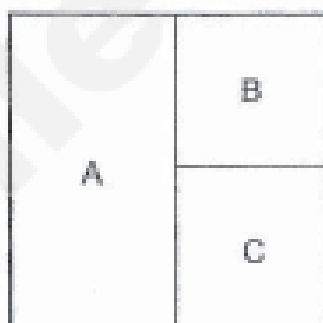
Shapes A, B and C are rectangles and they are not drawn to scale.

Complete the table below by putting a tick (✓) in the box that best describe the shapes given.   [3m]

Properties	True	False	Not possible to tell
Shapes A, B and C each have 2 pairs of parallel lines			
Shapes A, B and C each have 4 right angles			
All sides of Shape B are equal			

15

43. The table below shows the prices of movie tickets in a cinema.

		Type of Cinema	Monday to Thursday	Friday to Sunday
Ticket Prices	Adult	Normal	$9	$13.50
		Gold Class	$29.50	$42.00
	Children	Normal	$5	$5
		Gold Class	$8.50	$14.50

Two children went to watch a movie at the Gold Class cinema. How much more would the movie tickets cost if they watched the movie on a Saturday than on a Tuesday?

Ans: _____ [3m]

16

44. Ahmad, Beatrice and Caili had 2415 cookies at first. After Caili gave away 165 cookies, she had twice as many cookies as Beatrice. Ahmad then gave 290 cookies to Beatrice and Caili had twice as many cookies as him. How many cookies did Beatrice have at first?

Ans: _____ [4m]

45. Woody had some red paint and yellow paint. After buying another 37.84 ℓ of red paint, he had 9 times as much red paint as yellow paint. If he had 10.09 ℓ of yellow paint, how much red paint did he have at first?

Ans: _____ [3m]

46. The figure below is made up of 3 squares, A, B and C. The length of one side of square A is twice the length of one side of square B. The length of one side of square B is twice the length of one side of square C. If the length of square B is 16 cm, find the area of the **shaded** parts of the figure.
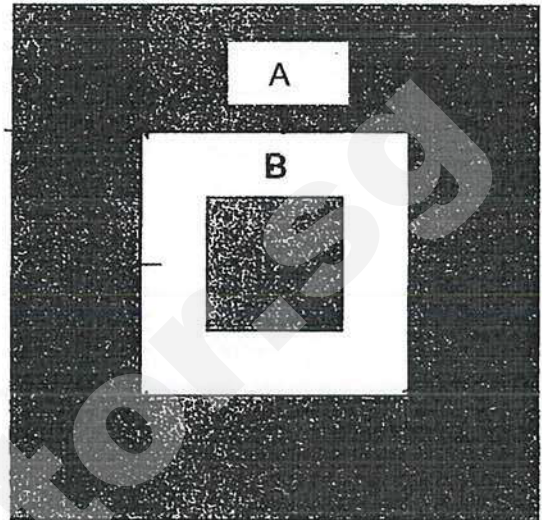
Ans: _____ [4m]

End of paper ☺

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : NAN HUA PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESSMENT 2

SECTION A

Q1 2

Q2 4

Q3 4

Q4 1

Q5 3

Q6 3

Q7 2

Q8 3

Q9 1

Q10 4

Q11 3

Q12 2

Q13 1

Q14 2

Q15 2

Q16 1

Q17 4

Q18 3

Q19 4

Q20 3

Q21 62900

Q22 53543

Q23 8299

Q24 $\frac{1}{2}$ OR $\frac{2}{4}$

Q25 $\frac{5}{6}$, $\frac{7}{12}$, $\frac{1}{3}$

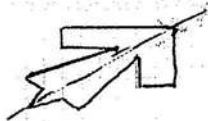Q26 $\frac{3}{7}$ AND $\frac{5}{12}$
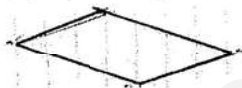
Q27 $\frac{6}{10}$

Q28 63.52

Q29 0.085, $\frac{4}{5}$, 0.805

Q30 $5.20

Q31 42cm

Q32

Q33

Q34 22.56 km

Q35 11

Q36 1100 to 1300

Q37 6 hours

Q38 40ℓ

Q39 137°

Q40

2

Q41 $1\frac{7}{20}$ m

Q42

True	False	Not possible to tell
✓		
✓		
		✓

Q43 $12

Q44 490 cookies

Q45 52.97ℓ

Q46 832cm^2

3
END.

NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL ASSESSMENT
2019

PRIMARY 4

MATHEMATICS
(BOOKLET A)

Total Duration for Booklets A and B: 1 hour 45 minutes

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.

Name: _____ .(   )

Class: Primary 4 (   )

Questions **1** 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.   (30 marks)

1.   Fifty-four thousand and seventy-two in figures is _____.

   (1)   54 720

   (2)   54 702

   (3)   54 072

   (4)   5472

2.   Which of the following numbers when rounded to the nearest ten becomes 61 500?

   (1)   61 444

   (2)   61 496

   (3)   61 506

   (4)   61 554

3.   Which of the following is a multiple of both 4 and 5?

   (1)   9

   (2)   24

   (3)   35

   (4)   40

1

4. How many one-thirds are there in 4 wholes?

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

(2) $\dfrac{4}{3}$

(3) 3

(4) 12

5. In which of the following numbers does the digit 5 stand for 5 tenths?

(1) 13.25

(2) 35.68

(3) 41.52

(4) 57.94

6. In the figure below, which angle is smaller than a right angle?

(1) ∠a

(2) ∠b

(3) ∠c

(4) ∠d

2
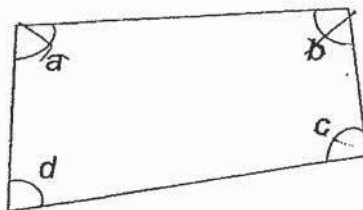
7. In a game show, Mei scored 4000 points. Ling scored 1002 fewer points than Mei. Ken scored 6 times as many points as Ling. How many points did Ken score?

(1) 17 448

(2) 17 988

(3) 18 012

(4) 30 012

8. Ahmad and Ravi had a total of 5656 picture cards at first. Ahmad had 7 times as many picture cards as Ravi. Ravi then lost 50 picture cards. How many picture cards did Ravi have in the end?

(1) 27

(2) 38

(3) 657

(4) 758

9. The mass of luggage P is 24.8 kg. Luggage P is 1.36 kg heavier than luggage Q. What is the mass of luggage Q?

(1) 11.20 kg

(2) 23.44 kg

(3) 23.56 kg

(4) 26.16 kg

3

10. Four boys took part in a race. The table below shows the time taken by the four boys.

Name	Time taken (s)
Albert	98
Bob	65
Colin	73
David	54

How much faster was the fastest runner in the race compared to Bob?

(1) 11 s

(2) 33 s

(3) 54 s

(4) 98 s

11. The perimeter of a rectangular cardboard is 160 cm. The length of the cardboard is 48 cm. Find its breadth.

48 cm

?
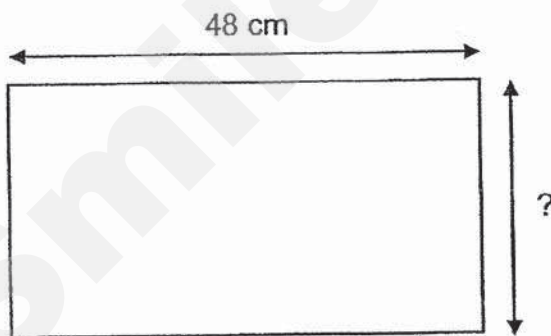
(1) 32 cm

(2) 64 cm

(3) 96 cm

(4) 112 cm

12. The table below shows the 3-h PSI (Pollutant Standards Index) readings from 8 a.m. to 12 noon on 22 February.

Time	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon
3-h PSI	35	55	50	45	40

Which one of the line graphs below best represents the information in the table?

(1)

(2)

(3)

(4)
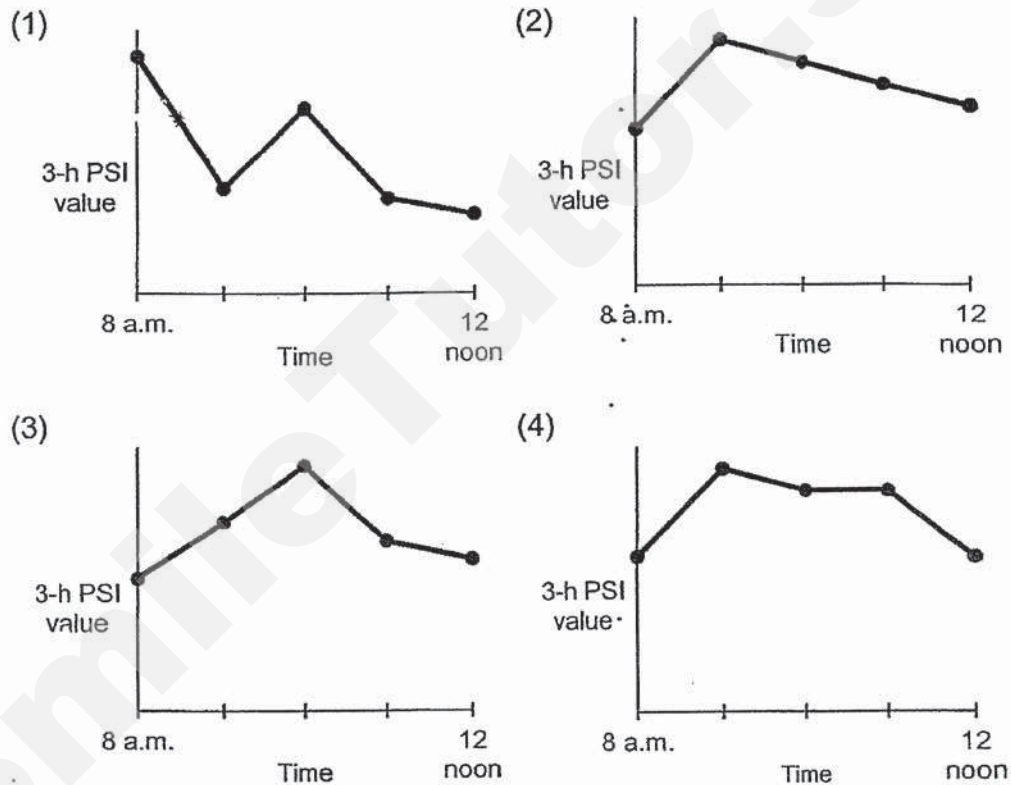
13. At a bakery, there were 525 blueberry cakes. The number of blueberry cakes was 3 times the number of peach cakes in the bakery. The number of lemon cakes was 758 more than the number of peach cakes. All the lemon cakes were packed into boxes for delivery. Each box could hold up to 5 lemon cakes. What was the smallest number of boxes needed to pack all the lemon cakes?

   (1) 186

   (2) 187

   (3) 466

   (4) 467

14. The table below shows the height of a plant in centimetres on the first day of each month from July to October.

Date	Height (cm)
1st July	2.2
1st August	6.8
1st September	11.0
1st October	21.1

In which month did the plant's height increase the most?

   (1) July

   (2) August

   (3) September

   (4) October

6

15. Khairi was given a monthly allowance of $200 at the beginning of each month. He spent the monthly allowance on food, transportation and donation.

The line graph below shows how much he had left at the end of each week in February.
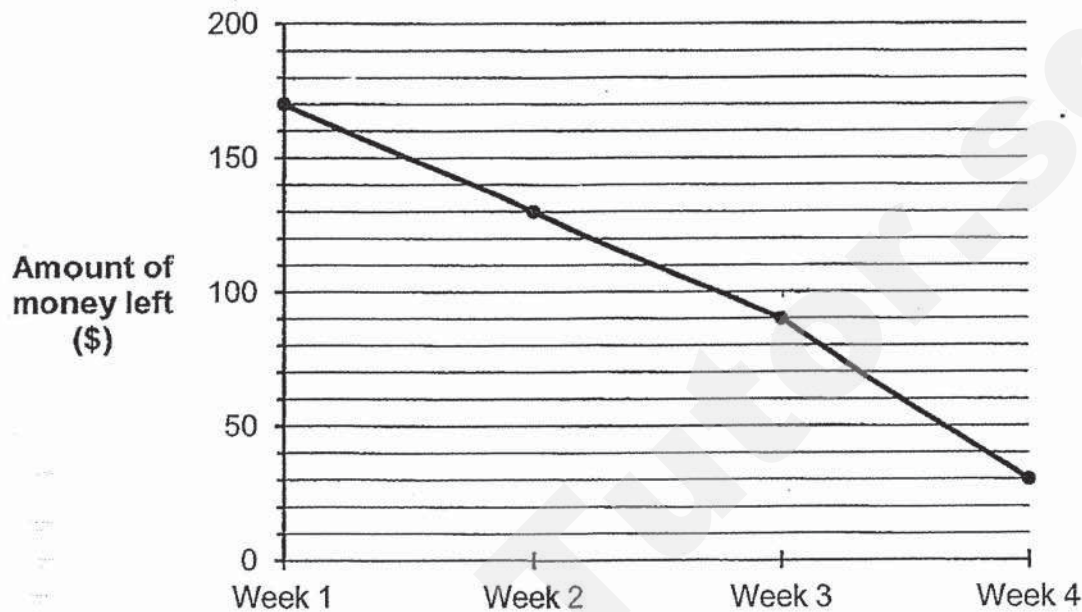
The table below shows the total amount of money Khairi spent on food and transportation from week 1 to week 4 in February.

Week	1	2	3	4
Total amount of money spent on food and transportation	$20	$30	?	$50

He spent the same amount of money on donation each week. What was the total amount of money he spent on food and transportation in week 3?

(1) $30

(2) $40

(3) $60

(4) $90

7

NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL ASSESSMENT
2019

PRIMARY 4

MATHEMATICS
(BOOKLET B)

Total Duration for Booklets A and B: 1 hour 45 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.

Name: _____ ( )

Class: Primary 4 ( )

Parent's Signature: _____

Booklet A	/ 30
Booklet B	/ 70
Total	/ 100

Any query on marks awarded should be raised by <u>1 November 2019</u>. 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 **35** 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. (40 marks)

16. What is the remainder when 2019 is divided by 8?

Ans: _____

17. In the figure below, square ABCD is made up of 9 unit squares. What fraction of square ABCD is shaded?
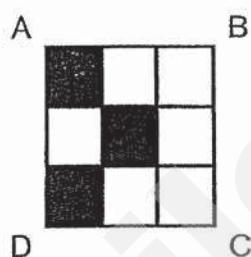
Ans: _____

18. $\frac{2}{3} + \frac{1}{6} =$ _____

Ans: _____

19. Write $\frac{15}{7}$ as a mixed number.

Ans: _____

1

20. Arrange the following numbers from the smallest to the greatest.

$$\frac{2}{5}, \quad 0.405, \quad 0.045$$

Ans: _____ , _____ , _____
(smallest)   (greatest)

21. Write 7 thousandths as a decimal.

Ans: _____

22. Write the decimal represented by A.

4.6   4.7

A

Ans: _____

23. 4.8 − 0.37 = _____

Ans: _____

2

24.	Measure and write down the size of ∠x.

Ans: _____ °
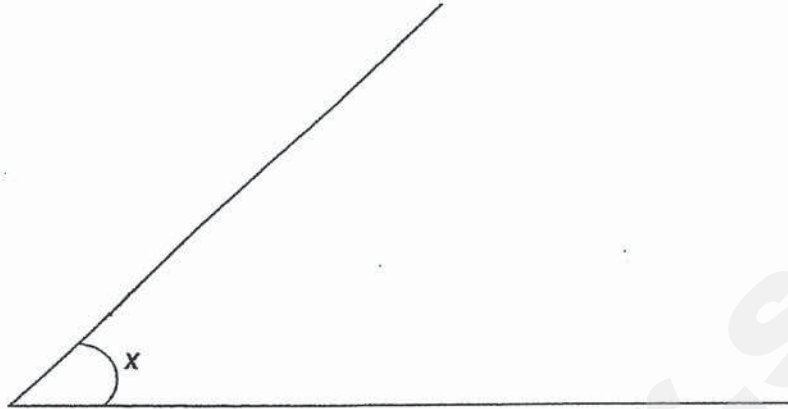
25.	The area of a square mat is 64 m². Find its length.
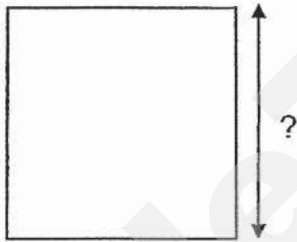
Ans: _____ m

26.	In the square grid below, line JK and five points are given. One of the five given points is point L. ∠JKL is greater than 45° but smaller than 90°. Draw line KL to complete ∠JKL.

3
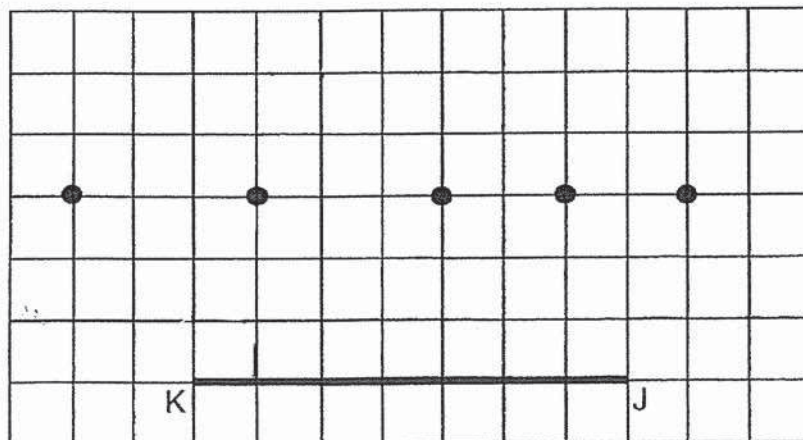
27. It is 8.30 a.m. now. What time will it be after the minute hand makes a three-quarter turn clockwise?
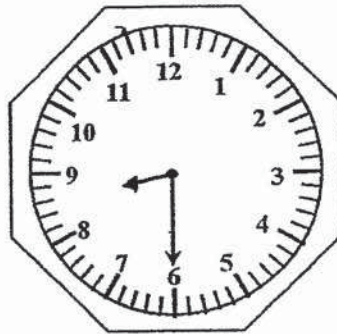
Ans: _____ a.m.

---

28. Sharon and Euan are standing in the middle of a town. Sharon is facing the MRT station and Euan is facing west. Sharon makes a $\frac{1}{2}$ turn. How many degrees in the anti-clockwise direction must Euan turn in order to face the same place as Sharon?

Ans: _____ °

4
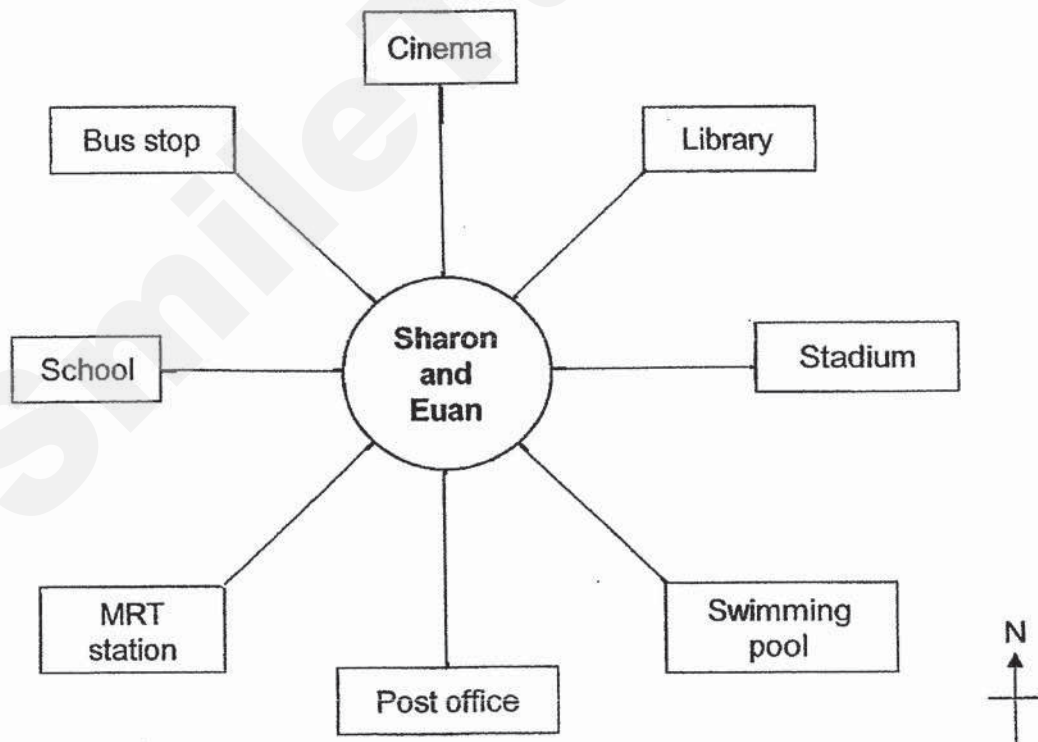
29.   In the figure below, EFGH is a rectangle.
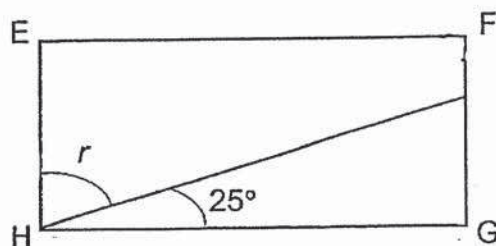
Each statement below is either true, false or not possible to tell from the information given. For each statement, put a (✓) in the correct column.

Statement	True	False	Not possible to tell
∠r = 75°			
The total length of EF and FG is equal to the total length of HG and EH.			

30.)   In the square grid below, line AB forms one side of square ABCD.

(a) Complete the drawing of square ABCD and

(b) using the same line CD, draw a rectangle CDEF where line CD forms one side of rectangle CDEF and the length of line BCF is 9 units.

1 unit

1 unit

5
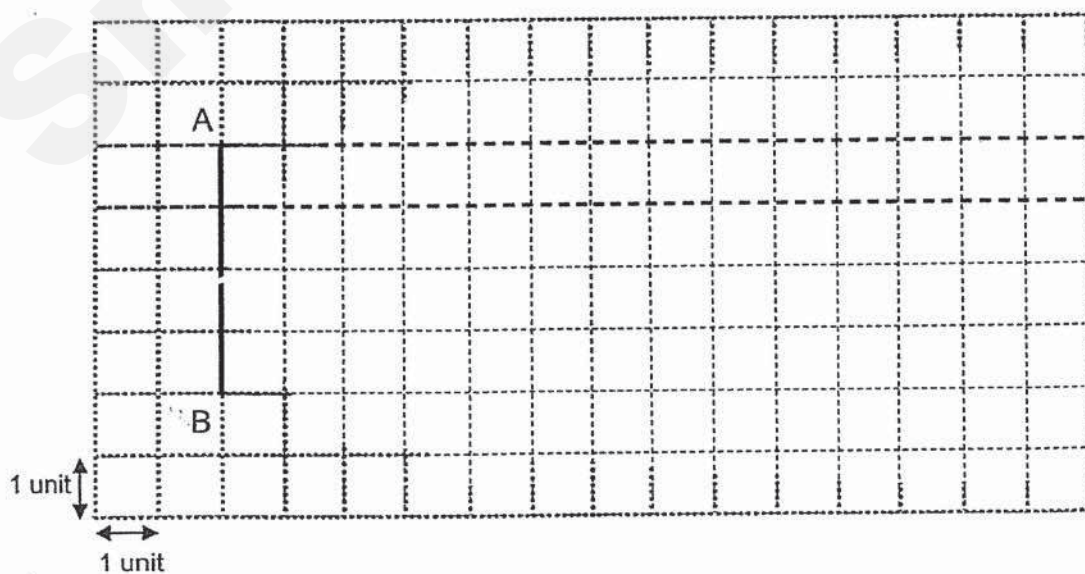
31. Complete the symmetric figure below using line PQ as the line of symmetry.
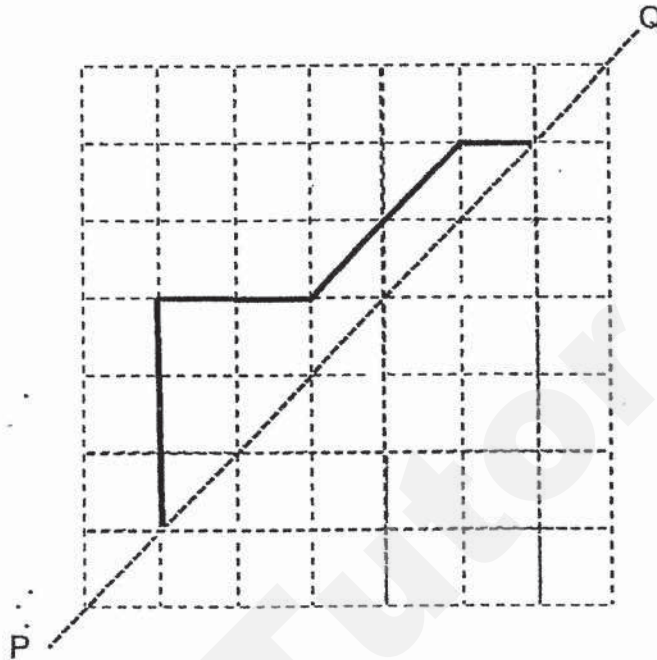
32. Mdm Rosie drank $\frac{2}{5}$ ℓ of iced lemon tea. Mrs Lee drank $\frac{1}{4}$ ℓ more iced lemon tea than Mdm Rosie. How much iced lemon tea did both of them drink altogether?

Ans: _____ ℓ

33. A tank was completely filled with water at 7 a.m. Water flowed out of the tank from 7 a.m. to 11 a.m.

The line graph below shows the volume of water in the tank at each 1-hour interval from 7 a.m. to 11 a.m.
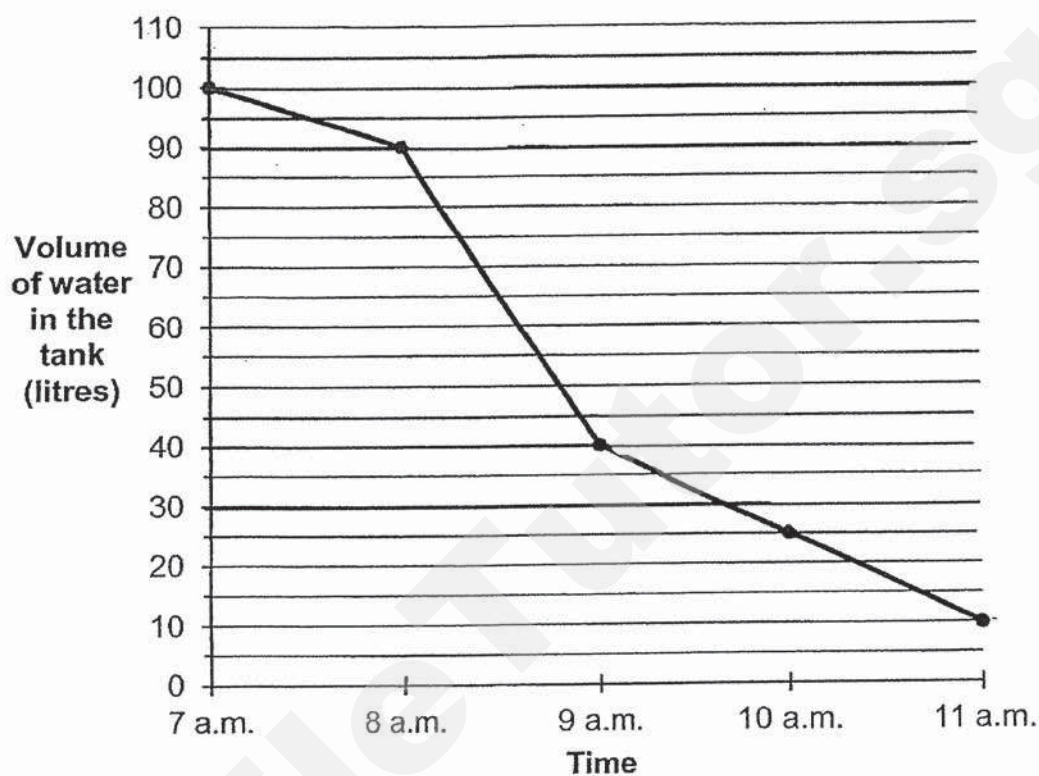
At what time was $\frac{1}{4}$ of the tank filled with water?.

Ans: _____ a.m.

34. At first, there were some beads in a container. Aishah removed 258 beads from the container. Bala removed 10 times as many beads as Aishah from the container. There were 5788 beads in the container in the end. How many beads were there in the container at first?

Ans: _____

35. The figure below is made up of 4 identical rectangles. Find the perimeter of the figure.

10 cm

2 cm
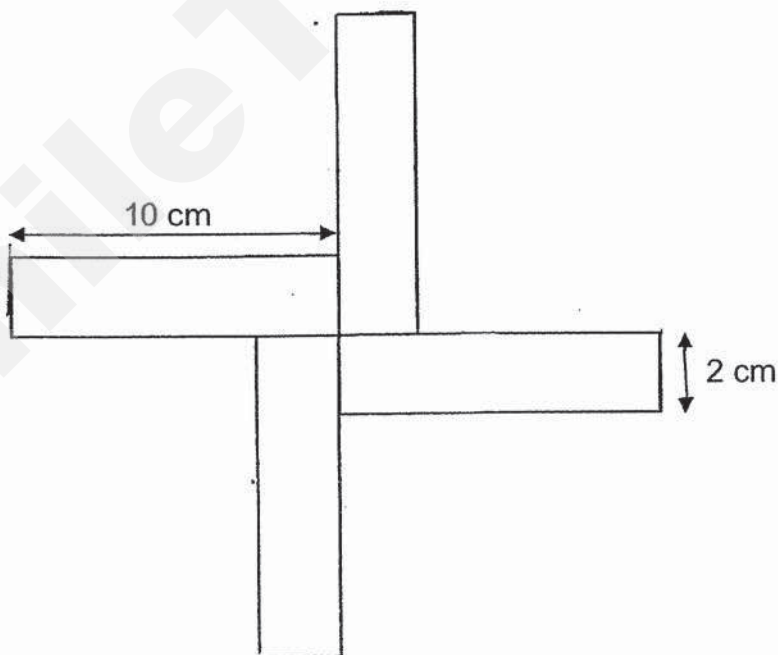
Ans: _____ cm

For questions **36** to **43**, 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. (30 marks)

36. Laura had 1 m of wire. She gave 0.64 m of the wire to Trevor and the remaining wire to Kathy. Trevor used the wire he received to form a square, with no leftover. Kathy used the wire she received to form a triangle of equal sides, with no leftover. What was the difference in length between one side of the square and one side of the triangle?
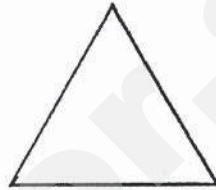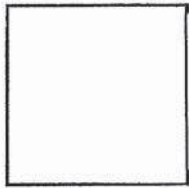
Ans: _____ [3]

37. Mavis started cycling at 08 15. Siti started cycling 10 minutes later but stopped cycling 10 minutes earlier than Mavis. Mavis stopped cycling at 10 20. How long did Siti cycle?

Ans: _____ [3]

9

38. The measurements of a plot of land are given below.
(All sides of the plot of land meet at right angles.)
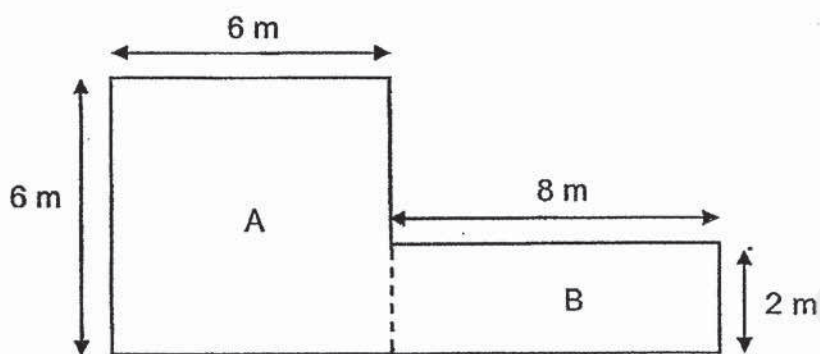
(a) What is the area of the plot of land?

(b) Each square metre of land costs $85. How much does the plot of Land cost?

Ans: (a) _____ [2]

(b) _____ [2]

39. Mr Yap sold chicken sandwiches and tuna sandwiches from Monday to Thursday.

The table below shows the number of chicken sandwiches and tuna sandwiches sold in a certain week.

Day	Chicken Sandwich		Tuna Sandwich	
	Number sold	Amount collected	Number sold	Amount collected
Monday	9	$27	45	$90
Tuesday	30	$90	25	$50
Wednesday	50	$150	60	$120
Thursday	12	$36	10	$20

(a) Each chicken sandwich was sold at the same price. How much did Mr Yap sell one chicken sandwich for?

(b) How much more did he collect from the sales of chicken sandwiches than tuna sandwiches on Thursday?

Ans: (a) _____ [2]

(b) _____ [2]

40. Mr Alkaff and Mrs Rouge bought toothbrushes at the prices shown below.

SPECIAL OFFER ON
TOOTHBRUSHES!!

HURRY!
While stocks
last!

Oral Z
2 for $5.00

Darvey
3 for $4.55

(a) Mr Alkaff bought 6 Oral Z and 6 Darvey toothbrushes. How much did he pay in all?

(b) Mrs Rouge bought an equal number of Oral Z and Darvey toothbrushes. She paid $48.20 in total. How many toothbrushes did she buy altogether?

Ans: (a) _____ [2]

(b) _____ [2]

41. Josephine and Lin had 188 muffins altogether. Josephine and Balakrisnan had 548 muffins altogether. Balakrisnan had 4 times as many muffins as Lin. How many muffins did Josephine have?

Ans: _____ [4]

42. Amelia baked some cookies for her family. She gave $\frac{1}{4}$ of the cookies to her brother, $\frac{3}{8}$ of the cookies to her sister and kept the rest in a jar. She kept 144 cookies in the jar.

(a) What fraction of the cookies were kept in the jar?

(b) How many more cookies did Amelia give to her sister than to her brother?

Ans: (a) _____ [2]

(b) _____ [2]

43. There are 40 children in a hall. In the hall, each boy is given 1 balloon and each girl is given 3 balloons. The children are given 74 balloons in total.

(a) How many girls are there in the hall?

(b) How many boys are there in the hall?

Ans: (a) _____ [3]

(b) _____ [1]

_____

End of Paper

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : NANYANG PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

SECTION A

Q1) 3

Q2) 2

Q3) 4

Q4) 4

Q5) 3

Q6) 4

Q7) 2

Q8) 3

Q9) 2

Q10) 1

Q11) 1

Q12) 2

Q13) 2

Q14) 3

Q15) 1

Q16) 3

Q17) $\frac{3}{9}$ or $\frac{1}{3}$

Q18) $\frac{5}{6}$

Q19) $2\frac{1}{7}$

Q20) $0.045, \frac{2}{5}, 0.405$

Q21) 0.007

Q22) 4.67

Q23) 4.43

Q24) 41 or 42 or 43

Q25) 8m

Q26)
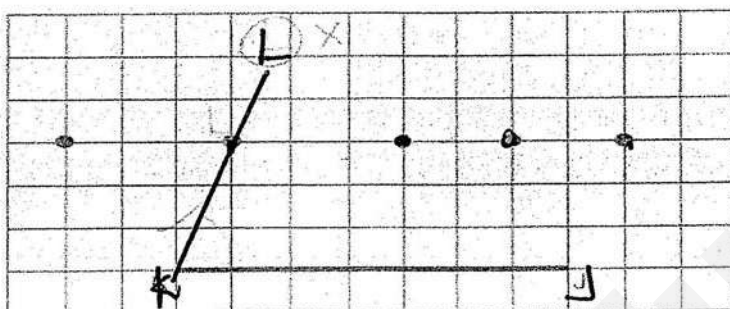
Q27) 9.15 a.m.

Q28) 225

Q29)

True	False	Not possible to tell
	✓	
✓		

Q30)

2

Q31)
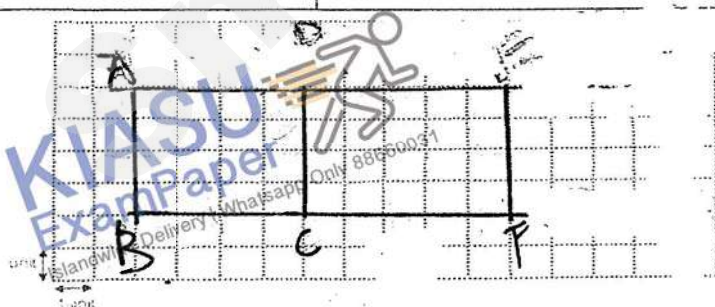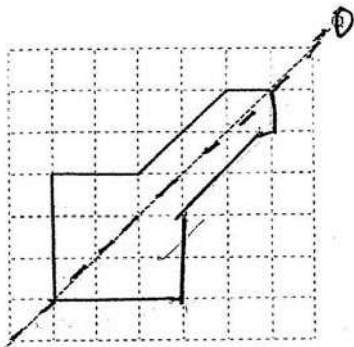
Q32) $\frac{21}{20}$ or $1\frac{1}{20}$

Q33) 10 a.m.

Q34) 8626

Q35) 80cm

Q36) 0.04m or 4cm

Q37) 1h 45min or 105min

Q38) (a)52m²

(b)$4420

Q39) (a)$3

(b)$16

Q40) (a)$24.10

(b)24

Q41) 68

Q42) (a) $\frac{3}{8}$

(b)48

Q43) (a)17

(b)23

3

END

PEI CHUN PUBLIC SCHOOL

SEMESTRAL ASSESSMENT 2, 2019

MATHEMATICS

PRIMARY 4

BOOKLET A

Additional materials: Optical Answer Sheet (OAS) **Total Time For Booklets A & B : 1 h 45 min**

Name : _____ . (   )

Class : Primary 4 / _____

Date : 30 October 2019

Maths Teacher: _____

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

Questions **1** 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.

(30 marks)

---

1. In the number 34 120, which digit is in the tens place?

    (1)   1

    (2)   2

    (3)   3

    (4)   4

2. 23 549 rounded to the nearest hundred is _____.

    (1)   23 500

    (2)   23 550

    (3)   23 600

    (4)   24 000

3. Which of the following fractions is in its simplest form?

    (1) $\dfrac{3}{10}$

    (2) $\dfrac{2}{4}$

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

    (4) $\dfrac{5}{15}$

4. Which one of the following has $\frac{1}{3}$ of the figure shaded?

(1)

(2)

(3)

(4)
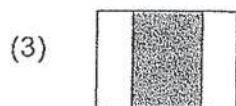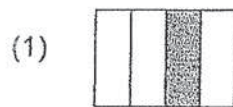
5. Find the sum of 0.5 and 93.27.

    (1)   92.77

    (2)   93.32

    (3)   93.77

    (4)   98.27

6. In the figure, which of the angles is a right angle?
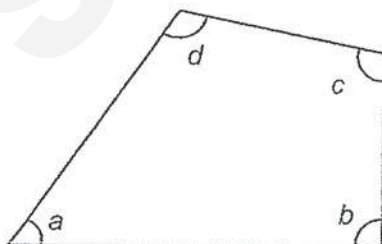
    (1)   ∠a

    (2)   ∠b

    (3)   ∠c

    (4)   ∠d

7. How much more water is required to make 2 ℓ?
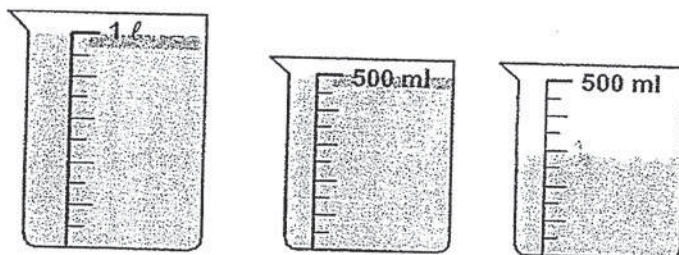
   (1)   20 ml

   (2)   40 ml

   (3)   200 ml

   (4)   400 ml

8. The table below shows the duration of the movies at a cinema.

Title of movie	Start time	Duration of movie
The Lady Bird	11 a.m.	1 h 45 min
Kathy the Caterpillar	11.30 a.m.	2 h 40 min
Hugo the Hippopotamus	11.35 a.m.	1 h 20 min
The Flying Elephant	12 noon	2 h

Siqin arrives at the cinema at 11.15 a.m. and her father will pick her up at 1 p.m.. Which movie should she pick to watch so that she is able to watch the show from the start to the end?

   (1)   The Lady Bird

   (2)   Kathy the Caterpillar

   (3)   Hugo the Hippopotamus

   (4)   The Flying Elephant

9. 2 identical rectangular blocks and 1 square block are placed on the scale as shown below. The mass of the square block is 500 g.
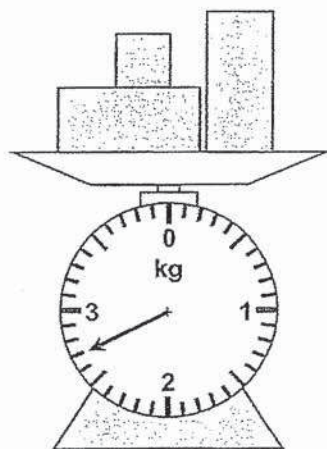
What is the mass of 1 rectangular block?

(1)   1100 g

(2)   1700 g

(3)   2200 g

(4)   2700 g

10. A group of 168 Primary Four pupils was surveyed to name their favourite sports. The table below shows their choices.

Types of sports	Number of pupils who chose the sports as their favourite
Badminton	56
Basketball	63
Table tennis	21
Volleyball	28

$\frac{3}{8}$ of the pupils chose one of the sports as their favourite. What is the sports?

(1)   Badminton

(2)   Basketball

(3)   Table tennis

(4)   Volleyball

11. The bar graph shows the amount of money saved from Monday to Friday.
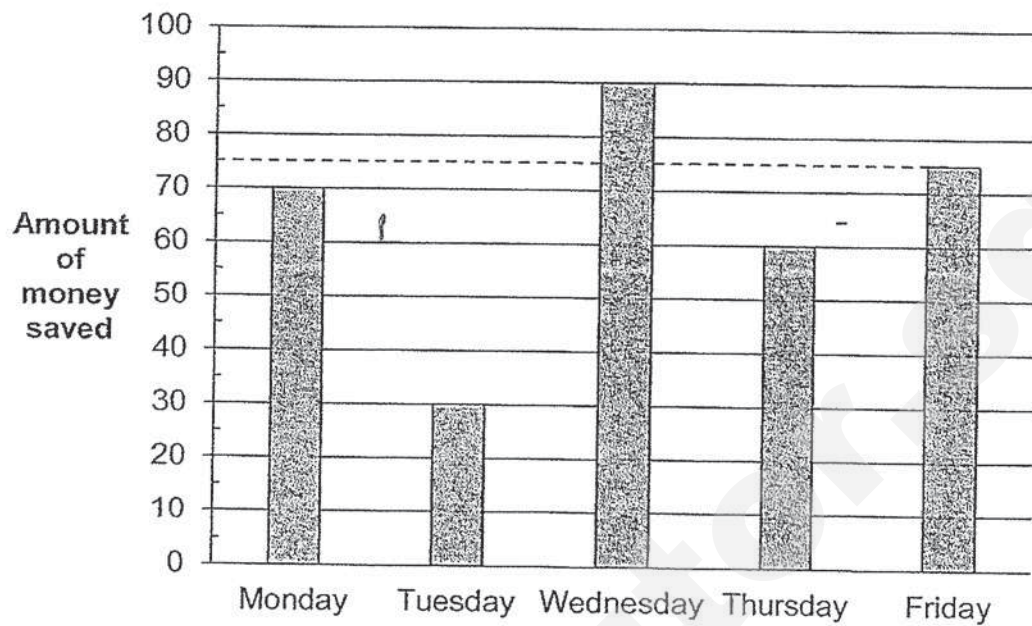
Which line graph correctly displays the data of the above bar graph?

(1)
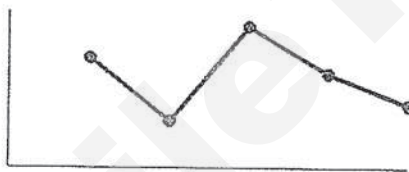
(2)

(3)

(4)

12. Which of the following letters are **not** symmetrical?

T A L E S

(1) T and L

(2) A and S

(3) E and S

(4) L and S

13. Jason had 46 more cards than Bala. After Jason bought another 26 cards, he had four times as many cards as Bala. How many cards did Bala have?

(1) 18

(2) 24

(3) 72

(4) 96

14. A red light flashes every 4 seconds. A blue light flashes every 6 seconds. Both lights start flashing at the same time. What is the shortest time taken for both lights to flash together again?

(1) 24 s

(2) 12 s

(3) 6 s

(4) 4 s

15. The figure below is made up of four identical squares. The length of each square is 4 cm.
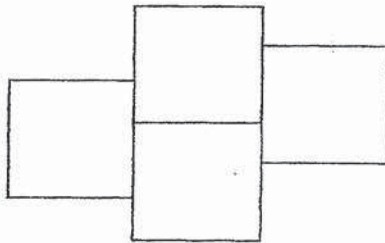
Find the perimeter of the figure.

(1) 32 cm

(2) 36 cm

(3) 40 cm

(4) 64 cm

PEI CHUN PUBLIC SCHOOL

SEMESTRAL ASSESSMENT 2, 2019

MATHEMATICS

PRIMARY 4

BOOKLET B

Total Time For Booklets A & B : 1 h 45 min

Name : _____ (   )

Class : Primary 4 / _____

Date : 30 October 2019

Maths Teacher: _____

Parent's Signature: _____

Booklet A	30
Booklet B	70
TOTAL	100

INSTRUCTIONS TO CANDIDATES

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.

Questions **16** to **35** 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. (40 marks)

16. Write the missing number in the number pattern below.

    12 800 , 12 000 , 11 200 , 10 400 , _____ , 8 800

    Answer : _____

17. Write eleven thousand and eighty-four in figures.

    Answer : _____

18. Arrange the following numbers from the greatest to the smallest.

    289 , 928 , 982 , 298

    Answer : _____ , _____ , _____ , _____
    (greatest)   (smallest)

19. Which two of the fractions below are smaller than $\frac{1}{2}$?

    $\frac{2}{5}$, $\frac{2}{3}$, $\frac{2}{4}$, $\frac{4}{9}$

    Answer : _____ and _____

SCORE

20. What is the value of $\frac{5}{8} + \frac{1}{2}$?
Express your answer as a mixed number.

Answer : _____

21. Express $\frac{43}{1000}$ as a decimal.

Answer : _____

22. Arrange the following numbers from the smallest to the greatest.

$\frac{1}{5}$, 0.205 , 0.0205

Answer : _____ , _____ , _____
             (smallest)   (greatest)

23. Find the value of 4.78 x 6.

Answer : _____

SCORE

24. Measure and write down the size of angle x.
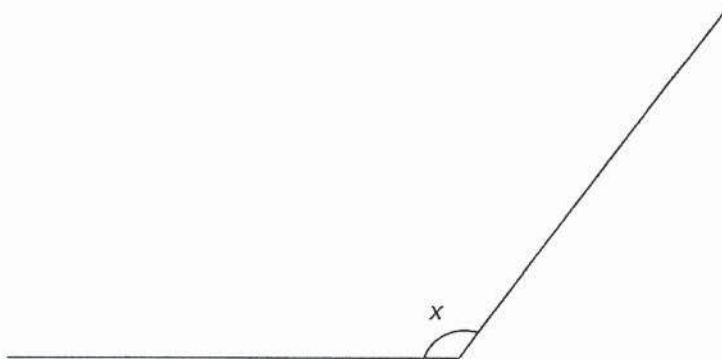
Answer : _____ °

25. There are 38 children in a class. 24 of them are boys. What fraction of the class are girls? Give your answer in the simplest form.

Answer : _____

26. The distance from Sham's home to school is 650 m. He makes a trip from home to school and back again to home from Monday to Friday in a week. What is the total distance that Sham travels in a week? Express your answer in kilometres and metres.

Answer : _____ km _____ m

SCORE

27. Mr Guo travelled by bus from Singapore to Malacca. He arrived in Malacca at 18 25. The journey took 5 h 50 min.
What time did he leave Singapore? Give your answer in the **24-hour clock**.

Answer : _____

___

28. Joanne was playing a ball game with 8 of her friends. She stood in the middle and faced one of her friends. After turning 225° in an anti-clockwise direction, she was facing Friend E. Which friend was she facing at first?
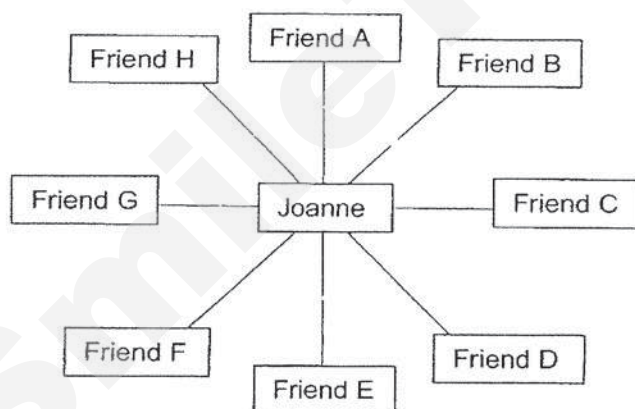
Answer : _____

SCORE ☐

29. Complete the following symmetric figure with line AB as the line of symmetry.
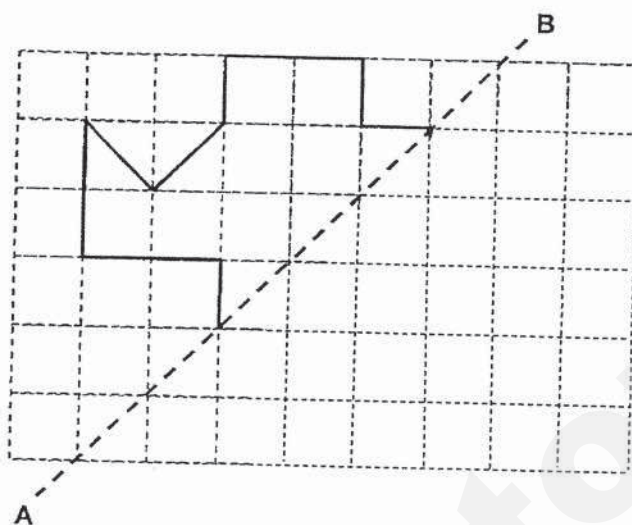
30. In the square grid below, draw a square such that ST is one side of the square.

SCORE
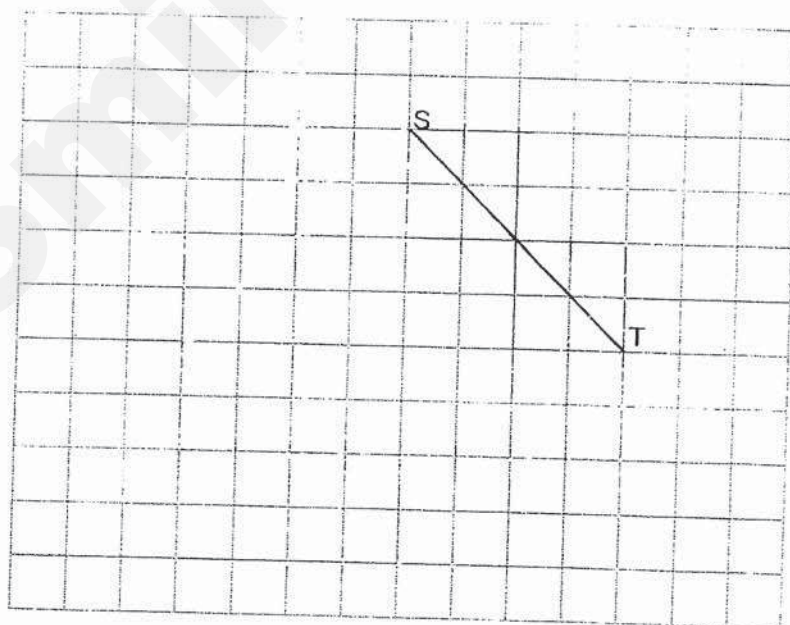
The line graph below shows the number of buns sold in a week.
Use the graph below to answer questions 31 and 32.
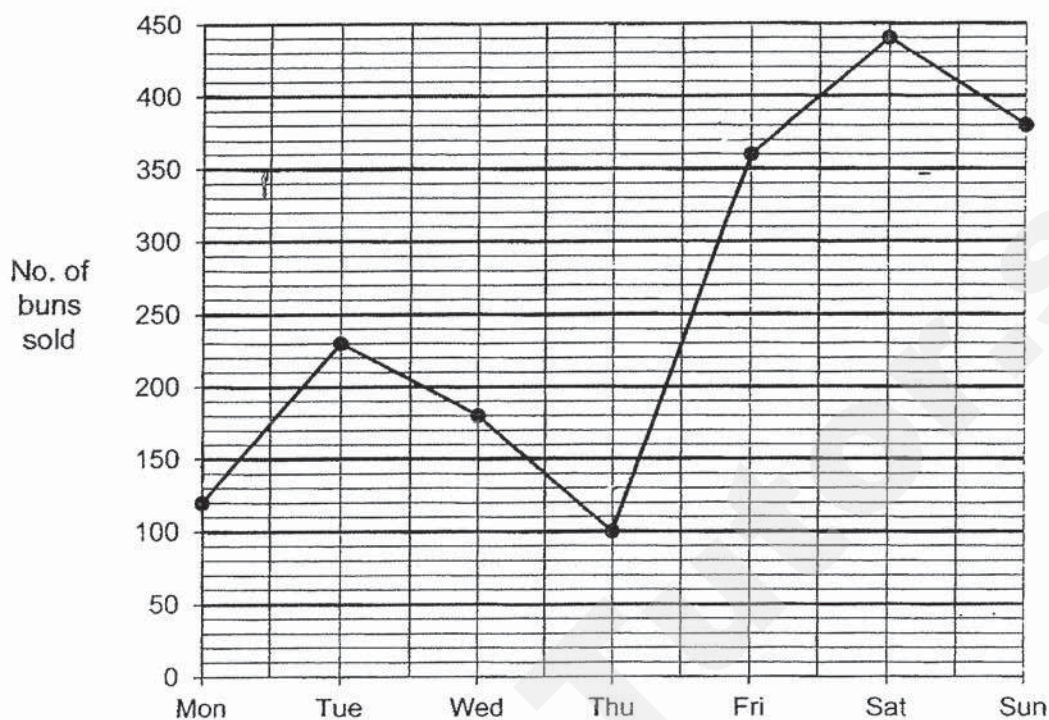
31. How many more buns were sold on Saturday than on Thursday?

Answer : _____

32. On which day was the number of buns sold three times as many as the number of buns sold on Monday? .

Answer : _____

SCORE

33. A piece of rectangular paper ABCD was folded as shown below.
∠FCB = 58°.

Before folding   After folding
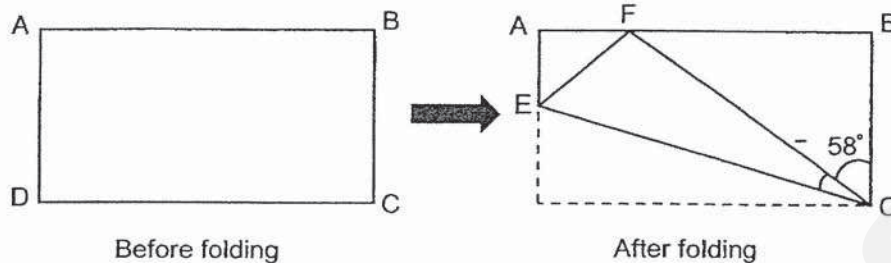
Find ∠ECF.

Answer : _____ °

---

34. The figure below is made up of 4 identical rectangles. Find the area of 1 rectangle.

42 cm

Answer : _____ cm²

SCORE
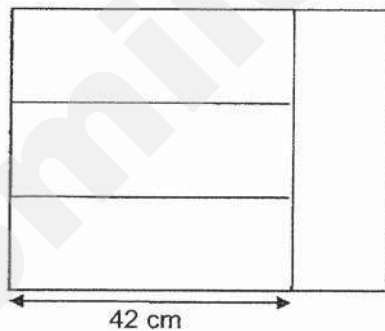
35. Elaine used some number balls to arrange a pattern as shown below.

4 3 4 2 1 2 4 3 4 2 1 2 4 3 4 2 1 2 4 3 ... ? ...

1st 2nd   98th
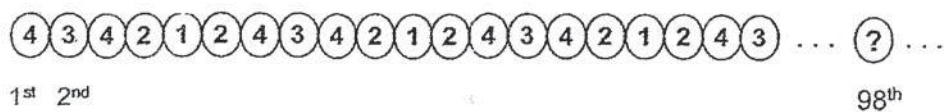
Which number ball was the 98th ball?

Answer : _____

For questions **36** to **43**, 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.   (30 marks)

36.   In a box of fruits, $\dfrac{4}{7}$ of them were apples and the rest were oranges. There were 27 oranges. How many fruits were there in the box?

Answer : _____ [3]

SCORE

37. Siti bought a television and 2 speakers. The television cost $1902. It cost 6 times as much as 1 speaker.

    (a) What was the cost of 1 speaker?

    (b) How much did Siti pay altogether?

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

38. Peter bought a bag of potatoes. He gave the cashier $50 and received $43.85 as change.

   (a) What was the cost of the bag of potatoes?

   (b) Each kilogram of potato cost $3. What was the mass of the bag of potatoes? Leave your answer rounded to the nearest whole number.

   Answer : (a) _____ [2]

   (b) _____ [2]

SCORE

39.   Ali has a jug containing 1400 ml of water. He can fill exactly 4 bottles or
      5 glasses and 1 bottle with the water. When filled, each bottle and each glass is filled
      to the full.
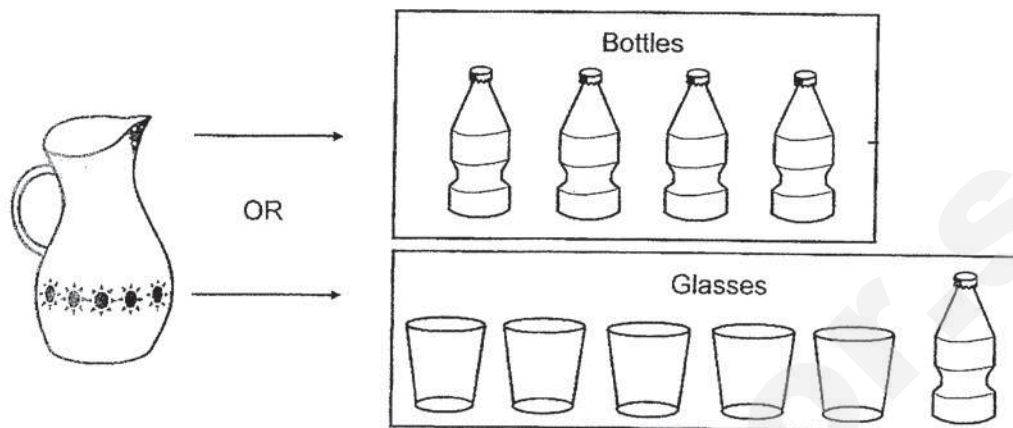
(a)   What is the capacity of each bottle?

(b)   What is the capacity of each glass?

Answer : (a) _____ [1]

(b) _____ [3]

SCORE

40. The table below shows the number of strawberry and chocolate cakes sold in a shop over 3 days.

Day	Number of cakes sold	
	Strawberry cakes	Chocolate cakes
Monday	10	13
Tuesday	8	14
Wednesday	2	4

(a) What was the total number of cakes sold over the 3 days?

(b) Each cake cost $6.20. How much money did the shop collect on Wednesday?

Answer : (a) _____ [2]

(b) _____

SCORE

41. Azli has a plot of land as shown in the figure below. He wants to build a fence around the plot of land.

(a) What is the total length of the fence required?

(b) What is the total area of the plot of land?

Answer : (a) _____ [2]

(b) _____ [2]

SCORE
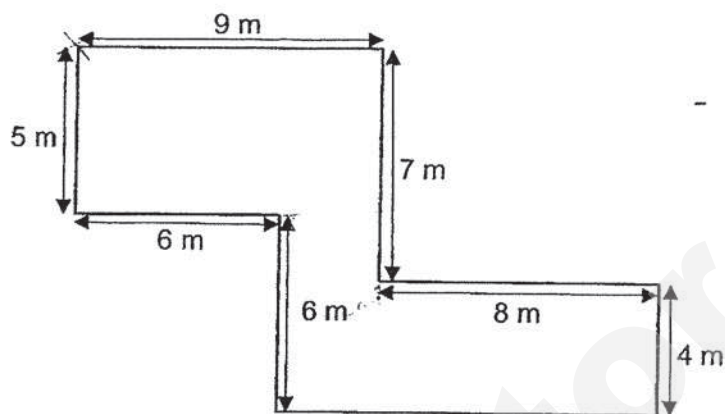
42. 110 teachers and students participated in a charity event in school and sold 430 cups of ice-cream altogether. Each teacher sold 5 cups of ice-cream while each student sold 3 cups of ice-cream. How many students participated in the charity event?

Answer : _____ [3]

SCORE

43. Jane bought 5 markers and 3 pens. Billy bought 3 markers and 5 pens. Jane paid $1.60 more than Billy. A pen cost $1.95.

(a) How much more did a marker cost than a pen?

(b) What was the cost of a marker?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

Set by : Mrs Bu Shin Yunn, Mr Nai Chiau Kwang

SCORE

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : PEI CHUN PUBLIC SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

BOOKLET A

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

BOOKLET B

Q16. 9600

Q17. 11084

Q18. 982, 928, 298, 289

Q19. $\frac{2}{5}$ and $\frac{4}{9}$

Q20. $1\frac{1}{8}$

Q21. 0.043

Q22. 0.0205, $\frac{1}{5}$, 0.205

Q23. 28.68

Q24. 126°

Q25. $\frac{7}{19}$

Q26. 6 km 500 m

Q27. 1235

Q28. Friend B

1

Q29.

Q30.

2
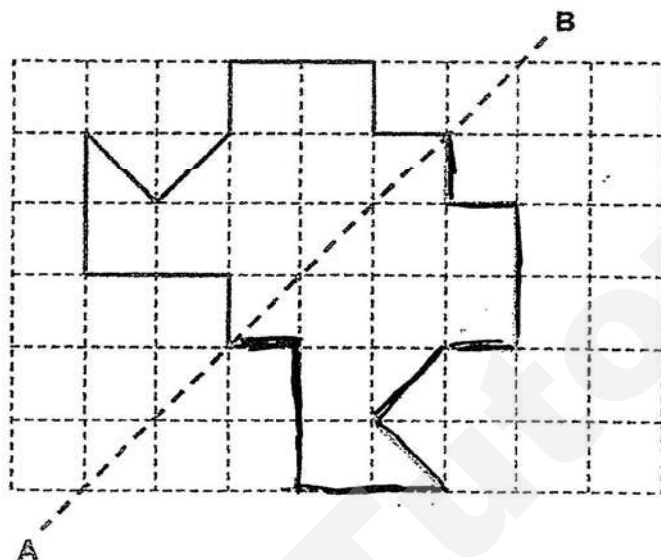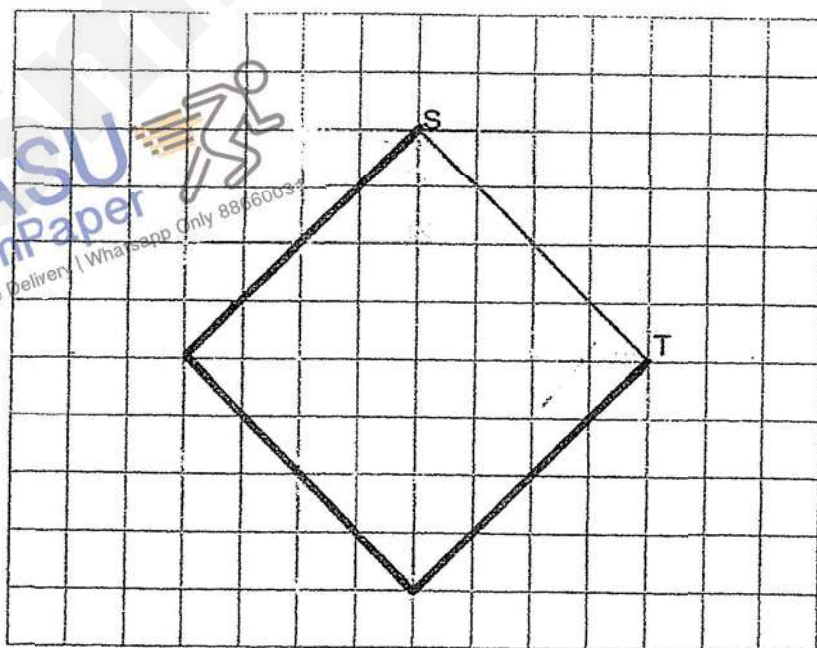
Q31. 340

Q32. Friday

Q33. 16°

Q34. 588 cm^2

Q35. 3

Q36. $27 \div 3 = 9$

$9 \times 7 = 63$

Q37. (a) $1902 \div 6 = \$317$

(b) $1902 + \$317 + \$317 = \$2536$

Q38. (a) $50 - \$43.85 = \$6.15$

(b) $6.15 \div \$3 = 2.05$kg

2.05kg ≈ 2kg

Q39. (a) $1400 \div 4 = 350ml$

(b) $1400 - 350 = 1050ml$

$1050 \div 5 = 210ml$

Q40. (a) $10 + 8 + 2 + 13 + 14 + 4 = 51$

(b) $2 + 4 = 6$

$6 \times \$6.20 = \$37.20$

Q41. (a) $9 + 7 + 8 + 4 + 11 + 6 + 6 + 5 = 56$m

(b) $9 \times 5 = 45$

$3 \times 6 = 18$

$8 \times 4 = 32$

$45 + 18 + 32 = 95$m^2

3

Q42. Assume all are students,

$$110 \times 3 = 330$$
$$430 - 330 = 100$$
$$5 - 3 = 2$$
$$100 \div 2 = 50 \, ?$$
$$110 - 50 = 60$$

Q43. (a) Difference between 1 pen and 1 marker $\rightarrow \$1.60 \div 2 = \$0.80$

(b) $\$1.95 + \$0.80 = \$2.75$

ZNP.

RED SWASTIKA SCHOOL

2019 SEMESTRAL ASSESSMENT 2

MATHEMATICS

Name : _____ (   )

Class : Primary 4 / _____

Date   : 25 Oct 2019

BOOKLET A

20 Questions
40 Marks
Duration of Paper : 1 hour 45 minutes

<u>Note:</u>

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 <u>1</u> to Page <u>6</u>
   (b) Questions <u>1</u> to <u>20</u>

Questions 1 to 20 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.

(40 marks)

1   In which of the following numbers does the digit 9 stand for 900?

   (1)   7809
   (2)   7980
   (3)   8790
   (4)   9780

2   Seventy-four thousand and fifty-two in figures is _____.

   (1)   74 520
   (2)   74 502
   (3)   74 052
   (4)   7452

3   How many one-sevenths are there in 2 wholes?

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

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

   (3)   7

   (4)   14

4   Find the value of $\frac{5}{8} - \frac{1}{4}$.

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

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

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

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

1

5   In the figure below, which angle is greater than a right angle?
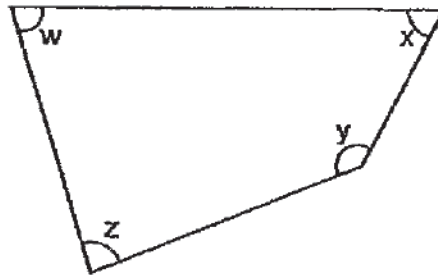
    (1) ∠w
    (2) ∠x
    (3) ∠y
    (4) ∠z

6   The digit 3 in 4.132 stands for 3 _____.

    (1) ones
    (2) tens
    (3) tenths
    (4) hundredths

7   Which of the following is a multiple of both 5 and 6?

    (1) 11
    (2) 20
    (3) 36
    (4) 60

8   Alice began her enrichment lesson at 15 45. She finished the lesson at 17 10. How long was her lesson?

    (1) 55 min
    (2) 75 min
    (3) 85 min
    (4) 165 min

9   A number when rounded to the nearest hundred is 60 000. What is the greatest possible value of that number?

    (1) 59 499
    (2) 59 999
    (3) 60 049
    (4) 60 099

The table below shows the number of students who borrowed books from the school library.

Number of books borrowed	1	2	3	4	5
Number of students	50	125	275	155	30

10   How many students borrowed more than 3 books?

(1)   185
(2)   275
(3)   430
(4)   460

11   The figure below is made up of a rectangle ABCD and a square CEFG. Find the length of DE.
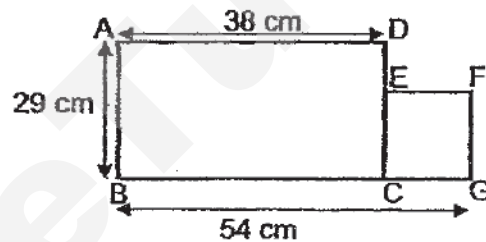
(1)   9 cm
(2)   13 cm
(3)   16 cm
(4)   22 cm

12   A rectangular piece of cardboard has a perimeter of 82 cm. What is the breadth of the piece of cardboard if its length is 22.5 cm?

(1)   18.5 cm
(2)   29.75 cm
(3)   37 cm
(4)   59.5 cm

13   What is the area of Square WXYZ given that its perimeter is 56 cm?

(1)   14 cm²
(2)   28 cm²
(3)   112 cm²
(4)   196 cm²

3
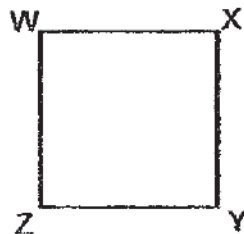
14   Which of the following has the same value as 65.07?

(1) $\dfrac{6507}{100}$

(2) $\dfrac{6507}{1000}$

(3)   6 + 5 + 7 tenths

(4)   65 + 0.7

15   What is the value when 40.17 is multiplied by 7? Round off your answer to the nearest tenth.

(1)   280.2
(2)   280.8
(3)   281.1
(4)   281.2

16   A New Year party started at 20 30 on Friday. The party lasted for 2 h 35 min. What time did the party end?

(1)   17 55
(2)   18 35
(3)   22 05
(4)   23 05

17   Which of the following figures has no line of symmetry?

A   B   C   D

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

4
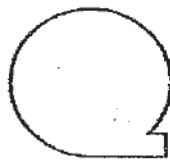
Use the following diagram to answer Questions 18 and 19.
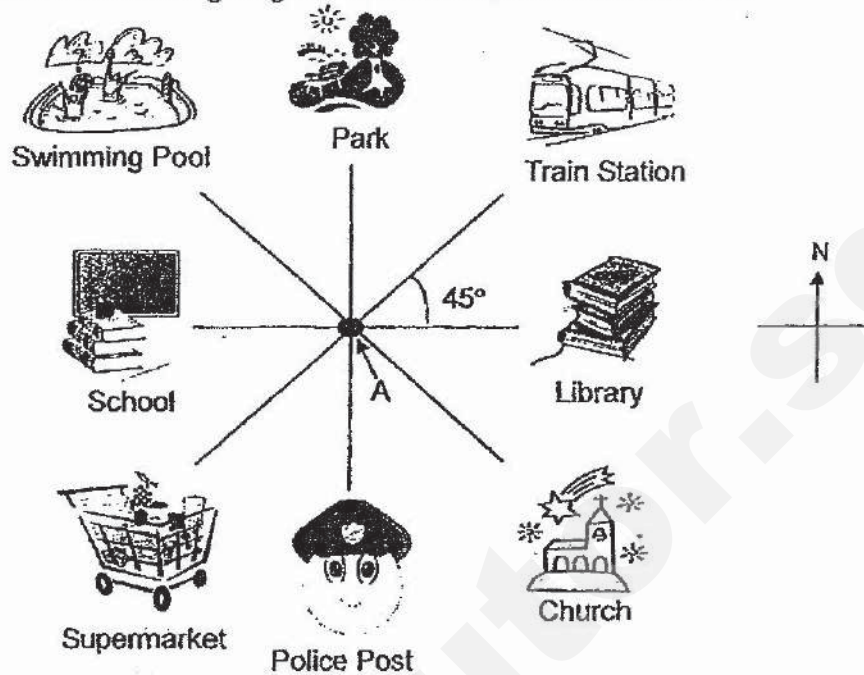
18   If Bryan is at Point A facing East and he turns 225° clockwise, where will he be facing?

   (1)   Church
   (2)   Train Station
   (3)   Supermarket
   (4)   Swimming Pool

19   Bryan is still at Point A but he is facing the police post now. He makes a 135° clockwise turn. Then he makes a _____ in the anticlockwise direction to face the train station.

   (1) $\frac{1}{4}$ -turn

   (2) $\frac{1}{2}$ -turn

   (3) $\frac{3}{4}$ -turn

   (4)   1 complete turn

5

20   Andrew had 25 more stickers than Brandon. Charles had 3 times
      as many stickers as Andrew. If the three of them had 245 stickers
      altogether, how many more stickers had Charles than Andrew?

      (1)   29
      (2)   54
      (3)   108
      (4)   162

6

RED SWASTIKA SCHOOL

2019 SEMESTRAL ASSESSMENT 2

MATHEMATICS

Name : _____ (   )

Class : Primary 4 / _____

Date : 25 Oct 2019

BOOKLET B

28 Questions
60 Marks

In this booklet, you should have the following:
(a) Page 7 to Page 17
(b) Questions 21 to 48

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Parent's Signature : _____

Questions 21 to 30 carry 1 mark each. Questions 31 to 40 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.

(30 marks)

21   What is the length of a square with an area of 81 cm²?

Ans: _____ cm

22   What is the perimeter of the figure below?
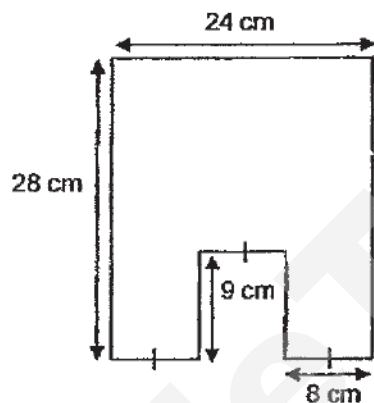
Ans: _____ cm

23   What is the missing number in the box?

```
        7 6 R 1
  ? ) 4 5 7
      4 2
        3 7
        3 6
          1
```

Ans: _____
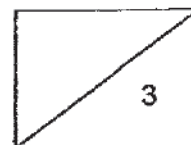
The line graph below shows the amount of money Mr Toh earned from selling fruits from April to September. Study the graph carefully and use it to answer Questions 24 to 27.
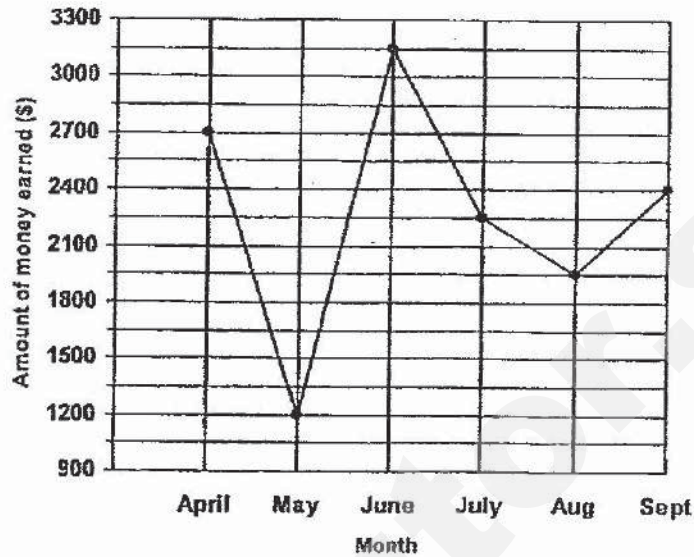
24 What was Mr Toh's earnings from April to July?

Ans: $_____

25 What was the difference in Mr Toh's earnings for June and August?

Ans: $_____

26 Mr Toh earned twice as much in one particular month than in another month. Which were the two months?

Ans: _____ and _____

27 If Mr Toh earned $6 700 from August to October, how much did he earn in the month of October?

Ans: $_____

4
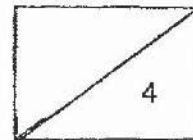
28   Look at the diagram below. Carol walked 1 step to the west, 2 steps to the south and 2 steps to the east. Who did she meet in the end?

1 step
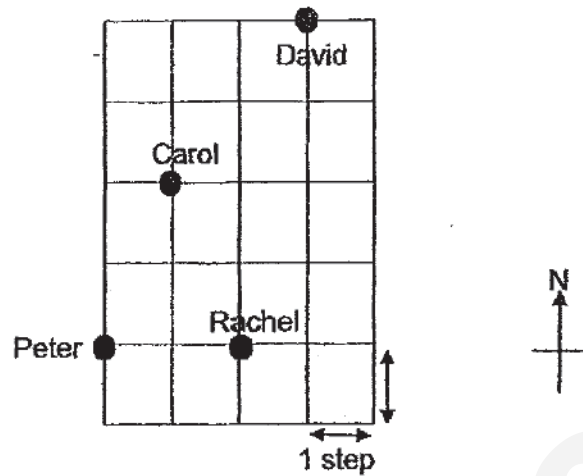
Ans:_____

29   Mr Tan drove from Singapore to Kuala Lumpur. After driving for 1 hour and 25 minutes, he stopped at Johor Bahru for lunch. He then continued driving for another 2 hours and 45 minutes to reach Kuala Lumpur. If he left Singapore at 0830 and reached Kuala Lumpur at 1305, how long did he take to have his lunch?

Ans:_____ min

30   The figure below is made up of a square and a rectangle. If the shaded area is 72 m², what is the length of the rectangle if its breadth is 9 m?
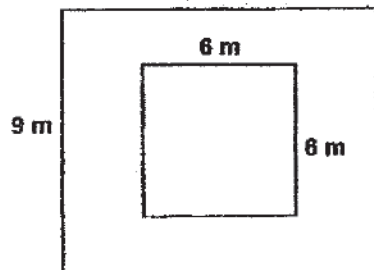
Ans:_____ m
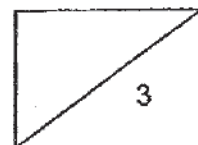
31 Write the missing number in the number pattern below.

13 000, 12 200, 11 400, 10 600, _____, 9000

Ans: _____

32 Find the product of 1390 and 8.

Ans: _____

33 Some factors of 18 are 1, 2, 3 and 18. What are the other two factors of 18?

Ans: _____ and _____

34 In the figure below, rectangle ABCD is made up of 8 unit squares. What fraction of rectangle ABCD is shaded?
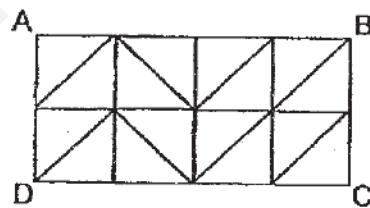
Ans: _____
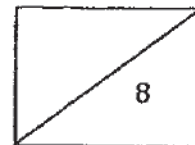
35 What is the value of $\frac{7}{9} + \frac{2}{3}$? Express your answer as a mixed number.

Ans: _____

36 In the figure, ABCD is a rectangle. Find the value of ∠x.
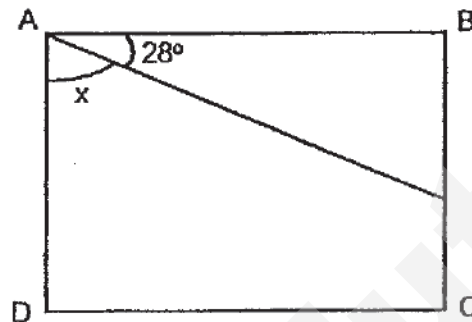
Ans: _____ °

37 Write 5 thousandths as a decimal.

Ans: _____

38 Arrange the following numbers from the smallest to the greatest.

$$\frac{3}{5}, \quad 0.706, \quad 0.076$$

Ans: _____, _____, _____
      (smallest)   (greatest)

11
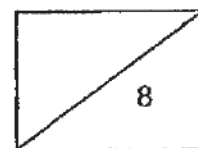
39 $8.5 - 0.76 =$ _____

Ans: _____

---

40   Shade three more squares to complete the figure which has AB as a
line of symmetry.

A

B
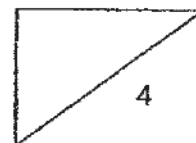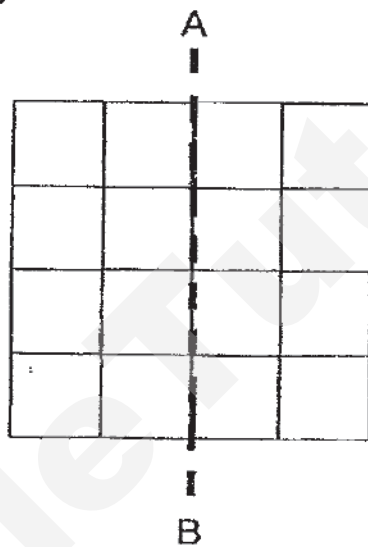
Questions 41 to 48 carry 3 or 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided.
(30 marks)

41   The line graph below shows the number of teddy bears sold in a shop from July to December.
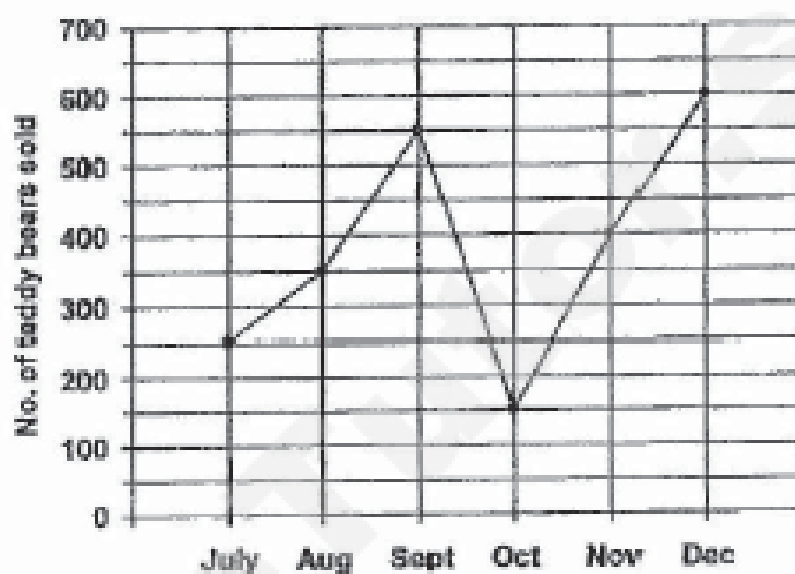
(a)   How many more teddy bears were sold in December than in October?

(b)   Given that the price of each teddy bear is $6, what would be the total amount collected in the months from July to September?

Ans: (a) _____ [2]

(b) _____ [2]
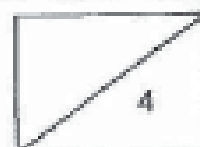
42 Muthu wants to buy 9 dinosaurs which are selling at the same price. However, he needs another $12.40 in order to buy them. He then decides to buy 5 dinosaurs instead and has $23.20 left. What is the cost of each dinosaur?

Ans:_____ [4]

43 The mass of a box containing 8 bottles of honey was 41.65 kg. When 2 bottles of honey were removed from the box, the mass became 32.15 kg. Find the mass of the empty box in kilograms. (Round off your answer to 1 decimal place.)

Ans:_____ [4]

8
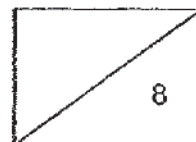
44   After buying a present with $\frac{3}{7}$ of her money, Amy had $260 left.
      How much money did she have at first?

                                  Ans: _____ [3]

_____

45   Mrs Soh's monthly salary is $5589. She gives $\frac{1}{9}$ of it to her mother

      and spends $\frac{2}{3}$ of it on daily expenses. If she saves the rest of her

      salary, how much does she save in a month?

                                  Ans: _____ [4]

_____

                                                          7
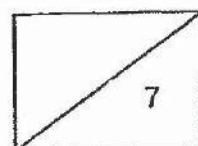
46 The total number of people in an auditorium was 6074. There were thrice as many women as men. There were 1289 more children than men. How many women were there in the auditorium?

Ans: _____ [4]

47 Ali had 4 times as many marbles as Jun Hao. After Ali gave 54 marbles to Jun Hao, they had the same number of marbles. How many marbles did each of them have now?

Ans: _____ [4]

8
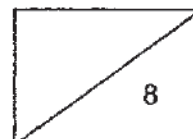
48   Lisa formed a figure with 3 small squares and 1 big square. If the perimeter of the shaded part of the figure is 16 cm, find the area of the big square.
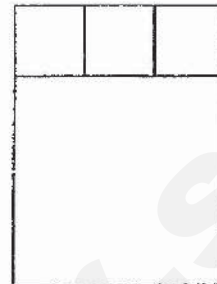
Ans: _____ [3]

End of Paper
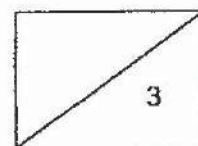
SCHOOL : RED SWASTIKA PRIMARY SCHOOL

LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2019 SA2
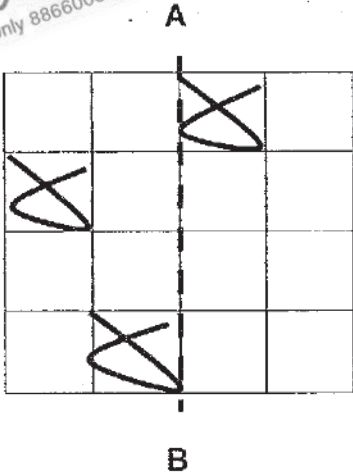
BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	4	4	3	4	4	3	3	1
Q 11	Q12	Q13	Q14	Q15	Q 16	Q17	Q18	Q19	Q20
2	1	4	1	4	4	2	4	3	3

Q21)	9cm
Q22)	122 cm
Q23)	6
Q24)	2700 + 1200 = 3900 3900 + 3150 = 7050 7050 + 2250 = $9300
Q25)	3150 − 1950 = $1200
Q26)	September and May
Q27)	$2350
Q28)	Rachel
Q29)	25 min

Q30)	6 x 6 = 36
	72 + 36 = 108
	108 ÷ 9 = 12 m
Q31)	9800
Q32)	11120
Q33)	6 and 9
Q34)	$\frac{1}{4}$
Q35)	$1\frac{4}{9}$
Q36)	90° − 28° = 62°
Q37)	0.005
Q38)	0.076 , $\frac{3}{5}$, 0.700
Q39)	8.5 − 0.76 = 7.74
Q40)	

Q41)	a)600 − 150 = 450
	b)250 + 350 = 600
	600 + 550 = 1150
	1150 x 6 = 6900
Q42)	23.20 + 12.40 = 35.60
	35.60 ÷ 4 = $8.90
Q43)	41.65 − 32.15 = 9.50
	9.50 x 4 = 38.00
	41.65 − 38.00 = 3.65 ≈ 3.7kg
Q44)	7 − 3 = 4
	260 ÷ 4 = 65
	65 x 7 = $455
Q45)	$\frac{2}{3} \times 3 = \frac{6}{9}$
	5589 ÷ 9 = 621
	5589 − 621 = 4968
	521 x 6 = 3726
	4968 − 3726 = $1242
Q46)	6074 − 1289 = 4785
	4785 ÷ 5 = 957
	957 x 3 = 2871
Q47)	2 x 54 = 108
	108 ÷ 3 = 36
	36 + 54 = 90
Q48)	16 ÷ 8 = 2
	2 x 3 = 6
	6 x 6 = 36cm²

RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2
MATHEMATICS
PRIMARY 4

Name: _____ (   )

Math Teacher: _____   Form Class: P4 _____

Date: 24 Oct 2019   Duration: 1 h 45 min

Your Score	
Section A (Out of 25 marks)	
Section B (Out of 40 marks)	
Section C (Out of 35 marks)	
Overall (Out of 100 marks)	

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.

Questions 1 to 5 carry 1 mark each. Questions 6 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.

1. Which of the following is a multiple of 6?

   (1) 32
   (2) 24
   (3) 3
   (4) 16

2. $80\,000 + 7000 + 300 + 2 = $ _____

   (1) 87 320
   (2) 87 302
   (3) 87 032
   (4) 80 732

3. 1 min 52 s = _____

   (1) 53 s
   (2) 62 s
   (3) 112 s
   (4) 152 s

4. What is the length of each side of the square?

   36 cm²

   ?
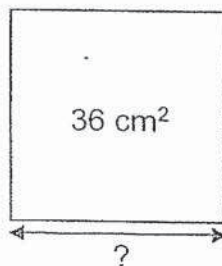
   (1) 6 cm
   (2) 9 cm
   (3) 18 cm
   (4) 24 cm

5. The table shows the number of questions answered correctly by the pupils in a Science pop quiz.

Number of correct questions	Number of pupils
1	3
2	1
3	10
4	7
5	6

How many pupils answered 3 or more questions correctly?

(1) 10

(2) 13

(3) 23

(4) 27

6. In the number 67.35, the digit _____ is in the tenths place.

(1) 5

(2) 6

(3) 3

(4) 7

7. What fraction of the shapes in the box are ☀ ?
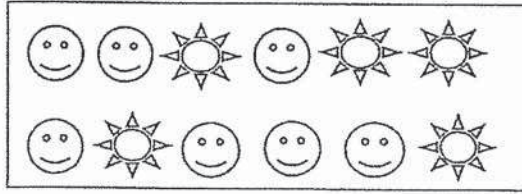
(1) $\dfrac{5}{12}$

(2) $\dfrac{5}{7}$

(3) $\dfrac{7}{12}$

(4) $\dfrac{7}{5}$

8. Arrange the following decimals from the smallest to the greatest.

4.8 , 0.48 , 4.08 , 0.84

	(smallest)			(greatest)
(1)	0.84 ,	0.48 ,	4.08 ,	4.8
(2)	0.48 ,	0.84 ,	4.08 ,	4.8
(3)	0.84 ,	4.8 ,	4.08 ,	0.48
(4)	0.48 ,	0.84 ,	4.8 ,	4.08

9. $9\frac{3}{5} = \dfrac{\square}{5}$

What is the missing number in the box?

(1) 27

(2) 42

(3) 45

(4) 48

10. Figure ABCDEF is drawn on the square grid shown. Which one of the following statements is true?
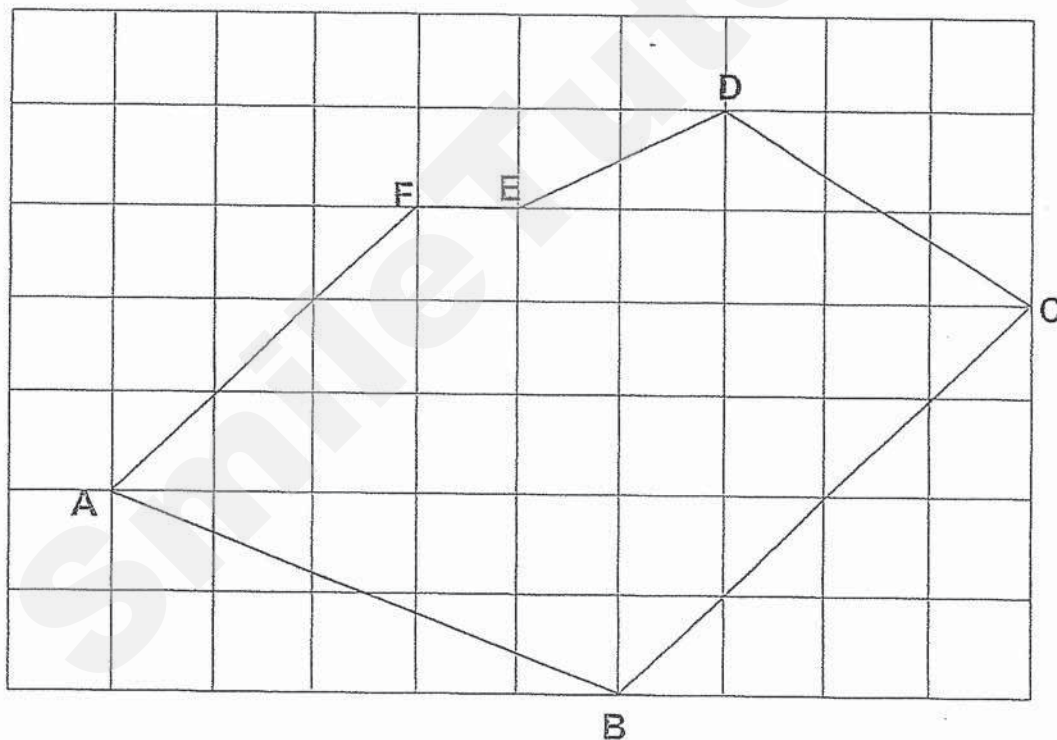
(1) AB is parallel to FE.

(2) AF is parallel to BC.

(3) AF is perpendicular to FE.

(4) CD is perpendicular to DE.

11. Kumar is 1.53 m tall. His father is 0.28 m taller than him. His mother is 0.13 m shorter than his father. What is his mother's height?

(1) 1.66 m
(2) 1.68 m
(3) 1.81 m
(4) 1.94 m

12. The perimeter of the rectangle is 70 cm. Its length is 25 cm.

25 cm
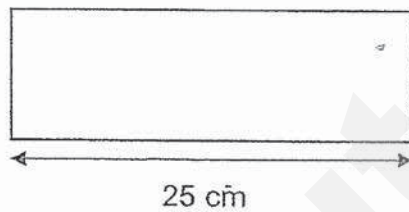
What is the breadth of the rectangle?

(1) 10 cm
(2) 20 cm
(3) 45 cm
(4) 50 cm

13. The chairs in a theatre were arranged equally in rows. There were 13 rows of chairs. Mark sat at the second row. 10 people were seated on his right and 7 people were seated on his left. How many chairs were there in the theatre?

(1) 26
(2) 31
(3) 221
(4) 234

14. The line graph shows the number of cupcakes left in a bakery from 11 a.m. to 6 p.m.
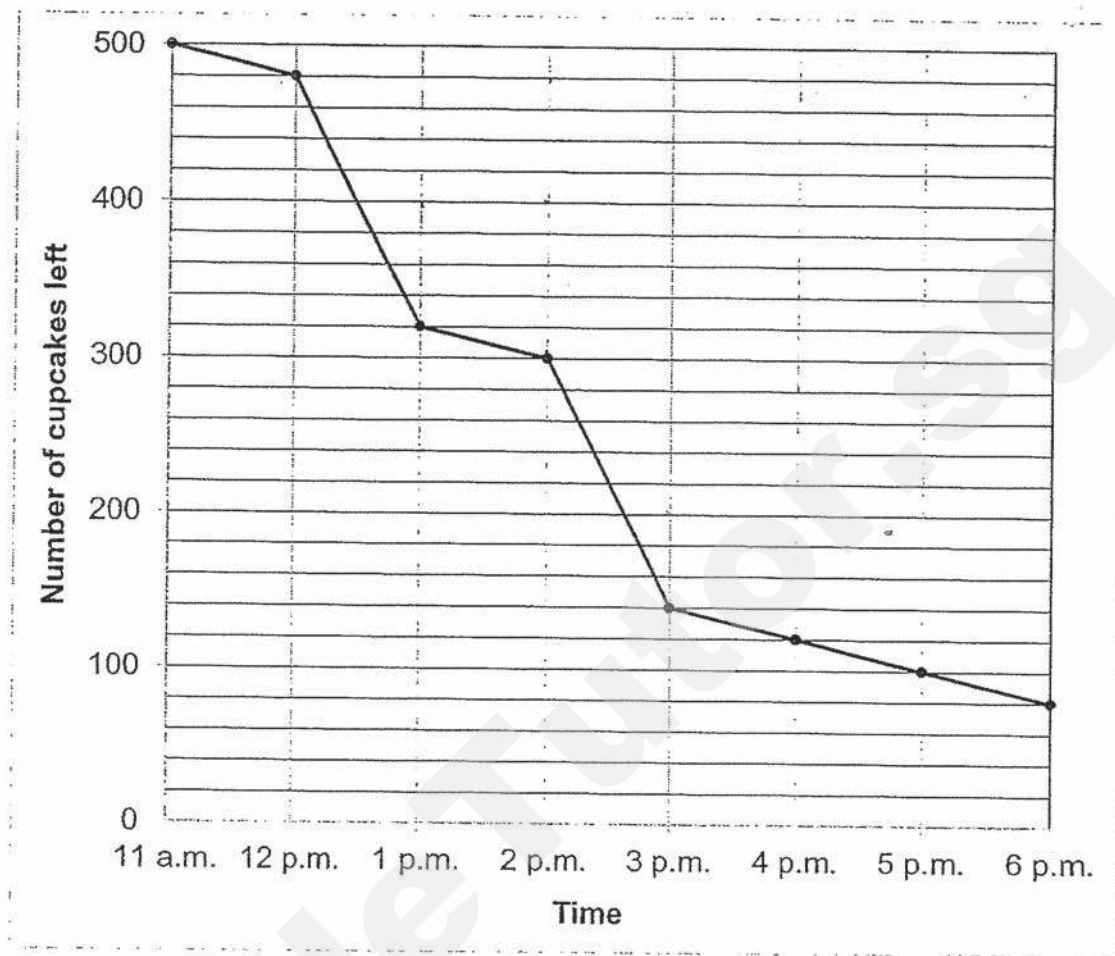
How many cupcakes were sold from 12 p.m. to 3 p.m.?

(1) 620

(2) 480

(3) 340

(4) 140

15. The figure is made up of a square ABCD and a rectangle DEFG.
∠ CDG = 69°. ∠ x is twice of ∠ y. Find ∠ x.
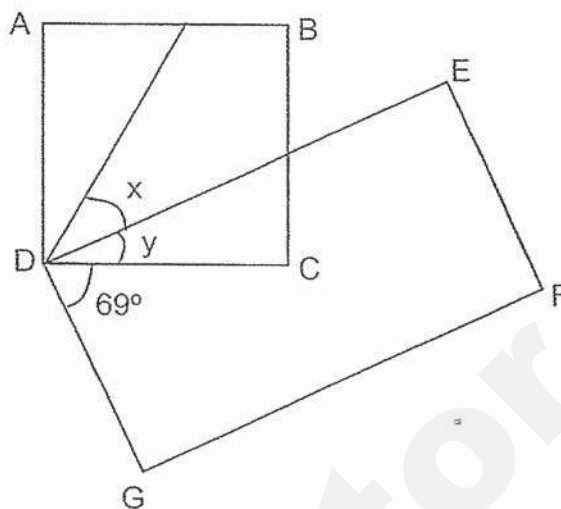
(1) 21°

(2) 27°

(3) 42°

(4) 63°

SECTION B (40 marks)

Questions 16 to 35 carry 2 marks 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. Write $\dfrac{17}{6}$ as a mixed number.

Ans:_____

17. What number is 10 more than 6995?

Ans:_____

18. Find the value of $1 - \dfrac{1}{8} - \dfrac{3}{4}$.

Ans:_____

19. Arrange the following numbers from the smallest to the greatest.

3907 , 3079 , 3790

_____ _____ _____
(smallest)   (greatest)

20. Measure and write down the size of ∠ a.
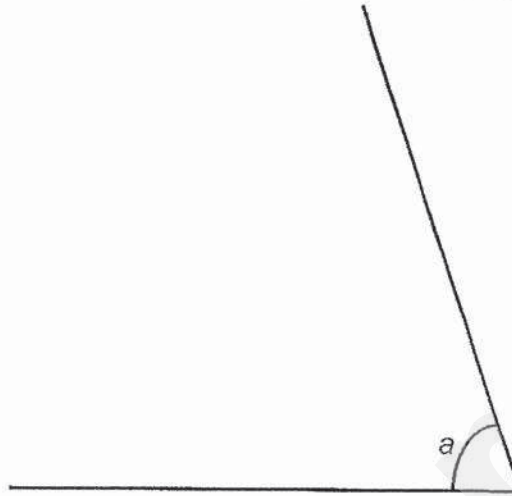
Ans:_____°

21. Express $\frac{39}{100}$ as a decimal.

Ans:_____.

22. In the figure shown, ABCD is a rectangle. Find ∠ EDF.

Ans:_____
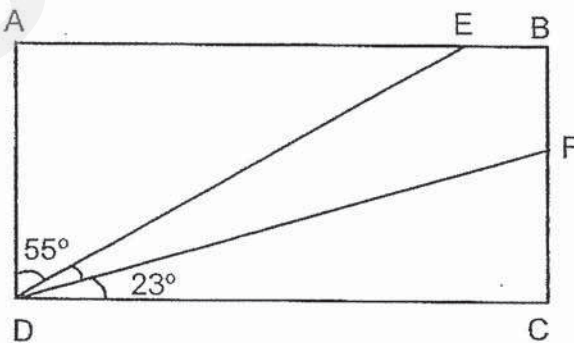
23. In the figure below, name the 2 angles that are smaller than 90°.
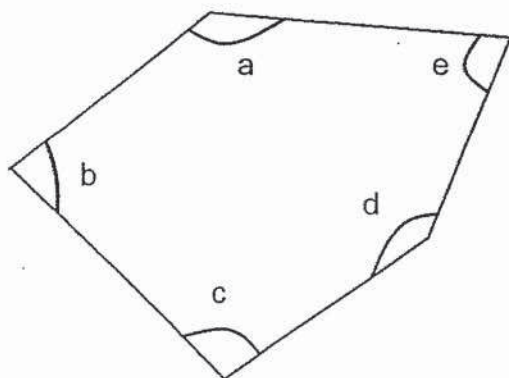
Ans: ∠_____ and ∠°_____

24. $8.3 - 0.74 =$ _____

Ans:_____

25. Draw ∠KLM = 115° using the given line. Mark and label the angle.

K ——————————— L

26. A ribbon was 27.3 m long. Siti used 2.98 m of it for her project. She then cut the remaining ribbon equally into 8 pieces. What was the length of each piece of ribbon?

Ans: _____m

27. Muthu slept at 21 35 on Saturday night and woke up at 06 00 the next day How long did he sleep?

Ans: _____ h_____min

28. A salesman accidentally spilled some coffee on a newspaper as shown below. What was the largest possible difference between the prices of the 2 brands of television sets?

```
┌─────────────────────────────────────────┐
│            End-of-year sale              │
│                                          │
│  Television                              │
│  Brand A        $ 7 2 9 ☼                │
│  Brand B        $ ☼ 5 6 4                │
│                                          │
└─────────────────────────────────────────┘
```

Ans: $ _____

29. Cynthia is facing the supermarket. She turns an angle of 225° in a clockwise direction. Where will she be facing after the turn?
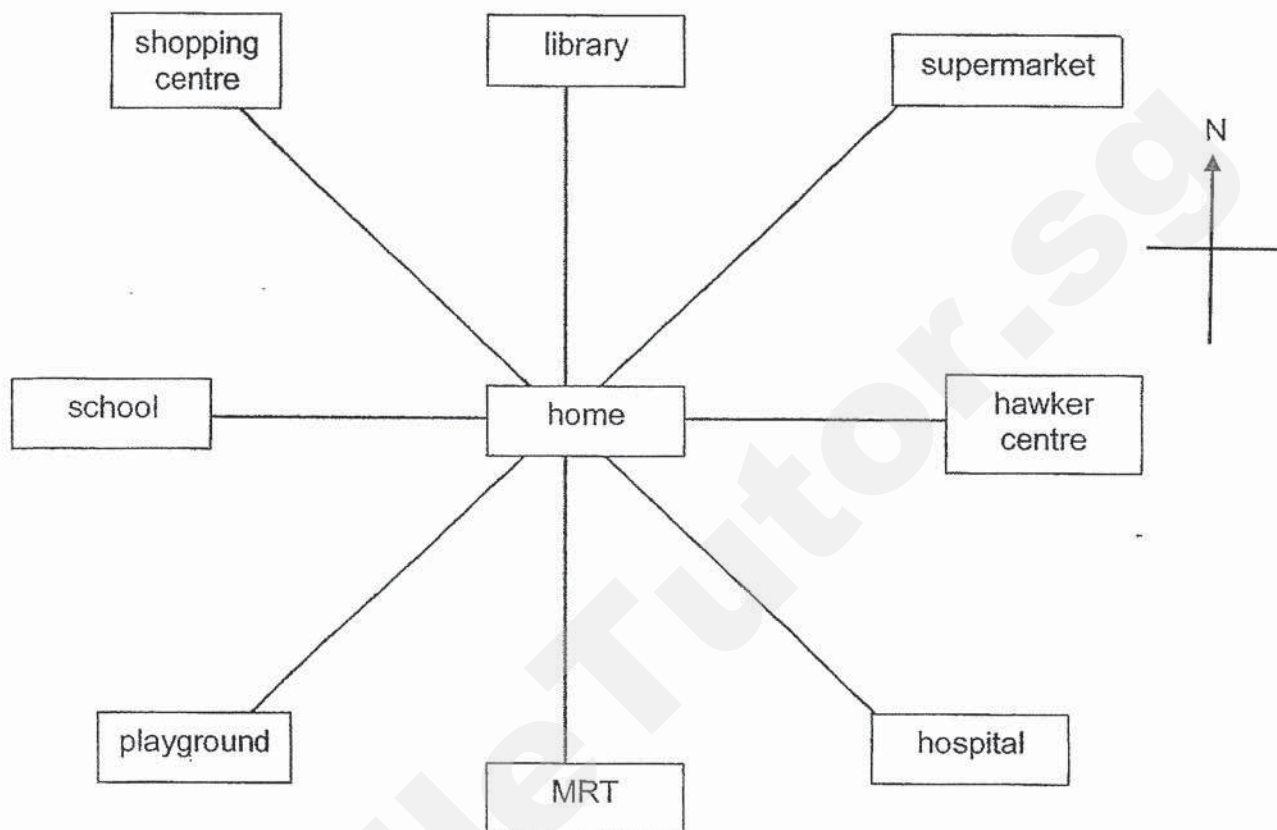
Ans: _____

30. Ling Ling used 6 identical squares in Figure A to make a rectangular card as shown in Figure B. The perimeter of Figure A was 80 cm. What was the length of the card?
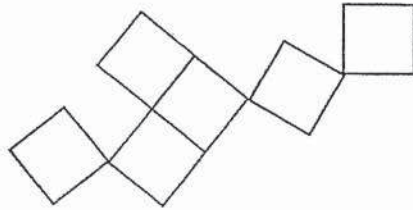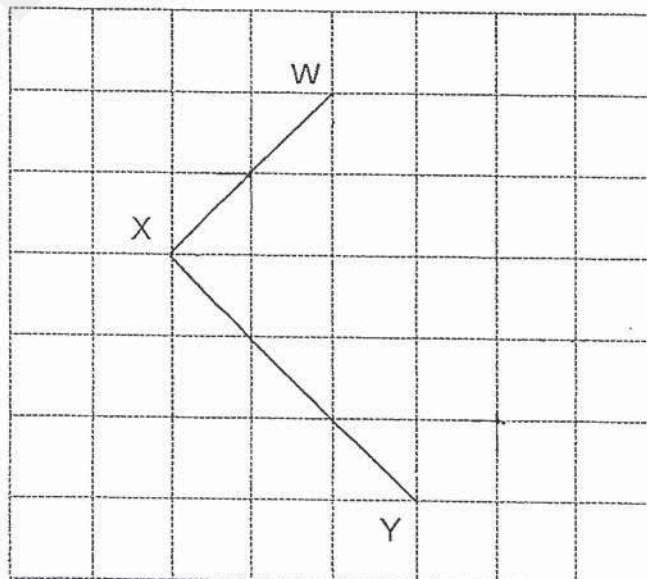

Figure A
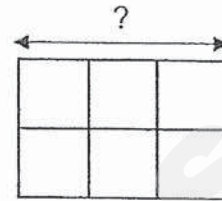
Figure B

Ans: _____ cm

31. The square grid shows line WX and XY of rectangle WXYZ. Complete the drawing and label the rectangle.

32. The table shows the cost of flight tickets to three cities, Sydney, London and New York.

Country	Ticket Price ($)
Sydney	?
London	$1100
New York	$1620

The total cost of tickets to New York and London is 4 times the cost of ticket to Sydney. What is the cost of ticket to Sydney?

Ans: $_____

33. Complete the symmetric figure with the dotted line as a line of symmetry.
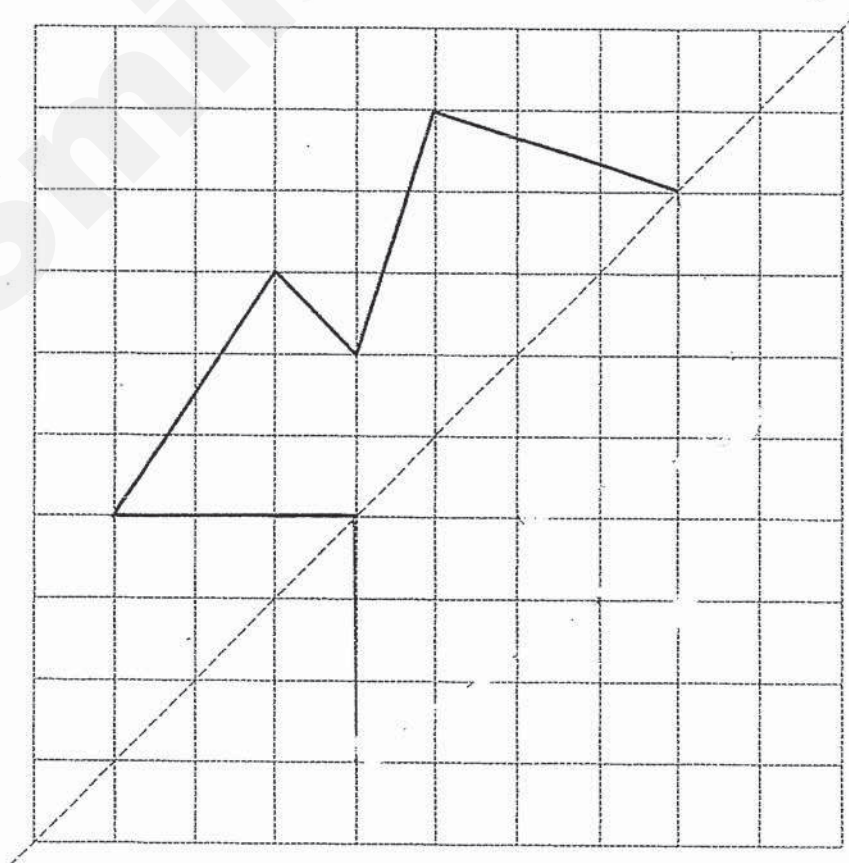
34. Container X has 96 more balls than Container Y. How many balls must be transferred from Container Y to Container X so that it has 112 balls less than Container X?

Ans: _____

35. A grocery store has a special offer for potato chips.

3 packets for $5.40

$1.90 per packet

Bryan wants to buy 14 packets of potato chips. What is the least amount of money he has to pay?

Ans: $_____

For questions 36 to 44, show your working clearly in the space provided below each question and write your answers with suitable units in the spaces provided. All diagrams are not drawn to scale. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

36. Factory A and Factory B produce 1508 boxes a day. Factory B produces 3 times as many boxes as Factory A. How many boxes does Factory B produce?

Ans:_____[3]

37. The line graph shows Mary's savings from January to June.
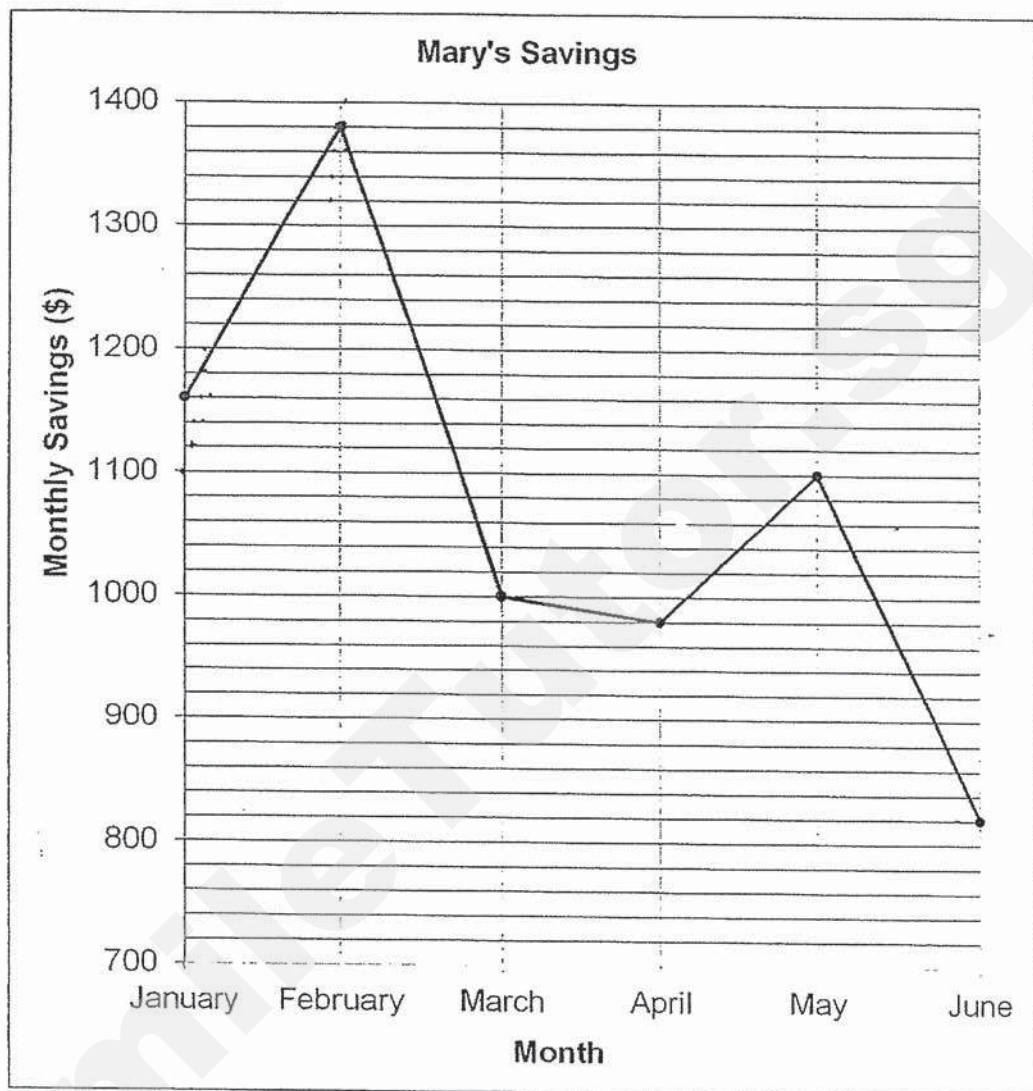
Mary's Savings

a) What was the amount of money Mary saved in January?

b) What was the difference between the amount of savings in the month that Mary saved the most and the least?

Ans: a)_____ [1]

b)_____ [2]

38. Mrs Choo bought a peach, 2 pears and 6 apples for $8.70. The cost of 1 pear and 3 apples was $2.60. What was the cost of the peach?

Ans: _____[3]

39. Ali bought 8 kg of flour. He used $\frac{2}{5}$ kg of the flour to bake a cake and $\frac{1}{4}$ kg of it to bake chocolate cookies.

a) What was the total mass of flour he used altogether?

b) What was the mass of flour he had left?

Ans: a) _____[2]

b) _____ [2]

40. Mr Wong earned $0.25 for every newspaper he sold. He earned an additional $1.50 for every 10 copies of newspaper sold.

a) How much did Mr Wong earn in total for selling 10 copies of newspaper?

b) He earned $48 one day. How many copies of newspaper did he sell that day?

Ans: a) _____[2]

b) _____[2]

41. The time in New Zealand is 4 hours ahead of the time in Singapore. When it is 10 00 in Singapore, it is 14 00 in New Zealand. Kathy went to New Zealand for a work trip. She would be taking a flight from New Zealand at 06 40 to come back to Singapore. The flight duration is 9 h 55 min. At what time would Kathy reach Singapore?

Ans: _____[4]

42. The figures are formed using identical sticks.
Study the figures and table carefully and answer the questions.

Figure 1   Figure 2   Figure 3   Figure 4
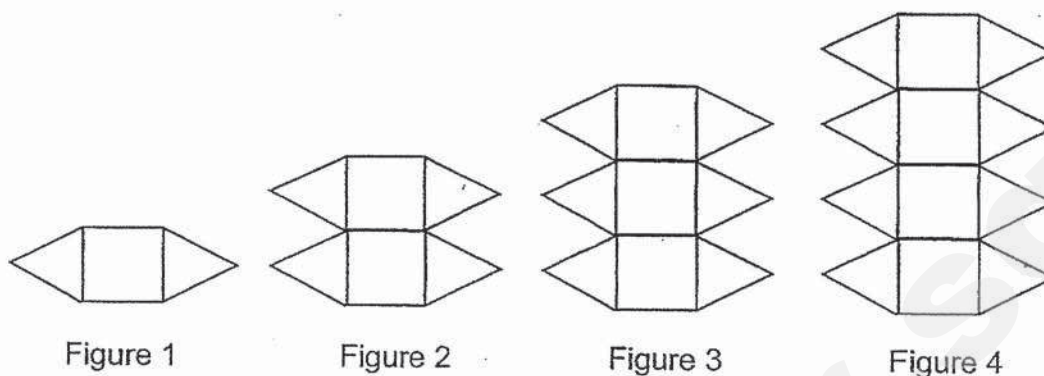
Figure Number	1	2	3	4	......	18
Number of sticks	8	15	22	(a)	.....	.....
Number of triangles	2	4	6	8	.....	(b)

(a) How many sticks are there in Figure 4?

(b) How many triangles are there in Figure 18?

(c) How many sticks are there in Figure 50?

Ans: a) _____ [1]
      b) _____ [1]
      c) _____ [3]

43. Mr Lim had 344 fruits. $\frac{3}{4}$ of the fruits sold were apples. Half of the remaining fruits sold were oranges and the rest were pears.

a) How many apples did he sell?

b) Mr Lim wanted to sell as many oranges as apples. How many more oranges would he need?

Ans: a) _____ [2]

b) _____ [3]

44. The figure is made up of 2 different squares. The perimeter of the shaded part is 64 cm and the area of the shaded part is 135 cm². Find the area of the unshaded square.
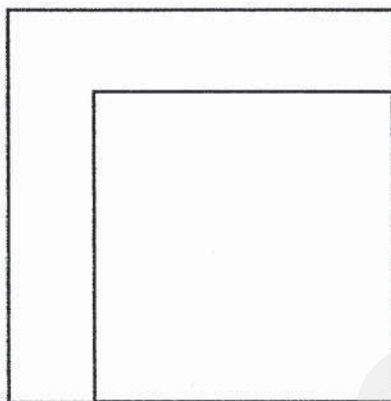
Ans: _____ [4]

ANSWER KEY

YEAR   : 2019
LEVEL   : PRIMARY 4
SCHOOL   : RAFFLES GIRLS' PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM   : SA 2

SECTION A

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

SECTION B

Q16) $2\frac{5}{6}$

Q17) 7005

Q18) $\frac{1}{8}$

Q19) 3079, 3790, 3907

Q20) 72°

Q21) 0.39

Q22) 12°

Q23) b and e

Q24) 7.56

Q25) (Measure 115° draw and label)

pg 1

Q26) 3.04m

Q27) 8h 25min

Q28) $5735

Q29) school

Q30) 12cm

Q31)
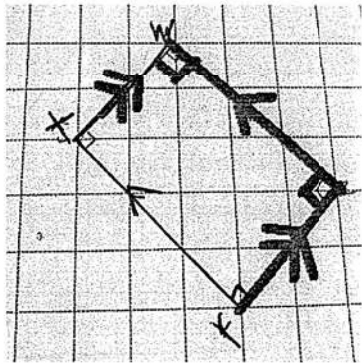
Q32) $680

Q33)

Q34) 8

Q35) $25.40

Pg 2
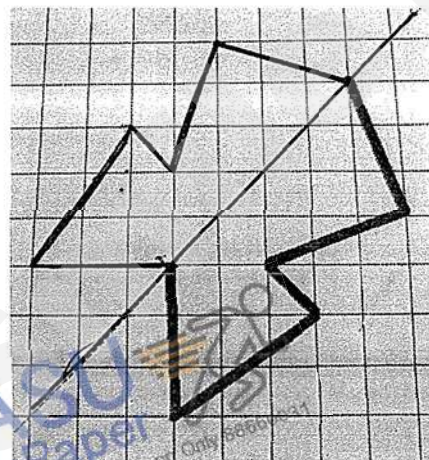
SECTION C

Q36) 4u → 1508

1u → 1508 ÷ 4
   = 377

3u → 377 x 3
   = __1131 boxes__

Q37a) __$1160__

Q37b) 1380 − 820 = __$560__

Q38) 2.60 x 2 = 5.20
   8.70 − 5.20 = __$3.50__

Q39a) $\frac{2}{5} = \frac{8}{20}$

$\frac{1}{4} = \frac{5}{20}$

$\frac{8}{20} + \frac{5}{20} = \frac{13}{20}$

Answer = $\frac{13}{20}$ kg

Q39b) 1 → $\frac{20}{20}$

$\frac{20}{20} - \frac{13}{20} = \frac{7}{20}$

$\frac{7}{20} + 7kg = 7\frac{7}{20}$

Answer = $7\frac{7}{20}$ kg

Pg 3

Q40a) $0.25 \times 10 = 2.50$

$\quad\quad 2.50 + 1.50 = \underline{\$4}$

Q40b) $48 \div 4 = 12$

$\quad\quad 12 \times 10 = \underline{120}$

Q41) $06\ 40 + 9h\ 55min = 16\ 35$

$\quad\quad 16\ 35 - 4h = \underline{12\ 35}$

Q42a) $22 + 7 = \underline{29\ sticks}$

Q42b) $18 \times 2 = \underline{36\ triangles}$

Q42c) $50 \times 7 = 350$

$\quad\quad 350 + 1 = \underline{351\ sticks}$

Q43a) $344 \div 4 = 86$

$\quad\quad 86 \times 3 = \underline{258\ apples}$

Q43b) $86 \div 2 = 43$

$\quad\quad 258 - 43 = \underline{215}$

Q44) $64 \div 4 = 16$

$\quad\quad 16 \times 16 = 256$

$\quad\quad 256 - 135 = \underline{121\ cm^2}$

END

Pg 4.

Rosyth School
End-of-Year Examination 2019
Mathematics
Primary 4

Name : _____ (   )   Total **100**

Class : **Pr 4 -** _____   Duration: **1h 45 min**

Date : **22ⁿᵈ October 2019**   Parent's Signature: _____

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. This paper consists of 3 parts: Sections A, B and C.
5. For questions 1 to 15 in Section A, shade your answers in the Optical Answer Sheet (OAS).

	Maximum Marks	Marks Obtained
Section A	30	
Section B	42	
Section C	28	
Total	100	

* This paper **consists of 23 printed pages** altogether (including the cover page).

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For questions **1** to **15**, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade your answers on the Optical Answer Sheet. Each question carries 2 marks.
All diagrams in this paper are not drawn to scale unless stated otherwise.

1. The value of the digit 2 in 27 410 is_____.

   (1) 20
   (2) 200
   (3) 2000
   (4) 20 000

2. Sixty-four thousand and twelve in figures is _____.

   (1) 64 120
   (2) 64 102
   (3) 64 012
   (4) 6412

3. 14 543 rounded to the nearest hundred is _____.

   (1) 14 500
   (2) 14 540
   (3) 14 600
   (4) 15 000

4. The figure shown is made up of identical triangles. What fraction of the figure is shaded?
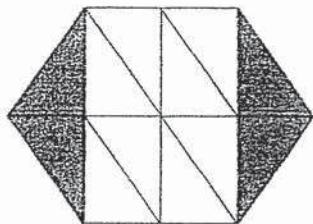
(1) $\dfrac{4}{8}$

(2) $\dfrac{4}{11}$

(3) $\dfrac{4}{12}$

(4) $\dfrac{8}{12}$

5. $\dfrac{1}{8} + \dfrac{1}{4} = $ _____

(1) $\dfrac{3}{32}$

(2) $\dfrac{2}{12}$

(3) $\dfrac{3}{8}$

(4) $\dfrac{7}{8}$

6. Write $9\frac{7}{20}$ as a decimal. The answer is _____.

   (1) 9.7
   (2) 9.35
   (3) 9.72
   (4) 9.035

7. In the figure below, PQRS is a square. Find $\angle v$.
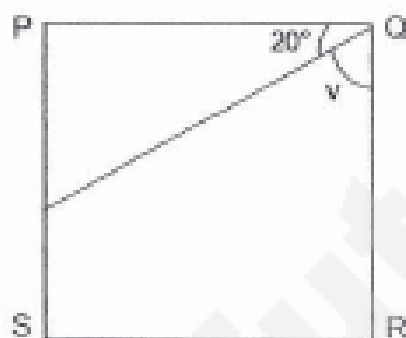
   (1) 40°
   (2) 50°
   (3) 70°
   (4) 110°

8. In the figure, ABCD is a rectangle. Find the value of $\angle x$.
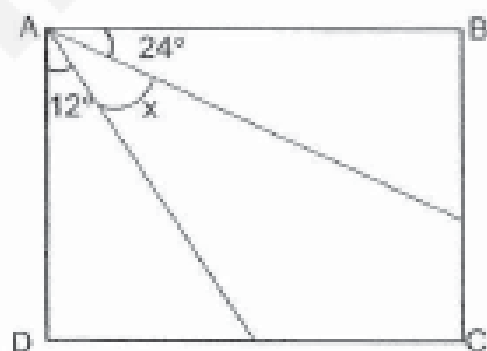
   (1) 36°
   (2) 54°
   (3) 64°
   (4) 144°

4

9. Which of the following dotted line in the figure does not show correctly the line of symmetry?

(1)
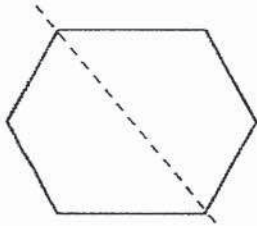
(2)
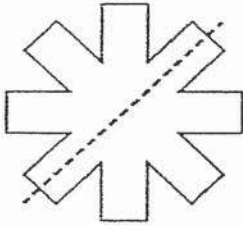
(3)
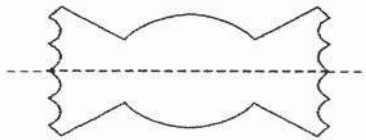
(4)
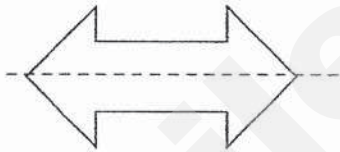
10. The table below shows the number of mobile phones that was sold by a shop from Friday to Sunday.

	Friday	Saturday	Sunday	Total
Number of mobile phones sold	28	?	49	176

Find the number of mobile phones sold on Saturday.

(1) 77
(2) 89
(3) 99
(4) 109

11. Azahar bought 9 similar pens. Each pen cost $2.40. He gave the cashier a $50 note for the pens. How much change did he receive?

   (1) $21.60
   (2) $28.40
   (3) $29.40
   (4) $47.60

12. A rectangle has a breadth of 12 cm. If the length of the rectangle is 3 times its breadth, what is its perimeter?

   (1) 36 cm
   (2) 48 cm
   (3) 96 cm
   (4) 432 cm

13. Michelle took 50 min to finish her English homework. She took 15 min longer to finish her Mathematics homework. What was the total time taken to finish her English and Mathematics homework?

   (1) 1 h 5 min
   (2) 1 h 15 min
   (3) 1 h 25 min
   (4) 1 h 55 min

14. Mr Ang spent $270 on 3 T-shirts and 2 pairs of pants. A pair of pants cost $15 more than a T-shirt. Find the cost of a T-shirt.

   (1) $48
   (2) $49
   (3) $51
   (4) $144

6

15. Ryan was at point X facing the garden. He wanted to go to the shop. In which direction should he turn?

Carpark

Supermarket   Garden

Shop ———————— X ———————— School

Pond   Playground

Bus Stop

N
W —+— E
S
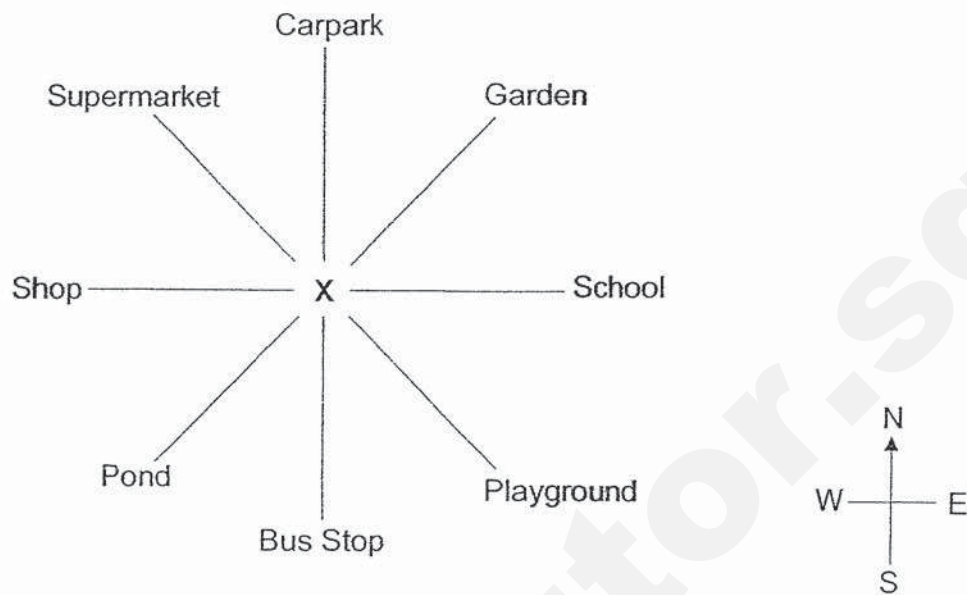
(1) 135° clockwise
(2) 135° anti-clockwise
(3) 245° clockwise
(4) 245° anti-clockwise

Section B (42 marks)

Questions **16** to **36** carry 2 marks each. Write your answers in the spaces provided. Show your workings clearly. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.

16.   6995 + 1077 = _____

Ans: _____

17.   What is the remainder when 1034 is divided by 6?

Ans: _____

18.   I am a number greater than 20 but less than 40. I am a multiple of 6 and a factor of 48. What number am I ?

Ans: _____

19.   What is the value of $\dfrac{5}{6} + \dfrac{1}{3}$?

Express your answer as a mixed number.

Ans: _____

8

20. Which two fractions below are smaller than $\frac{1}{2}$?

$$\frac{2}{3} \ , \quad \frac{4}{9} \ , \quad \frac{3}{8} \ , \quad \frac{7}{11}$$

Ans: _____ and_____

---

21. In the figure, one of the lines is parallel to BE. Which line is parallel to BE?
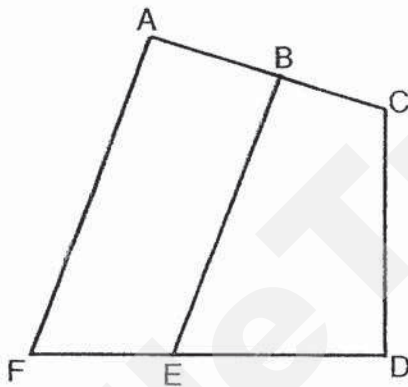
Ans: _____

---

22. Write 42 thousandths as a decimal.

Ans: _____

9

23. $9.7 - 0.78 =$ _____

Ans: _____

24. Arrange the following numbers in order from the smallest to the greatest.

$$\frac{4}{5} \quad , \quad 0.8\overset{.}{1}8 \quad , \quad 0.088$$

Ans: _____, _____, _____
(smallest)   (greatest)

25. Write the decimal represented by A.

0.5   0.6
            A

Ans: _____

10
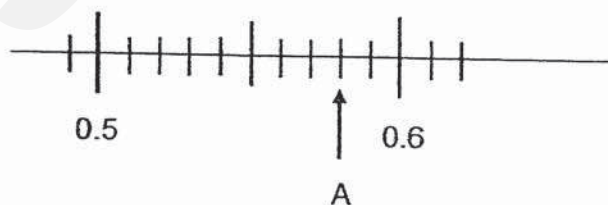
26. Shade **two** squares to form a symmetric figure with AB as the line of symmetry.
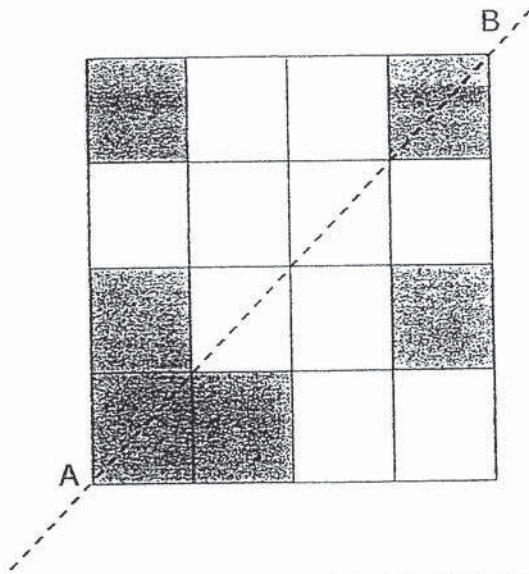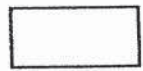
27. The figure below (not drawn to scale) is made up of 2 rectangles. Find ∠m.

75°

m

Ans: _____ °

11
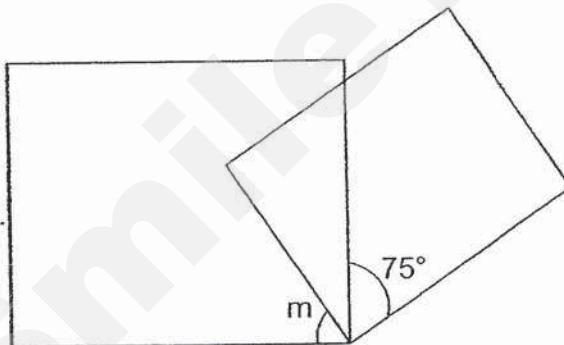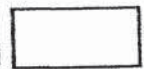
Use the following information below to answer Questions 28 and 29.

The graph below shows the number of visitors who attended an art exhibition over five months.

Visitors' Attendance at an Art Exhibition
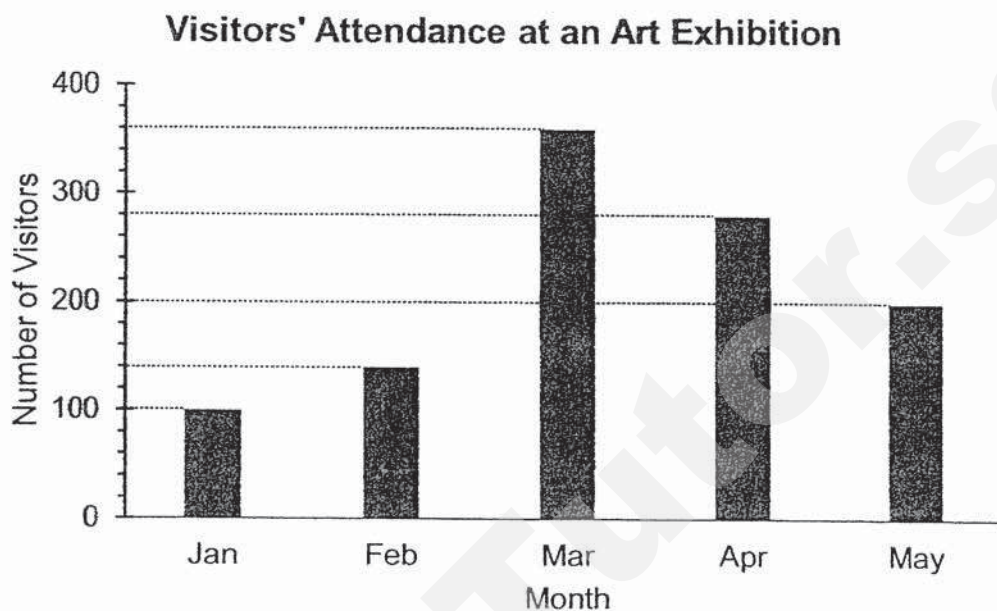
28. Which month has twice the number of visitors in January?

Ans: _____

29. What was the total number of visitors from January to May?

Ans: _____

12

30. The figure below is made up of 3 identical rectangles. Given that the perimeter of the figure is 60 cm, find the length of a rectangle.
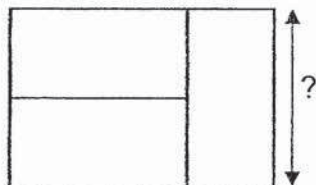
Ans: _____ cm

31. ABCD is a rectangle and EFGH is a square.

Find the area of the shaded part.

A _____ B

E _____ F

12 cm

H ←— 6 cm —→ G

D ←_____→ C

18 cm

Ans: _____ cm²

13
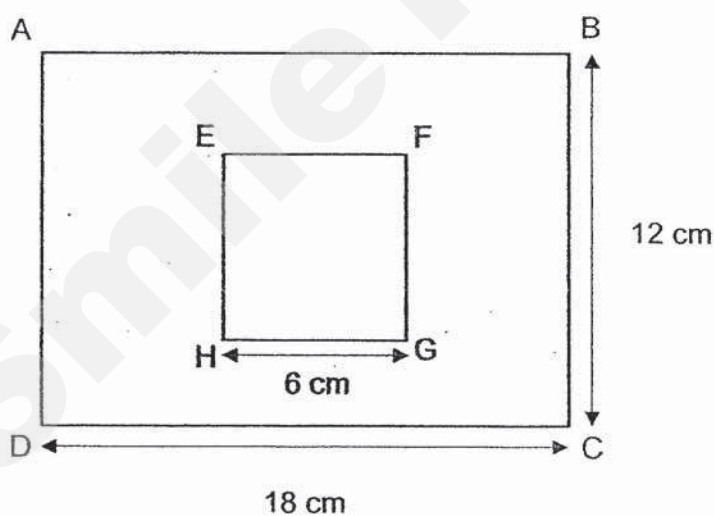
32. Find the perimeter of the figure below. (All lines meet at right angles.)

20 cm

4 cm

14 cm

8 cm

4 cm
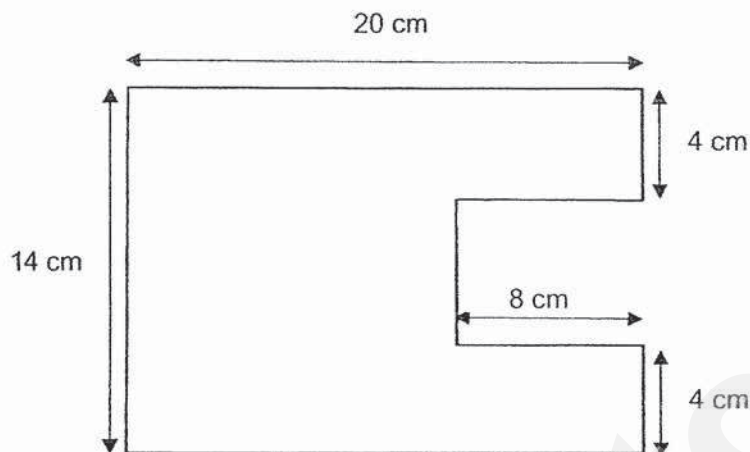
Ans: _____ cm

33. The mass of a bottle of soft drink is 1.53 kg. It is 9 times as heavy as a packet of chocolate milk. What is the mass of the packet of chocolate milk?

Ans: _____ kg

34. Tank A had 5 times as much water as Tank B at first. After 20.16 litres of water from Tank A was poured into Tank B, both tanks had an equal amount of water. How much water was there in Tank A at first?

Ans: _____ litres

---

35. Ethan left home at 10.20 a.m. He walked for 20 min to reach the train station. His train journey took 25 min. He walked for another 8 min before reaching the library. What time did he reach the library?

Ans: _____ a.m.

---

36. Mrs Koh left a shopping mall at 20 10 after spending her time there for 2 h 35 min. What time did she arrive at the shopping mall?
State the time using the 24-hour clock.

Ans: _____

15

Questions **37** to **40** carry 3 marks each. Questions **41** to **44** carry 4 marks each. 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.

All diagrams in this paper are not drawn to scale unless stated otherwise.

37.   Nisha bought 3 notebooks and 3 pens. Each notebook cost twice as much as a pen. She paid $216 in total for the notebooks and pens. Find the cost of 1 notebook.

Ans: _____ [3]

38.   In a competition for school children, $\frac{7}{9}$ of the participants were boys.

There were 50 girls who participated in the competition. How many more boys than girls participated in the competition?

Ans: _____ [3]

17

39. The figure below (not drawn to scale) is made up of two squares, Square
X and Square Y. The total area of the figure is 80 m².

(a) What is the area of Figure Y?

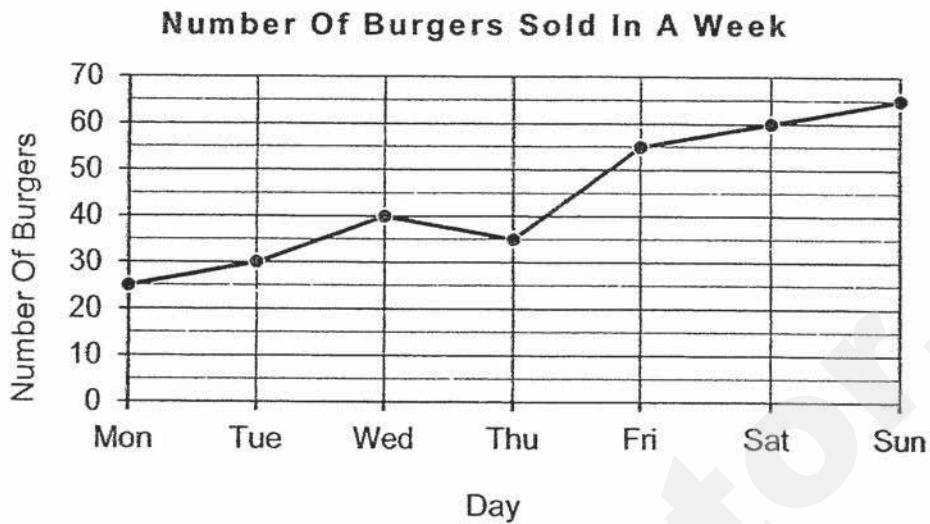(b) What is the perimeter of the whole figure?

8 m

X

Y
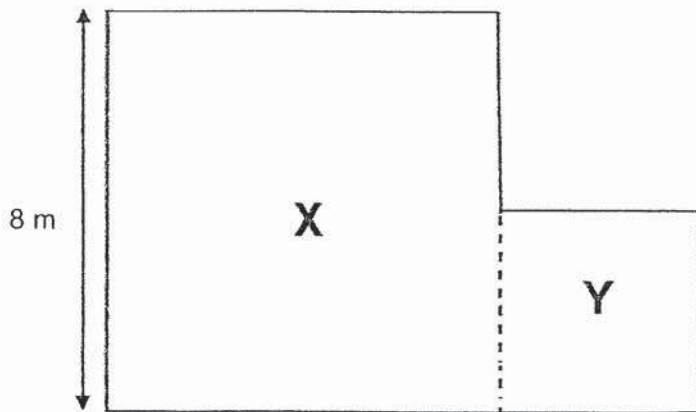
Ans: (a) _____ [1]

(b) _____ [2]
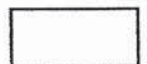
40. The graph below shows the number of burgers sold by a fast-food restaurant in a week.

Number Of Burgers Sold In A Week

(a) Which day showed a decrease in the number of burgers sold compared to the previous day?

(b) Each burger was sold at $4 each. How much money did the restaurant earn from the total sales on Saturday and Sunday?

Ans: (a)_____ [1]

(b) _____ [2]
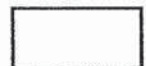
41. A library has a total of 5670 books. The number of English books is twice as many as Chinese books and four times as many as Malay books.

(a) How many more Chinese books than Malay books are there in the library?

(b) How many English books are there in the library?

Ans: (a) _____ [2]

(b) _____ [2]

20

42. Wong Lin bought twice as many cupcakes as muffins from a shop. Each cupcake cost $3 and each muffin cost $2. If she spent a total of $640, how many cupcakes did she buy?

Ans: _____ [4]

43. Mdm Fatimah had a bag of green beans. She prepared an equal amount of green beans each day to sell at her desserts stall. At the end of 2 days, she had $\frac{4}{5}$ of her bag of green beans left. At the end of 8 days, she had 10 kg of green beans left.

(a) What was the mass of the bag of green beans she had at first?

(b) How many kilograms of green beans did she use in 3 days?

Ans: (a) _____ [2]

(b) _____ [2]

22

44. Claire multiplied a number by 7 and got answer A. Using the same number, Claire multiplied it by 2 and got answer B. The difference between answer A and answer B was 18.5.

(a) What was the number?

(b) What was the sum of answer A and answer B?

Ans: (a) _____ [2]

(b) _____ [2]

End of paper

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : ROSYTH SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESSMENT 2

SECTION A

Q1 4

Q2 3

Q3 1

Q4 3

Q5 3

Q6 2

Q7 3

Q8 2

Q9 1

Q10 3

Q11 2

Q12 3

Q13 4

Q14 1

Q15 2

Q16 8072

Q17 2

Q18 24

Q19 $1\frac{1}{6}$

1

Q20 $\frac{3}{8}$ OR $\frac{4}{9}$

Q21 AF

Q22 0.042

Q23 8.92

Q24 0.088, $\frac{4}{5}$, 0.818

Q25 0.58

Q26
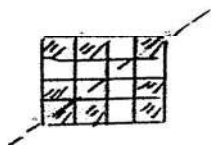
Q27 75°

Q28 MAY

Q29 1050

Q30 12cm

Q31 180cm^2

Q32 84cm

Q33 0.17kg

Q34 50.40litres

Q35 11.13a.m.

Q36 1735

Q37 $48

Q38 125

Q39 (a)16m^2

(b)40m

Q40 (a)Thursday

(b)$500

Q41 (a)810

(b)3240

Q42 160

Q43 (a)50kg

(b)15kg

Q44 (a)3.7

(b)33.3

2

SINGAPORE CHINESE GIRLS' SCHOOL

SECOND SEMESTRAL ASSESSMENT 2019

PRIMARY 4

MATHEMATICS

BOOKLET A

Name :_____(   )   23 October 2019

Class : Primary 4 SY/C/G/SE/P

Parent's Signature

There are 15 questions in this booklet.
SECTION A

Total Time : 1 h 45 min (Booklet A and B)

INSTRUCTIONS TO CANDIDATES

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

CHECK THAT ALL MCQ ANSWERS ARE SHADED CORRECTLY IN THE OAS

Section A: (30 marks)

Questions 1 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.

1. Twenty-five thousand and thirteen in figures is _____.

    (1)   25 130
    (2)   25 103
    (3)   25 013
    (4)   2513

2. 49 726 rounded to the nearest hundred is _____.

    (1)   49 700
    (2)   49 730
    (3)   49 800
    (4)   50 000

3. 72 is **not** a multiple of _____.

    (1)   6
    (2)   7
    (3)   8
    (4)   9

4. $6\frac{1}{4} = \dfrac{\Box}{4}$ What is the missing number in the box?

    (1)   7
    (2)   11
    (3)   24
    (4)   25

1

5. The figure shown is made up of identical triangles.
What fraction of the figure is shaded?
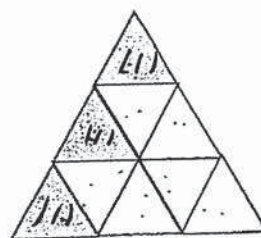
(1) $\dfrac{3}{6}$

(2) $\dfrac{3}{8}$

(3) $\dfrac{3}{9}$

(4) $\dfrac{6}{9}$

6. Which of the following decimals is the greatest?

(1) 4.09

(2) 4.108

Text

(3) 4.063

(4) 4.21

7. Express 0.75 as a fraction in its simplest form.

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

(2) $\dfrac{3}{40}$

(3) $\dfrac{5}{10}$

(4) $\dfrac{5}{20}$

2

8. Which number below is 5.02 less than 10?

   (1)   4.8
   (2)   4.98
   (3)   15.2
   (4)   15.02

9. The total mass of Mrs. Kong and her husband is 110.8 kg. She is 30.6 kg lighter than her husband. What is Mrs Kong's mass?

   (1)   40.1 kg
   (2)   55.4 kg
   (3)   70.7 kg
   (4)   80.2 kg

10. Mrs Li cut 8 pieces of ribbon from a roll, measuring 20 m.
    Each piece measured 2.4 m long.
    Find the remaining length of the ribbon.

   (1)   0.8 m
   (2)   10.4 m
   (3)   17.6 m
   (4)   19.2 m

11. In the figure below, which angle is greater than a right angle?

   (1)   p
   (2)   q
   (3)   r
   (4)   s

3
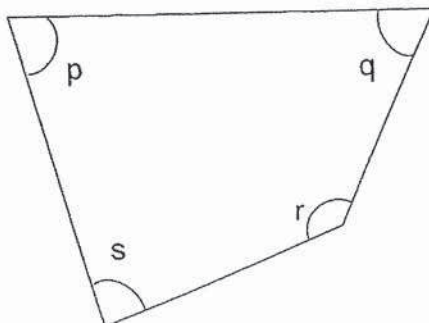
12. PQRS is a square. ∠PQT is _____ °
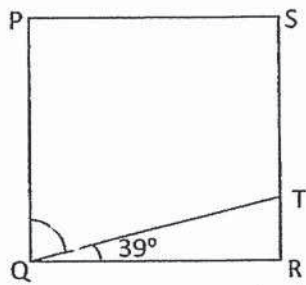
(1) 39°
(2) 51°
(3) 129°
(4) 141°

13. Which rectangle has the greatest area?

(1)

24 cm

1 cm

(2)

20 cm

2 cm

(3)

9 cm

3 cm

(4)

8 cm

4 cm

4
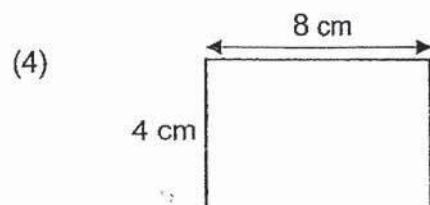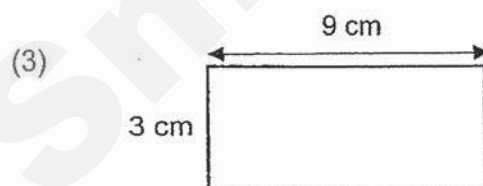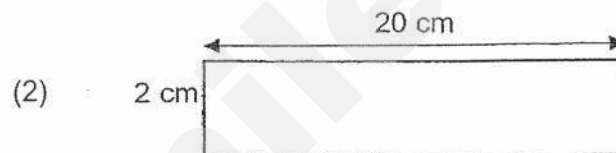
14. Mr Tan drove from Singapore to Kuala Lumpur. He started at 0920 and reached Kuala Lumpur at 1400. How long was the journey?

    (1)   3h 20 min

    (2)   3h 40 min

    (3)   4h 40 min

    (4)   5h 20 min

15   Find the value of $\dfrac{7}{12} + \dfrac{3}{4}$.

Express your answer as a mixed number in its simplest form.

    (1) $\dfrac{16}{12}$

    (2) $\dfrac{10}{16}$

    (3) $1\dfrac{2}{6}$

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

5

ELAU / YWW / KO / LYL . EC

SINGAPORE CHINESE GIRLS' SCHOOL

SECOND SEMESTRAL ASSESSMENT 2019

PRIMARY 4

MATHEMATICS

BOOKLET B

Name : _____ (   )   23 October 2019

Class : Primary 4 SY/C/G/SE/P

		Marks attained	Max Mark		Parent's Signature
Booklet A	Section A		30		
Booklet B	Section B		40		
	Section C		30		
Total			100		

There are 28 questions in this booklet.
SECTION B and C

Total Time : 1 h 45 min (Booklet A and B)

INSTRUCTIONS TO CANDIDATES

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Section B: (40 marks)

Questions 16 to 35 carry 2 marks each. Write your answers in the space provided. For questions which require units, give your answers in the units stated.

16. $72\,508 = 70\,000 + 2000 +$ _____ $+ 8$

    What is the missing number?

    Ans:_____

17. Write the missing number in the number pattern below.

    Ans: _____

18. Some factors of 28 are 1, 2, 4 and 28. What are the other two factors of 28?

    Ans :_____ , _____

19. $\dfrac{3}{5} = \dfrac{6}{\square}$

    Ans : _____

1

8
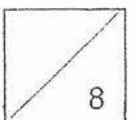
20. Find the value of $1 - \dfrac{2}{9} - \dfrac{1}{3}$.

Ans:_____

21. Find the value of $\dot{5}.83 \times 7$.

Ans:_____

22. $12.85 + 0.19 =$ _____

Ans : _____

23. In the figure below, name the smallest angle.

Ans : ∠_____

8

2
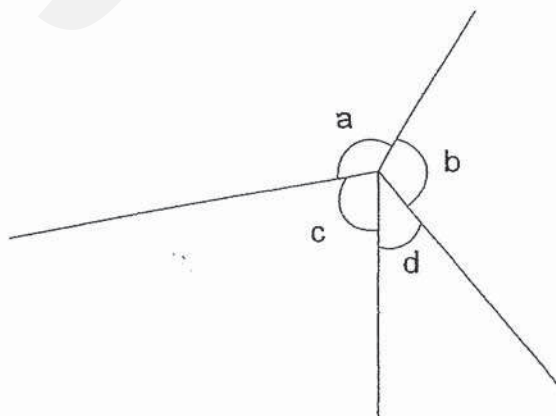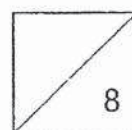
24. Measure and write down the size of ∠y.
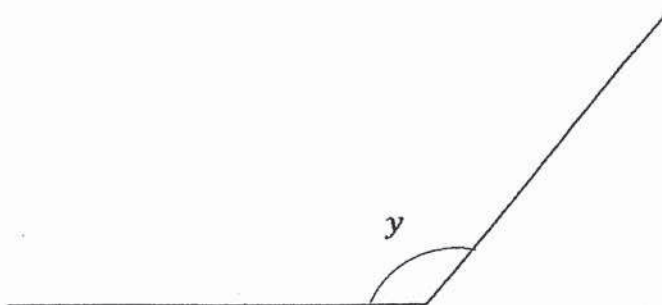
Ans: _____ 0

25. Five similar t-shirts cost $102.50.
    What is the cost of one t-shirt?

Ans: $_____

26. Ellie and George have $480. George has thrice as much money as Ellie.
    How much money does George have?

Ans: $_____

6

3

Need a home tutor? Visit smiletutor.sg
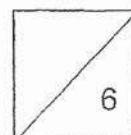
27. Mrs Li had 4 kg of flour. She used $\frac{1}{2}$ of it to bake cookies and $\frac{2}{3}$ kg to bake cakes. How much flour was left?

Ans:_____kg

28. 7 bottles can hold as much water as 5 jars. 1 bottle can hold $0.75l$ of water. How much water can 1 jar hold?
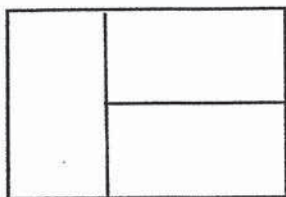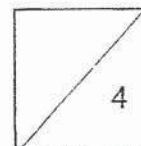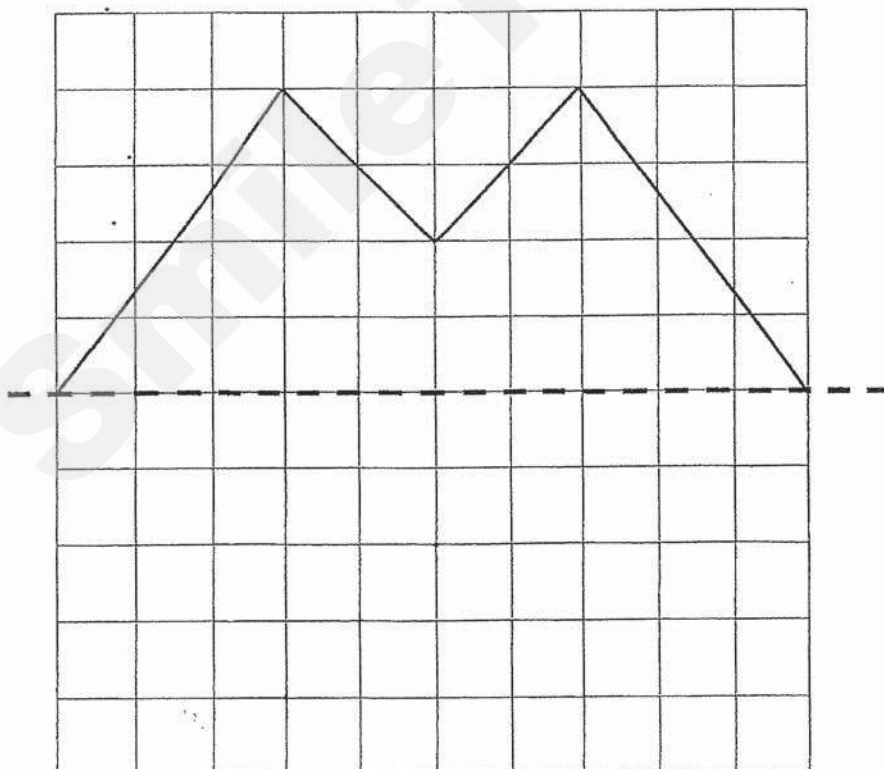

5 jars

7 bottles

Ans:_____ ℓ

4

4
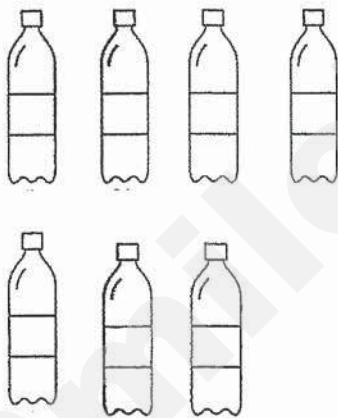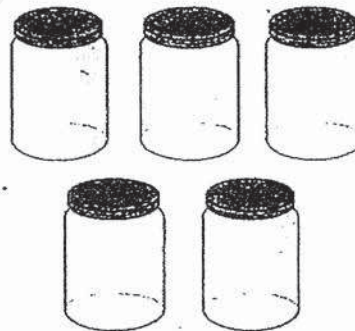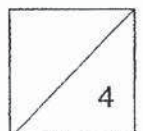
29. The figure below is made up of 3 identical rectangles. The length of each rectangle is twice its breadth. The total perimeter of the figure is 80 cm. What is the length of each rectangle?
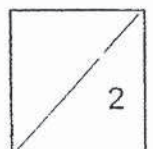
Ans:_____cm

30. Complete the diagram below to form a symmetric figure.
The dotted line is the line of symmetry. Draw the other half.

31. Tom wanted to watch a movie that started at 12.50 pm. He arrived at the theatre 35 minutes late. What time did he arrive at the theatre?
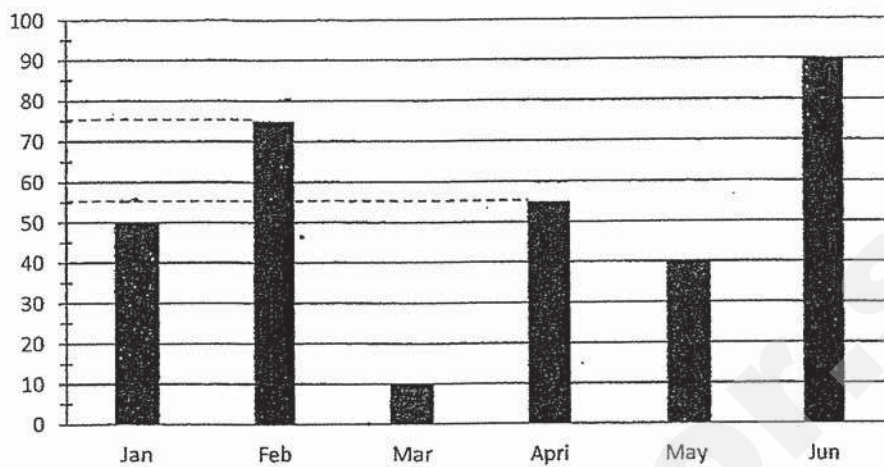
Ans:_____ p.m.

6

The bar graph below shows the number of shoes sold at Tom's shop.

Answer Questions 32 and 33.

Pairs of shoes sold in Tom's shop

32. In January, Tom sold _____ times as many pairs of shoes as in March.
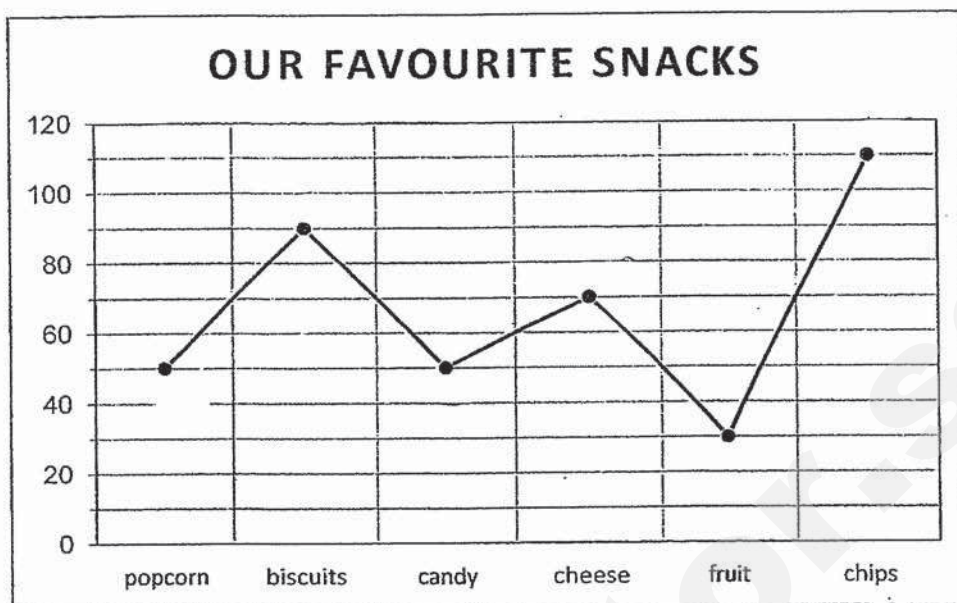
Ans:_____

33. Each pair of shoes was sold for $30. How much did he earn for the month when he sold the most number of shoes?

Ans: $_____

4

The line graph below shows survey results of the favourite snacks of some children. Use the graph to answer questions 34 and 35.

OUR FAVOURITE SNACKS

34. How many children took part in the survey?

Ans : _____

35. Which **2 snacks** have the same total number of votes as popcorn and candy?

Ans : _____ and _____

8

4

Section C: (30 marks)

For questions 36 to 43, show your working clearly in the space provided for each question and write your answer in the space provided.
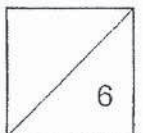
The number of marks available is shown in brackets [   ] at the end of each question or part-question.

36.   Peter had $530. Ahmad had $80 less than Peter. Bob had $160 more than Ahmad. How much did Bob have?

Ans:_____ [3]

37.   Paul lost $\frac{3}{8}$ of his marbles in a game and had 565 marbles left. How

many marbles did he have at first?

Ans:_____ [3]

6

38. Mr Wong had 6 crates of equal number of peaches. He repacked them into 8 baskets. Each basket can hold 49 peaches. 22 peaches could not be packed into the baskets. How many peaches were there in 1 crate?
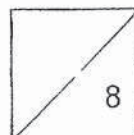
Ans : _____ [4]

39. Look at the diagram below.
   a) What is the distance between the 2nd and 9th lamp posts?
   b) How many lamp posts will there be if the total distance between the first and the last lamp post is 280 m?

1st
Lamp post

5th
Lamp post

20 m apart
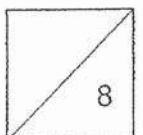
20 m apart

Ans : (a) _____ [2]

(b) _____ [2]

8

10
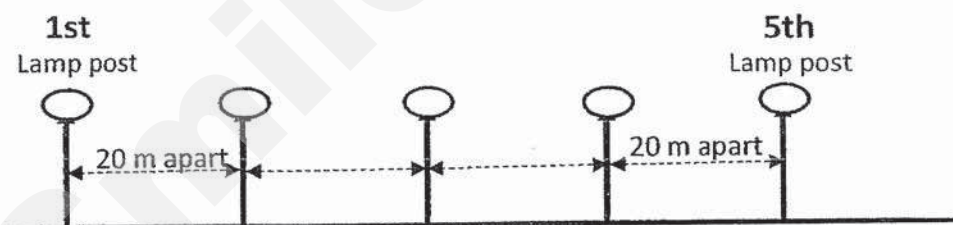
40. Katie had thrice as much money as Alan. When Alan gave $20 to his brother, Katie would have 5 times as much money as Alan. How much did Katie have?

Ans: _____ [4]

41. Lily is $\frac{3}{7}$ of her mother's age. Her mother is 49 years old now. In how many year's time will their total age be 100 years?
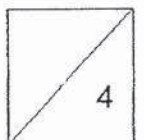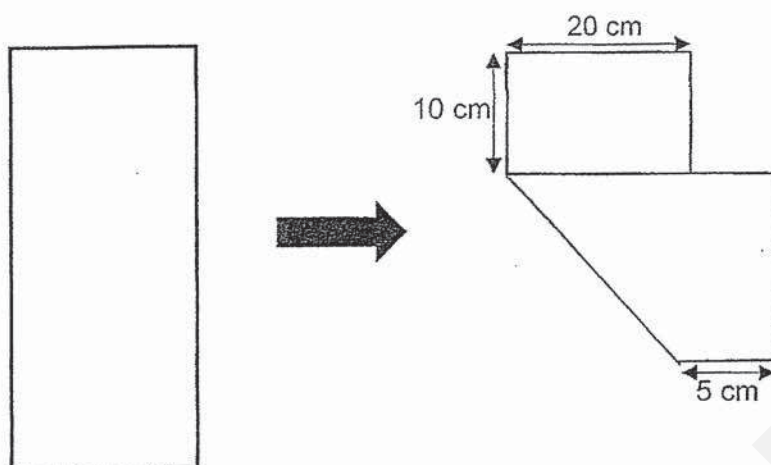
Ans:_____ [4]

8

42. Oranges are sold at $1.50 each or 3 oranges for $3.45. What is the most number of oranges James can buy with $10?
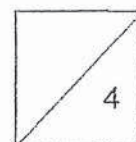
Ans : _____ [4]

12

4

43.　In the figure below, a rectangle is folded as shown.
Find the area of the rectangle.

20 cm

10 cm

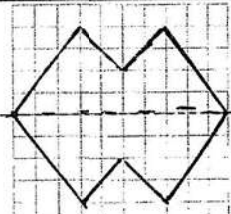5 cm

Ans: _____ [4]

4

END OF PAPER

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : SINGAPORE CHINESE GIRLS' SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

PAPER ONE : BOOKLET A

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

PAPER ONE : BOOKLET B

Q16	500
Q17	4099
Q18	7 , 14
Q19	10
Q20	$\dfrac{9}{9} - \dfrac{2}{9} - \dfrac{3}{9} = \dfrac{4}{9}$
Q21	5.83 X 7 = 40.81
Q22	12.85 + 0.19 = 13.04
Q23	<d
Q24	130°
Q25	$102.50 ÷ 5 = $20.50
Q26	E : G → 1 : 3 4u → $480 3u → $480 ÷ 4 x 3 = $360
Q27	4 ÷ 2 = 2kg $2 - \dfrac{2}{3} = 1\dfrac{1}{3}$ kg
Q28	0.75 x 7 = 5.25 5.25 ÷ 5 = 1.05l
Q29	Length : Breadth → 3u : 2u 10u → 80 1u → 80 ÷ 10 = 8 2u → 8 x 2 = 16
Q30	

Q31	<table><tr><td>10 min</td><td>25min</td><td></td></tr></table> 12 50 13 00 13 25 Ans: 1.25 p. m.
Q32	$50 \div 10 = 5$
Q33	Jun → $90 \times \$30 = \$2700$
Q34	$50 + 90 + 50 + 70 + 30 + 100$ $= 400$
Q35	$50 + 50 = 100$ Ans : Cheese and fruit $(30 + 70 = 100)$
Q36	$\$530 - \$80 + \$160 = \$610$
Q37	5u → 565 1u → $565 \div 5 = 113$ 8u → $113 \times 8 = 904$ marbles
Q38	8 backets → $49 \times 8 = 392$ Total → $392 + 22 = 414$ Ans → $414 \div 6 = 69$ peaches
Q39	(a) 7 gaps $\times$ 20m = 140m (b) $280 \div 20 = 14$ ANS(b) → $14 + 1 = 15$
Q40	<table><tr><td>K</td><td>1u</td><td>1u</td><td>1u</td><td>20</td><td>20</td><td>20</td></tr><tr><td>A</td><td>1u</td><td>20</td><td></td><td></td><td></td><td></td></tr></table> $4u = 2u + 60$ $2u = 60$ $1u = 30$ Katie $= 30 \times 3 + 60 = 150$ Ans → 150
Q41	$7u = 49$ $1u = 7$ Lily $= 7 \times 3 = 21$ $21 + 49 = 70$ (total now) $100 - 70 = 30$ $30 \div 2 = 15$
Q42	$\$3.45 \times 2 = \$6.90$ $\$1.50 \times 2 = \$3.00$ Total → $(2 \times 3) + 2 = 8$ oranges
Q43	Length → $10 + 20 + 5 = 35$cm Area → $35 \times 20 = 700$cm^2

2

END

ST. HILDA'S PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 2019

PRIMARY 4 MATHEMATICS

BOOKLET A

Total Time for Booklets A and B: 1 hour 45 minutes

Additional Materials: Optical Answer Sheet

Booklet A: 20 Multiple-Choice Questions (40 marks)

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 the questions.

4. Shade your answers in the Optical Answer Sheet provided.

5. The use of a calculator is not allowed.

Name : _____

Index No.: _____ Class : P4 / _____ Date : 30 October 2019

Parent's Signature : _____

This booklet consists of 8 printed pages.

Questions **1** to **20** 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. (40 marks)

1. 65 thousands and 3 tens is the same as_____.

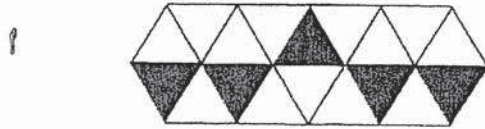   (1) 653
   (2) 6530
   (3) 65 003
   (4) 65 030

2. Which of the following is a factor of both 27 and 60?

   (1) 12
   (2) 9
   (3) 3
   (4) 7

3. How many one-sixths are there in 2 wholes?

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

   (2) 6

   (3) 3

   (4) 12

4. The figure shown below is made up of identical triangles. What fraction of the figure is shaded?

(1) $\dfrac{5}{13}$

(2) $\dfrac{5}{18}$

(3) $\dfrac{13}{18}$

(4) $\dfrac{13}{5}$

5. In which of the following numbers does the digit 6 stand for 6 hundredths?

(1) 114.62
(2) 275.36
(3) 506.87
(4) 613.42

6. Write $3\dfrac{7}{25}$ as a decimal.

(1) 3.725
(2) 3.7
(3) 3.28
(4) 3.25

7. How many lines of symmetry does the figure below have?
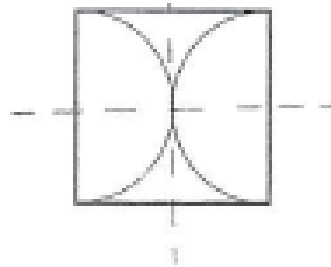
(1) 1
(2) 2
(3) 3
(4) 4

8. In which of the following are the numbers arranged from the greatest to the smallest?

	(greatest)		(smallest)
(1)	41 118,	41 181,	41 811
(2)	41 181,	41 811,	41 118
(3)	41 811,	41 118,	41 181
(4)	41 811,	41 181,	41 118

9. Which of the following numbers when rounded to the nearest ten becomes 41 600?

(1) 41 666
(2) 41 598
(3) 41 606
(4) 41 554

10. 64 is not a multiple of _____.

(1) 6
(2) 2
(3) 8
(4) 4

11. A number when rounded to the nearest tenth is 24.3.
What is the largest possible value of that number?

    (1) 24.25
    (2) 24.29
    (3) 24.34
    (4) 24.39

12. Dorothy's age now is between 1 and 40 and it is a multiple of 4.
Next year, her age will be a multiple of 7.
What is Dorothy's age next year?

    (1) 21
    (2) 27
    (3) 28
    (4) 29

13. At a party, $\frac{1}{4}$ of the children ate chocolate ice-cream, $\frac{3}{8}$ of the children ate vanilla ice-cream. The remaining 18 children ate strawberry ice-cream.
How many children ate chocolate ice-cream?

    (1) 6
    (2) 12
    (3) 30
    (4) 48

14. The perimeter of a square is 36 cm.
What is the area of the square?

    (1) 24 cm²
    (2) 36 cm²
    (3) 81 cm²
    (4) 1296 cm²

15. The figure shown is made up of a square A with side 4 cm and a rectangle B with breadth 5 cm.
What is the area of rectangle B?

8 cm

B

A

5 cm   4 cm
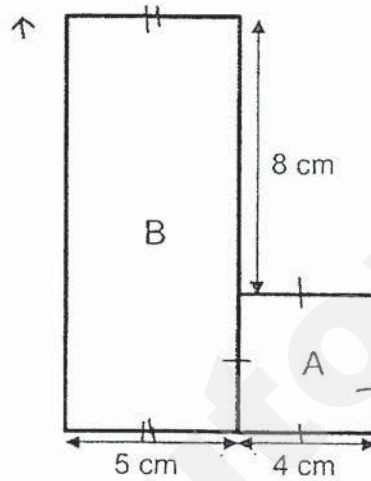
(1)   16 cm²
(2)   40 cm²
(3)   60 cm²
(4)   76 cm²

16. String A is 31.6 m long.
It is four times as long as String B.
String C is 11.07 m longer than String B.
What is the length of String C?

(1)   18.97 m
(2)   20.53 m
(3)   42.67 m
(4)   137.47 m

17. Use the map below to answer questions **17** and **18**.

Paul is facing point X.
He turns through an angle of 135° in the anti-clockwise direction.
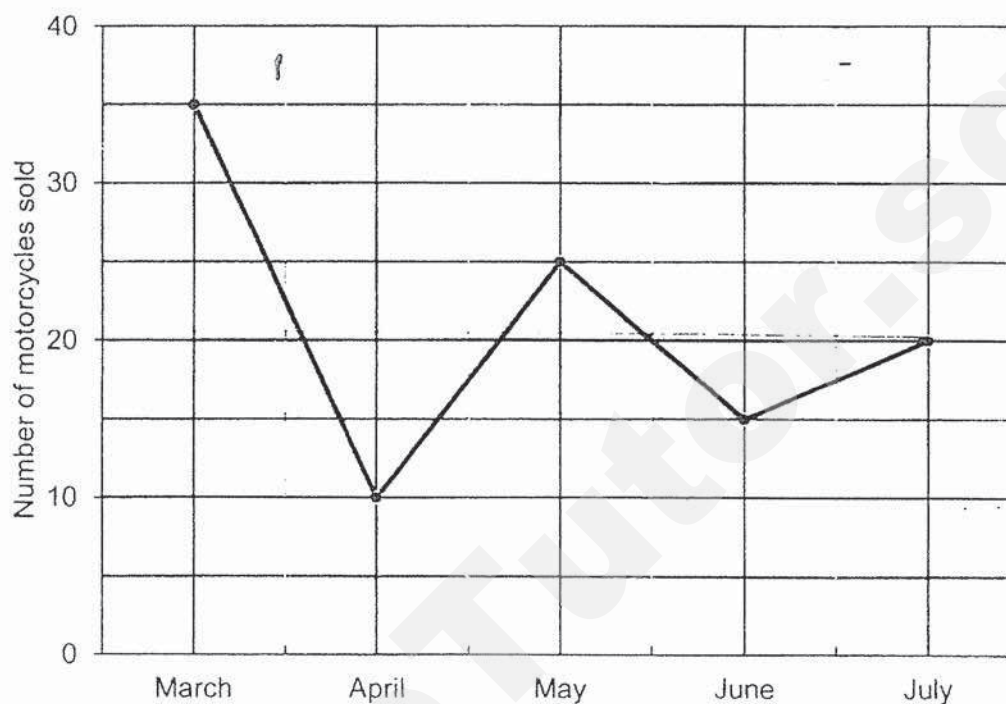Which point is he facing now?
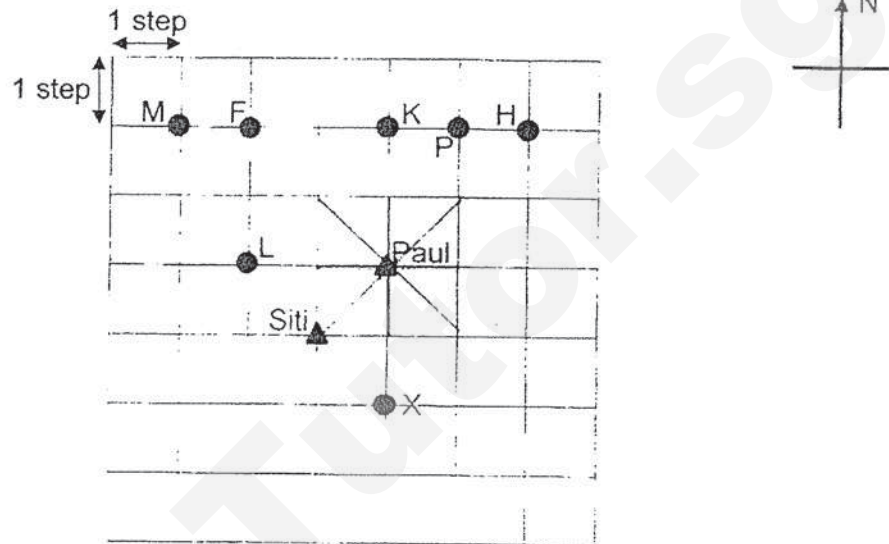
(1) F
(2) H
(3) K
(4) L

18. Siti is at her starting point.
She faces East and walks 2 steps.
She then turns North and walks 3 steps.
Which point is she at now?

(1) F
(2) H
(3) M
(4) P

8

The graph below shows the number of motorcycles sold by Mr Lee from March to July. Study the graph and answer **questions 19 and 20**.

19. How many motorcycles did Mr Lee sell from May to July?

    (1) 50
    (2) 60
    (3) 70
    (4) 105

20. Mr Lee sold 19 fewer motorcycles in February than in March, how many motorcycles did he sell in February?

    (1) 16
    (2) 24
    (3) 26
    (4) 54

END OF BOOKLET A
Proceed to Booklet B

ST. HILDA'S PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 2019

| Booklet B |

PRIMARY 4 MATHEMATICS

BOOKLET B

Total Time for Booklets A and B: 1 hour 45 minutes

Booklet B: 20 Short Answer Questions (40 marks)
5 Long Answer Questions (20 marks)

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 the questions.

4. Write your answers in this booklet.

5. The use of a calculator is not allowed.

Name : _____

Index No.: _____ Class :P4/ _____ Date: <u>30 October 2019</u>

Booklet A	/ 40
Booklet B	/ 60
TOTAL	/ 100

Parent's Signature : _____

Date : _____

This booklet consists of 13 printed pages.

Questions **21** to **40** 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.   (40 marks)

21. What is the missing number in the number pattern below?

    4649 , 4799 . 4949 , _____ , 5249

    Ans: _____

22. Some of the factors of 18 are 1. 2. 3 and 18. What are the other two factors of 18?

    Ans: _____ and _____

23. Which two of the fractions below is equivalent to $\frac{1}{2}$?

    $\frac{2}{4}$, $\frac{4}{6}$, $\frac{4}{8}$, $\frac{3}{12}$

    Ans: _____ and _____

24. Arrange the following fractions from the greatest to the smallest.
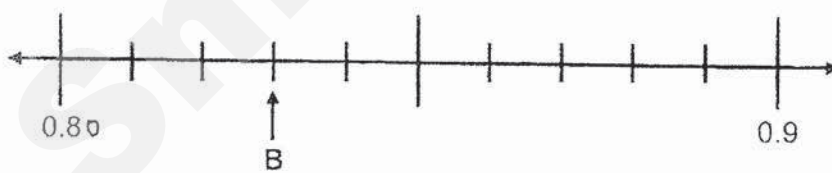
_____ , _____ , _____
(greatest) (smallest)

25. What is the value of $\dfrac{5}{8}$ + $\dfrac{3}{4}$?

Express your answer as a mixed number.

Ans: _____

26. Write the decimal represented by B.

0.80   B   0.9

Ans: _____

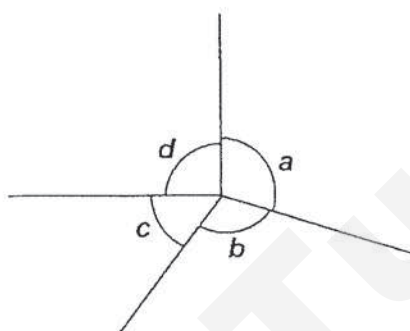**27.** Arrange the following numbers from the smallest to the greatest.

$$0.408 \quad , \quad \frac{2}{5} \quad , \quad 0.048$$

_____ , _____ , _____

(smallest)   (greatest)

28. In the figure below, name the smallest angle.

Ans: ∠ _____

29. PQRS is a square.
Find the value of ∠ x.
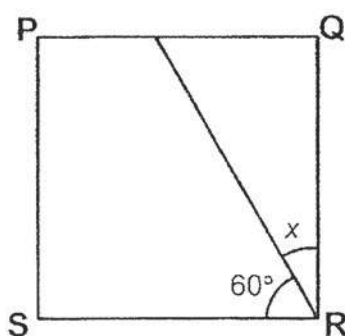
Ans: _____

30. The table below shows the different types of canned drinks bought at a vending machine.

Type of drink	Number of cans
Apple juice	75
Milo	96
Coke	83

How many more cans of Milo than Apple juice are bought?

Ans: _____

---

31. What is the missing number in the box?

$$
\begin{array}{r}
\boxed{} \\
\times \qquad 8 \\
\hline
4\ 1\ 9\ .\ 2
\end{array}
$$

Ans: _____

---

32. At a fruit shop, apples were sold in bags of 6 only and not separately.
Each bag of apples cost $4. Kelly has $19.
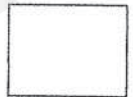What is the greatest number of apples that she can buy?

Ans: _____

33. The perimeter of a rectangle is 56 cm.
    Its length is 16 cm.
    Find the breadth of the rectangle.
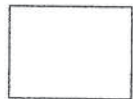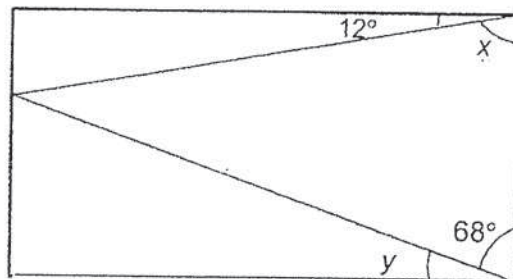
    Ans: _____ cm

34. 3 apples and 1 honeydew cost $7.17.
    2 apples and 1 honeydew cost $6.27.
    What is the cost of 2 apples?

    Ans: _____
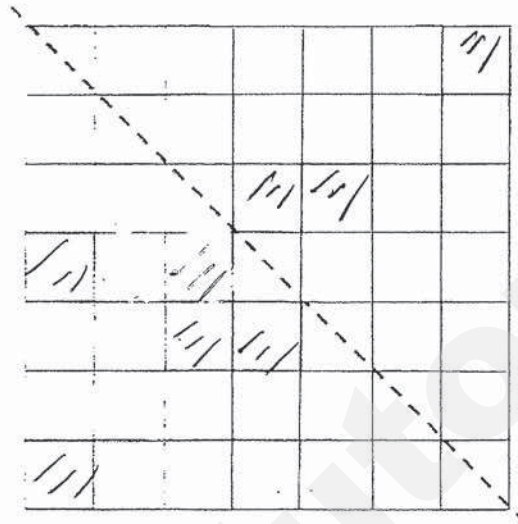
35. The figure below shows a rectangle.
    $\angle x + \angle y = \boxed{}$
    What is the missing number in the box?

    Ans: _____
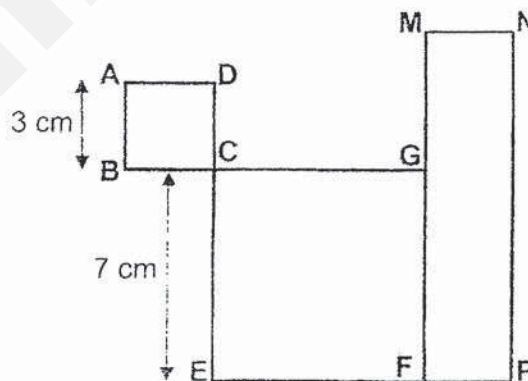
36. Complete the drawing below by shading 2 more squares so that the dotted line is a line of symmetry.

37. ABCD and CEFG are squares and MFPN is a rectangle.
Given that AB = 3 cm, and NP is four times the length of AB, find the length of MG.

3 cm

7 cm

Ans: _____ cm

38. Ali had a rectangular piece of paper ABCD as shown in Figure 1.
He folded the paper to form the shape as shown in Figure 2.
Find the length of AB in Figure 1.

A _____ B

D _____ C

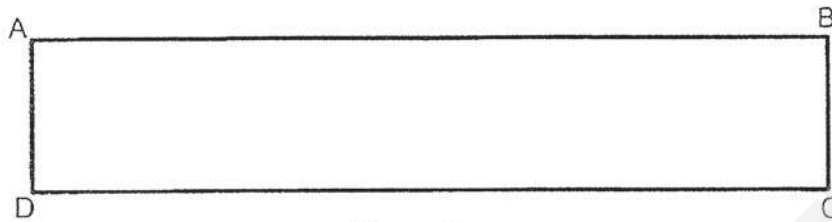**Figure 1**

X ————— 8 cm ————— B
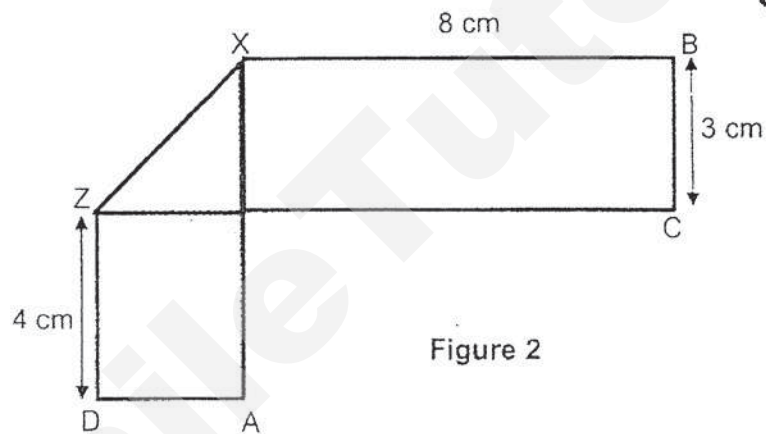
3 cm

Z

C

4 cm

D   A
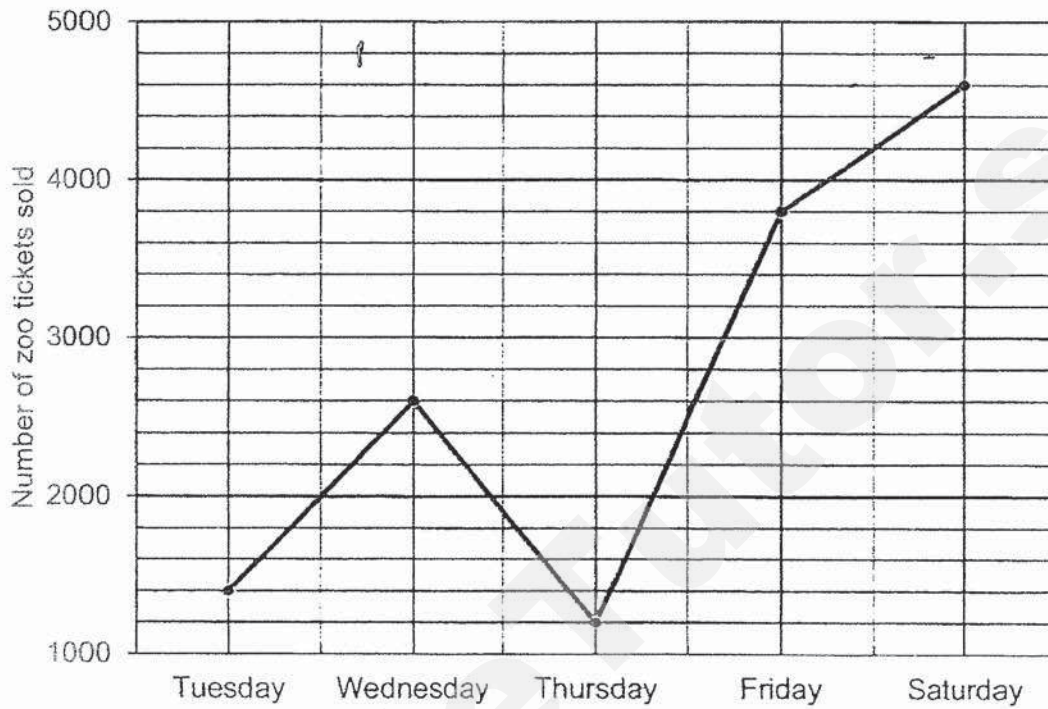
Figure 2

Ans: _____ cm

The line graph below shows the number of zoo tickets sold from Tuesday to Saturday.
Study the graph and answer **questions 39 and 40**.

39. What is the difference between the highest and the lowest number of zoo tickets sold from Tuesday to Saturday?

Ans: _____

40. Between which 2 days did the number of tickets sold increase the greatest?

Ans: _____ to _____

For questions **41** to **45**, 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.

(20 marks)

41. Jill saves $512.
    She saves four times as much as her brother, Tom.,
    How much must she give Tom so that both of them have an equal amount of money?

    Ans: _____ [4]

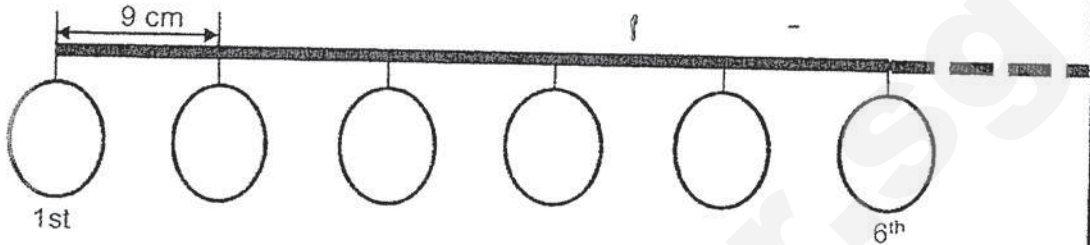42. Peter and Ali shared some stickers equally.
    After Ali bought 46 stickers and Peter gave 112 stickers away. they had 478 stickers left.,
    How many stickers did each of them have at first?

    Ans: _____ [4]

43. Mary had a ribbon of 150.3 cm long. She tied some balloons on the ribbon. Part of the ribbon and balloons were shown as below. Each balloon was 9 cm apart from one another.

(a) What is the length of the ribbon between the 2nd and 10th balloon?
(b) Find the most number of balloons that could be tied on the 150.3 cm of ribbon with balloons at 9 cm apart from one another.

Ans: (a) _____ [2]

(b) _____ [2]

44. Tim had a box of marbles.

$\frac{5}{12}$ of the marbles were blue and the rest were red.
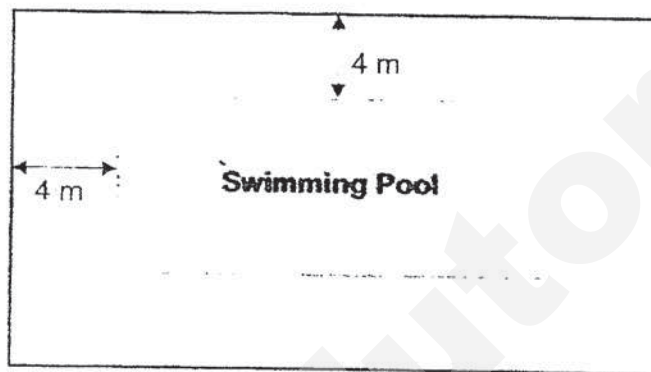
(a) What fraction of the marbles were red?
(b) There were 34 fewer blue marbles than red marbles.
How many marbles were there altogether?

Ans: (a) _____ [2]

(b) _____ [2]

45. A swimming pool measures 18 m by 9 m.
It is surrounded by a path which is 4 m wide as shown below.
What is the area of the path?

Ans: _____ [4]

END OF BOOKLET B

Have you checked your work carefully?

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : ST. HILDA'S PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESSMENT 2

BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	4	2	2	3	2	4	2	1
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	1	2	3	3	1	2	4	2	1

BOOKLET B

Q21. 5099

Q22. 6 and 9

Q23. $\frac{2}{4}$ and $\frac{4}{8}$

Q24. $\frac{3}{4}, \frac{7}{12}, \frac{1}{2}$

Q25. $1\frac{3}{8}$

Q26. 0.83

Q27. 0.048, $\frac{2}{5}$, 0.408

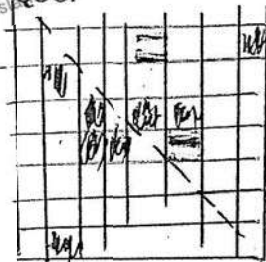Q28. $\angle$ C

Q29. 30°

Q30. 11

Q31. 52.4

Q32. 24

Q33. 12cm

Q34. $1.80

Q35. 100°

Q36.

Q37. 5cm

Q38. 15cm

Q39. 3400

Q40. Thursday to Friday
Q41. $192
Q42. 272 stickers
Q43. (a) 72cm
      (b) 17 balloon
Q44. (a) $\frac{7}{12}$
      (b) 204 marbles
Q45. 280 m²

2019 PRIMARY 4 SEMESTRAL ASSESSMENT 2

Name _____ (   )   Date: 24 October 2019

Class : Primary 4 (   )   Time: 8.00 a.m. - 9.00 c.m.

Parent's Signature : _____   Marks: _____ / 100

MATHEMATICS

PAPER 1

(Booklet A and Booklet B)

Time for Paper 1 is **1 hour**.

Do not open this booklet until you are told
to do so.

Read and follow all instructions carefully.

Answer all questions.

Booklet A	20
Booklet B	40
Total for Paper 1	60

Multiple Choice Questions

Questions **1** to **10** carry 2 marks.

For each question, four options are given. One of them is the correct answer.

Make your choice (1, 2, 3 or 4).
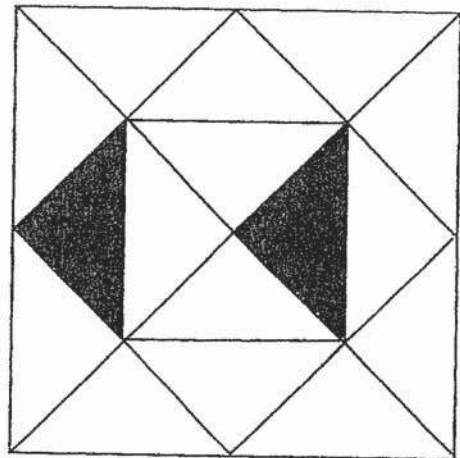
Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)
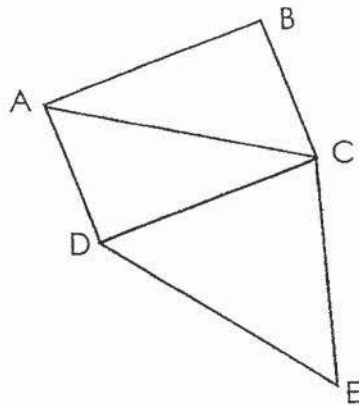
---

1. The value of the digit 3 in 63 415 is _____.

    (1)   30 000

    (2)   3000

    (3)   300

    (4)   30

2. The figure shown is made up of identical triangles.

    What fraction of the figure is shaded?

    (1) $\dfrac{2}{14}$

    (2) $\dfrac{2}{15}$

    (3) $\dfrac{2}{16}$

    (4) $\dfrac{12}{16}$

3. In the figure, which two lines below are perpendicular?

(1) AB and BC

(2) AD and BC

(3) CD and DE

(4) AC and CE

4. 64 is **not** a multiple of _____.

(1) 6

(2) 2

(3) 8

(4) 4

5   Which of the following figures has perpendicular lines?
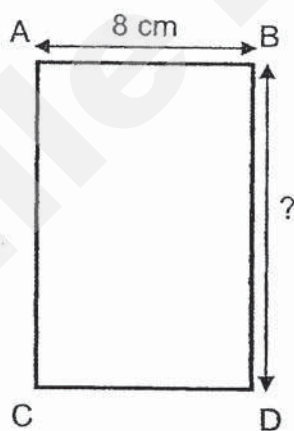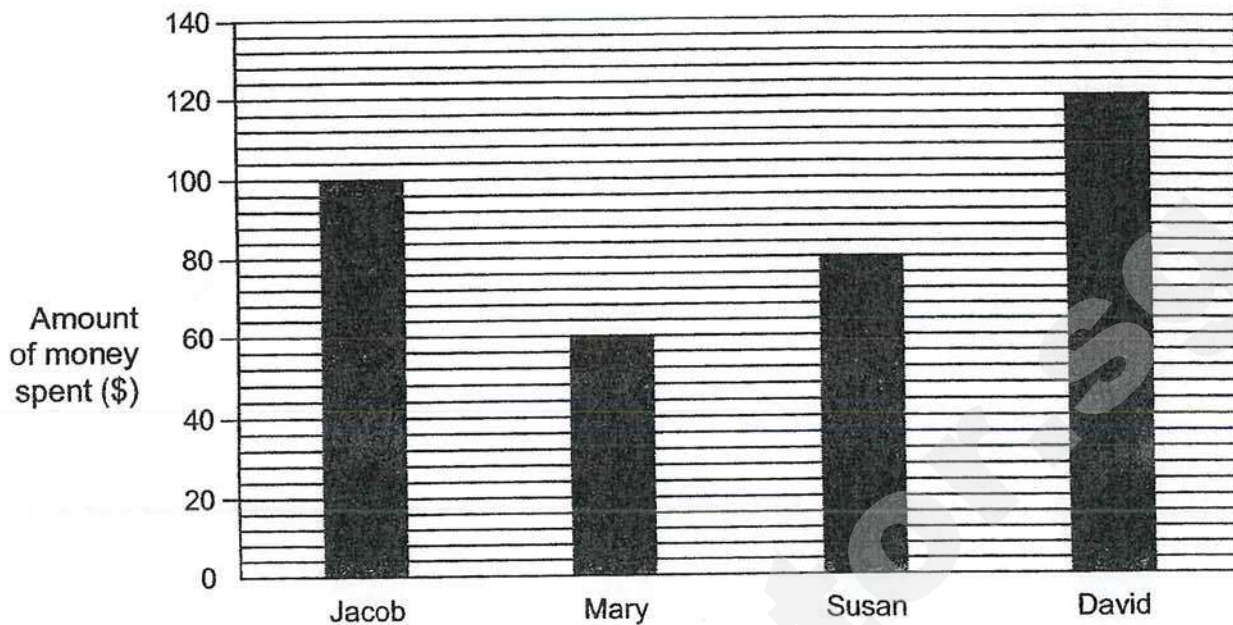
(1) M

(2) A

(3) Z

(4) E

(   )

6.   The perimeter of rectangle ABCD is 40 cm.
Given that AB is 8 cm, find the length of BD.

(1)   5 cm
(2)   12 cm
(3)   16 cm
(4)   32 cm

(   )

7. The bar graph below shows the amount of money spent by 4 children.

Name the child/children who spent more than $80?

(1) Susan

(2) Mary and Susan

(3) Jacob and David

(4) Susan, Jacob and David   (   )

8. Marie had 270 stickers. She gave $\frac{3}{10}$ of her stickers to her sister.
   How many ~~stamps~~ stickers did Marie have left?

(1) 27

(2) 81

(3) 90

(4) 189   (   )

- 4 -

9. Amir had \$30. He used $\frac{2}{5}$ of his money to buy an alarm clock.

   How much money had he left?

   (1) \$6
   (2) \$12
   (3) \$15
   (4) \$18

10. The total mass of 12 cubes and 4 cans is equal to the mass of 4 balls. How many balls weigh as much as 18 cubes and 6 cans?

   (1) 6
   (2) 2
   (3) 3
   (4) 8

Paper 1 (Booklet B)

Short Answer Questions

Questions 11 to 30 carry 2 marks each. Write your answers in the boxes provided. For questions which require units, give your answers in the units stated. (40 marks)

11. Write twenty thousand and ninety-two in figures.

12. Arrange the following numbers from the smallest to the greatest.

    3806 ,   3068 ,   3680

    (smallest)   (greatest)

13. What is the value of $\frac{5}{12} + \frac{3}{4}$?

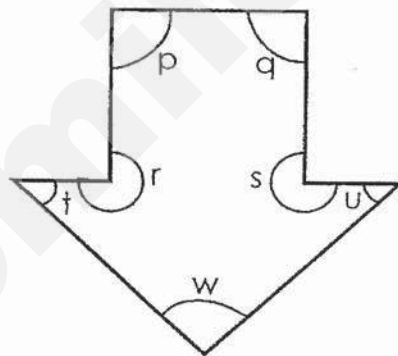   Express your answer as a mixed number in the simplest form.

14. Round 16.55 to the nearest whole number.
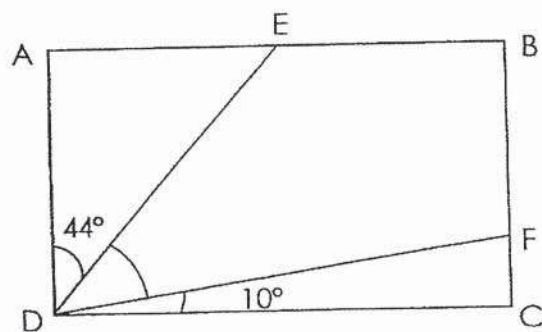
15. $$0.7 = \frac{7}{\boxed{?}}$$

What is the missing number in the box ?

16. Some factors of 32 are 1, 2, 4, and 32.

What are the other two factors of 32?

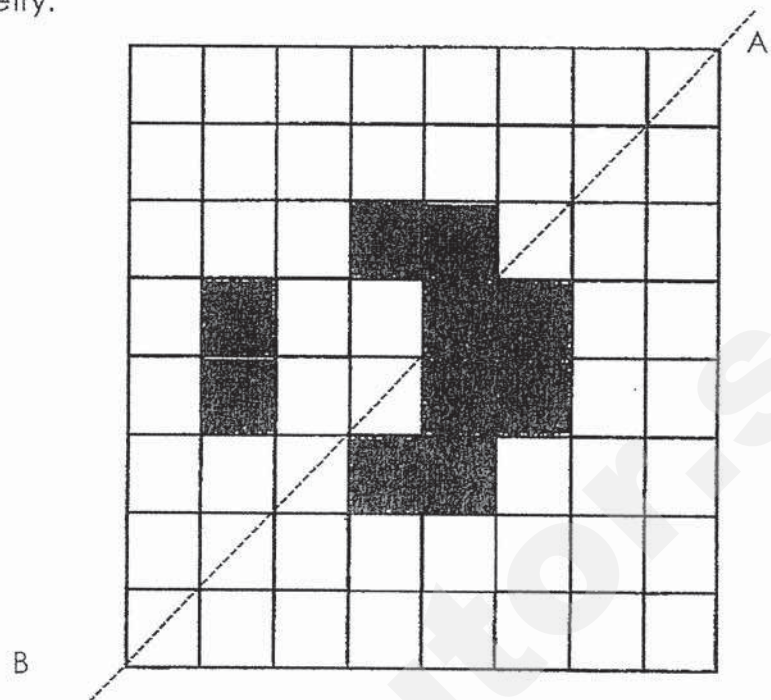17. In the figure below, name the two angles that are smaller than 90°.

$\angle$ _____ and $\angle$ _____

18. In the figure shown, ABCD is a rectangle. Find ∠ FDE.

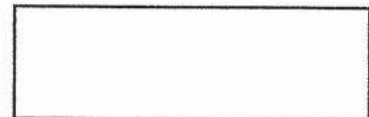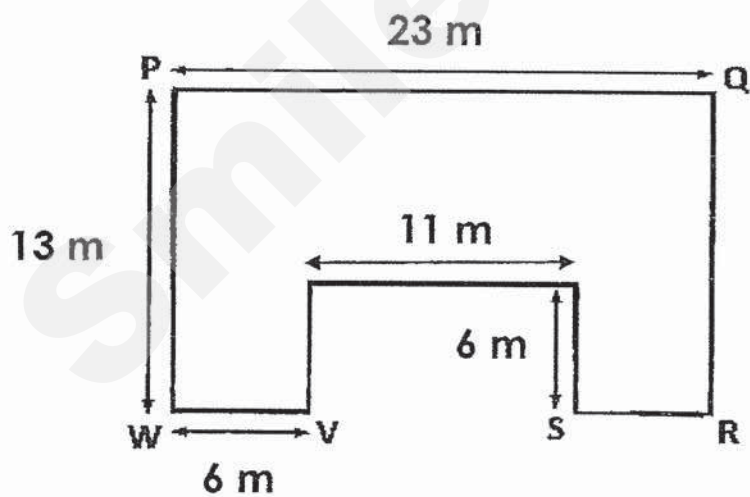19. Measure and write down the size of ∠ x.

- 8 -

20. Colour 5 more squares to complete the figure using Line AB as the line of symmetry.

21. Find the perimeter of the figure below.

22. A baby drinks 0.96 ℓ of milk a day.

How much milk does he drink in 4 days?

Give your answer in mℓ.
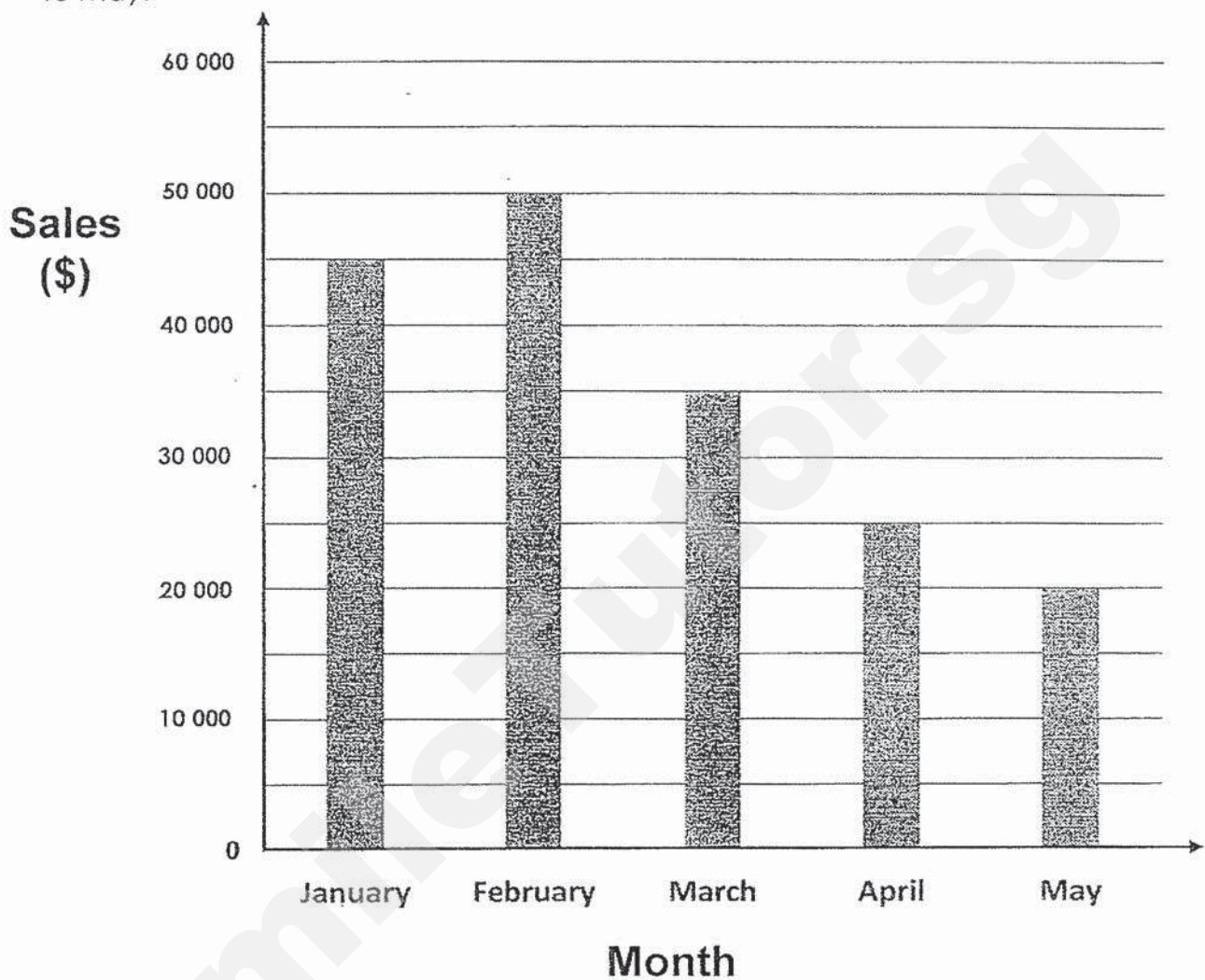
mℓ

23. Hashim needs 7 m of cloth to make some curtains. The cost of 1 m of cloth is $2.50 while 2 m of the same cloth costs $4. What is the least amount of money needed to pay for 7 m of cloth?

$

Use the bar graph below to answer **questions 24 to 26**.

The bar graph shows the monthly sales of computers of a shop from January to May.

24. Complete the table to show the information in the bar graph.

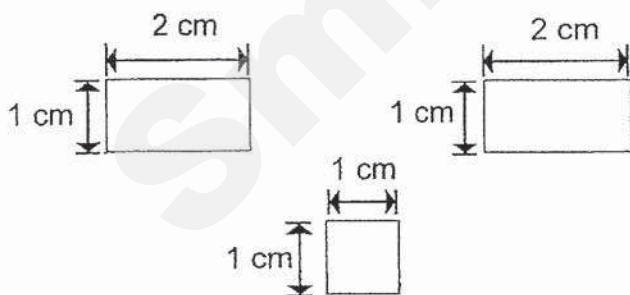| Month	January	February	March
Sales ($)	$	$50 000	$

25. What was the difference in the sales between April and May?

$

26. In which month was the sales twice that of April?

27. I want to form a square of sides 3 cm.

Using all the shapes below, how many more 1-cm squares are needed? (There should be no overlapping of shapes.)

2 cm

1 cm

2 cm

1 cm

1 cm

1 cm

_____ more squares

28. The product of two different numbers is 42.

The sum of the two numbers is 17. What are the two numbers?

_____ and _____

29. Mrs Soong and Mrs Nathan meet each other at the market frequently. Mrs Soong goes to the market every 2 days and Mrs Nathan goes to the market every 3 days. Both of them met at the market on 2nd October. How many more times will they meet at the market in the month of October?

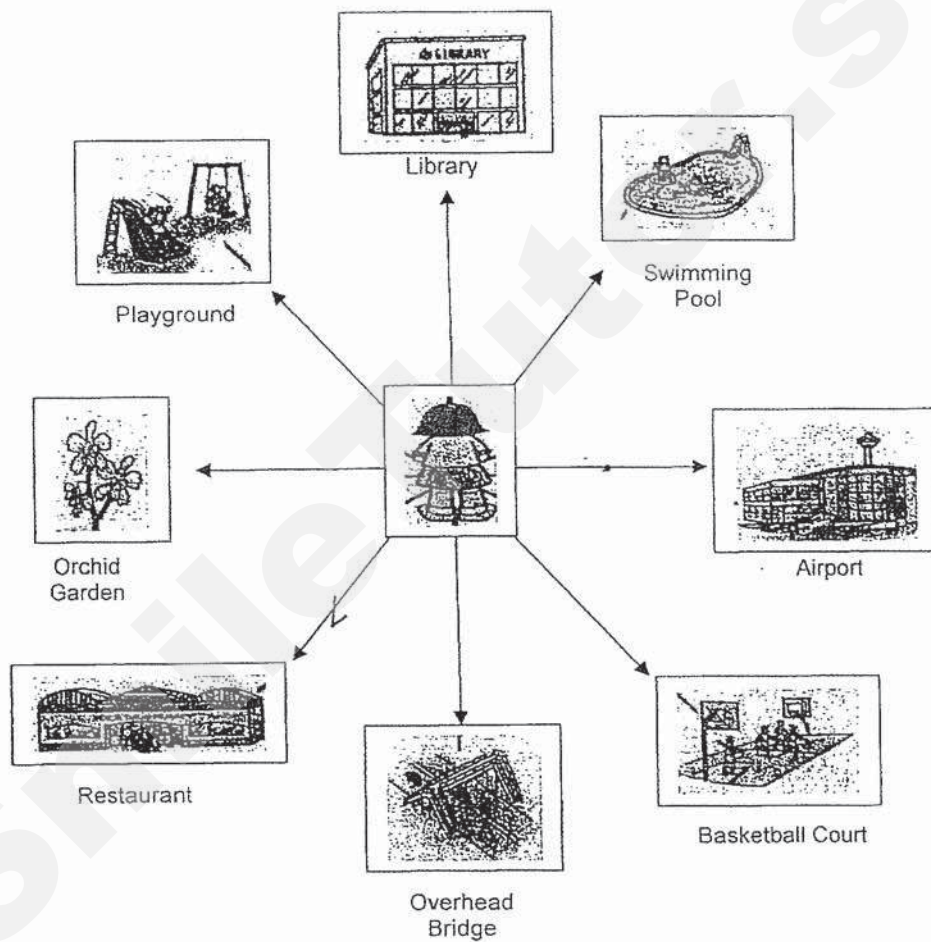| OCTOBER 2019						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- 13 -

30. Janet stands in the middle of an open field and faces the library.

If she makes a $\frac{1}{4}$ – turn in a clockwise direction and then a

[°] turn in an anti-clockwise direction, she will face the

restaurant. How many degrees must she turn in the anti-clockwise direction?

Library

Playground

Swimming Pool

Orchid Garden

Airport

Restaurant

Overhead Bridge

Basketball Court

[°]

°

2019 PRIMARY 4 SEMESTRAL ASSESSMENT 2
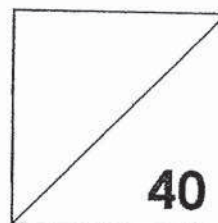
Name. _____ (   )   Date: 24 October 2019

Class: Primary 4 (   )   Time: 11 a.m. – 12 p.m.

Parent's Signature: _____

MATHEMATICS

PAPER 2

40

INSTRUCTIONS TO CANDIDATES

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. . The duration for Paper 2 is 1 hour.

1

Questions 1 to 10 carry 4 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.   (40 marks)

1. Susie packed 154 assorted muffins equally into 8 boxes and had some muffins left. Each box had an equal number of muffins.

   a) How many muffins were there in each box?

   b) How many muffins were left?

   a) There were _____ muffins in each box.

   b) _____ muffins were left.

   Ans: a)_____ (3)

   b)_____(1)

2. Tom bought 3 pens that costs $5.85 each. He gave the cashier $20.

   a) How much change did he receive?
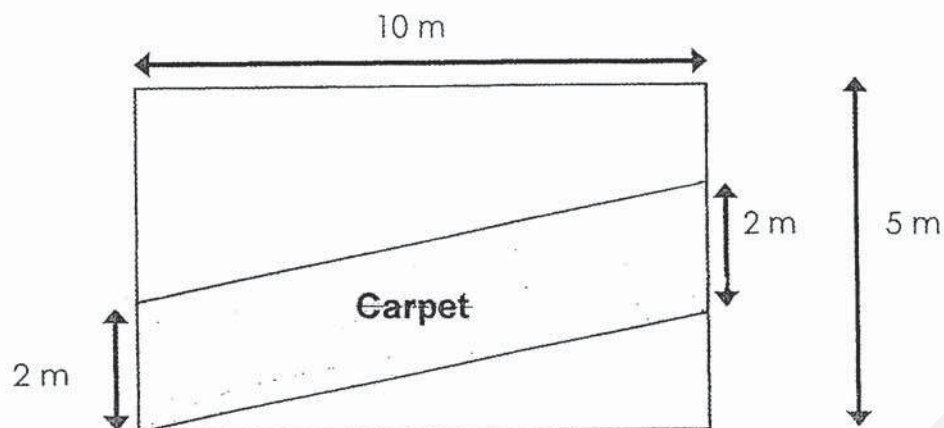
   b) Round your answer to the nearest dollar.

   a) He received _____ change.

   b) The answer when rounded to the nearest dollar is _____.

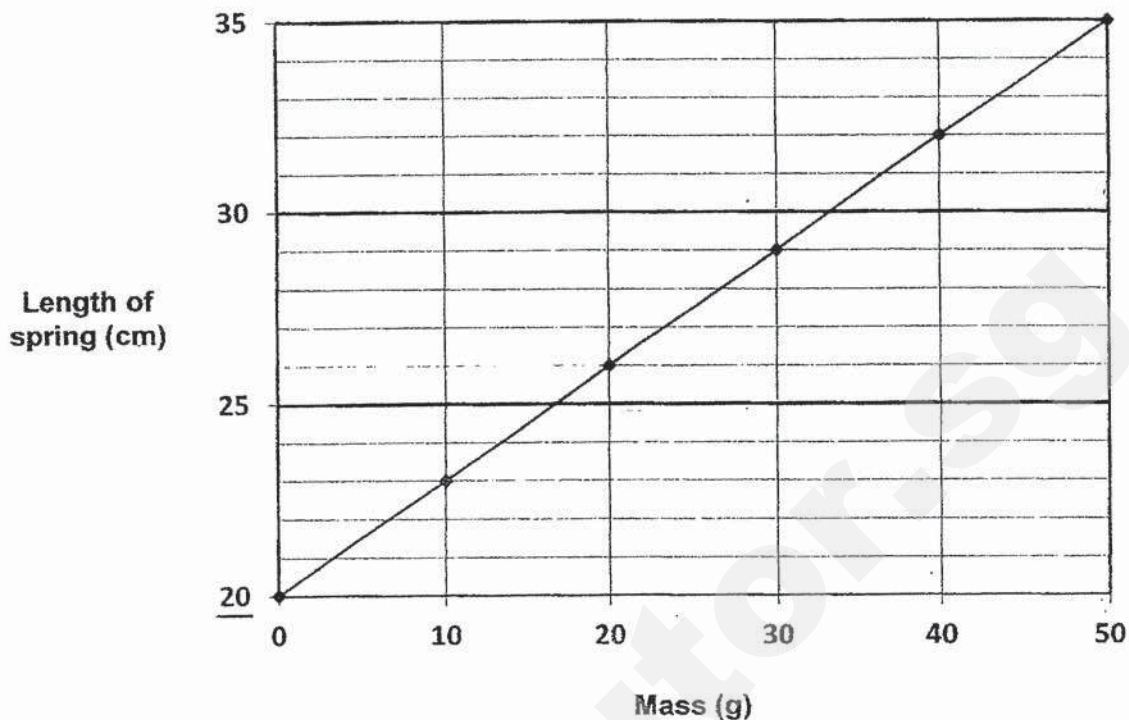   Ans: a)_____ (3)

   b)_____(1)

1

3. A room, not drawn to scale, measures 10 m by 5 m.

A carpet is laid as shown below.

Find the area of the floor **not** covered by the carpet.

The area of the floor not covered by the carpet is _____.

Ans: _____ (4)

_____

2

4. The line graph shows the length of a spring when various masses are hung on it.

a) What is the length of the spring when a 40 g mass is hung on it ?

Ans: a) _____ (1)

b) What is the mass hung on the spring when its length is 26 cm ?

Ans: b) _____ (1)

c) What is the length of the spring when it is not stretched ?

Ans: c) _____ (1)

d) How many centimetres is the spring stretched after a mass of 50 g is hung on it ?

Ans: d) _____ (1)

3

5. Bala started his exercise programme on Monday.

   Each day, he ran 0.48 km more than the day before.

   On Thursday, he ran 3.44 km.

   a) What was the distance Bala ran on the fifth day?

   b) What was the total distance Bala ran from Monday to Thursday?

   a) The distance Bala ran on the fifth day was _____.

   b) The total distance Bala ran from Monday to Thursday was _____.

   Ans: a) _____ (1)

        b) _____ (3)

4

6. A box was filled with 150 table-tennis balls.

$\frac{3}{5}$ of the table-tennis balls were orange, 25 table-tennis balls were white and

the rest were pink.

a) How many table-tennis balls were orange?

b) How many pink table-tennis balls were in the box?

a) _____ table-tennis balls were orange.

b) _____ pink table-tennis balls were in the box.

Ans: a)_____ (2)

b)_____ (2)

_____

7. Bookstore A had 16 240 books for sale. Bookstore B had 9892 books for sale. After the same number of books were sold from each bookstore, the number of books left unsold at Bookstore A was 4 times the number of books left unsold at Bookstore B.

How many books were sold from each bookstore?

_____ books were sold from each bookstore.

Ans:_____(4)

6

8. Mother needed 1 egg and 2 slices of bread to make 1 sandwich.

There were 6 eggs in a tray and 10 slices of bread in a loaf.

Mother made some sandwiches with **no** ingredients left over.

a) Find the **least** number of loaves of bread needed.

b) How many sandwiches did Mother make?

a) The least number of loaves of bread needed is _____.

b) Mother made_____sandwiches.

Ans: a)_____ (2)

b)_____ (2)

9. The total mass of 1 box of oranges and 4 packets of biscuits is 8 kg.

The total mass of 1 box of oranges and 3 packets of biscuits is 7700 g.

What is the mass of 1 box of oranges? Give your answer in kilograms.

biscuits

The mass of 1 box of oranges is _____.
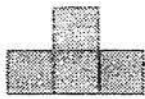
Ans: _____ (4)

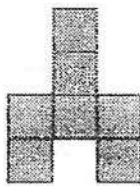10. Study the pattern below.

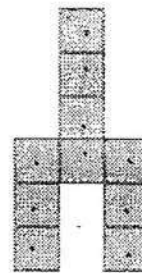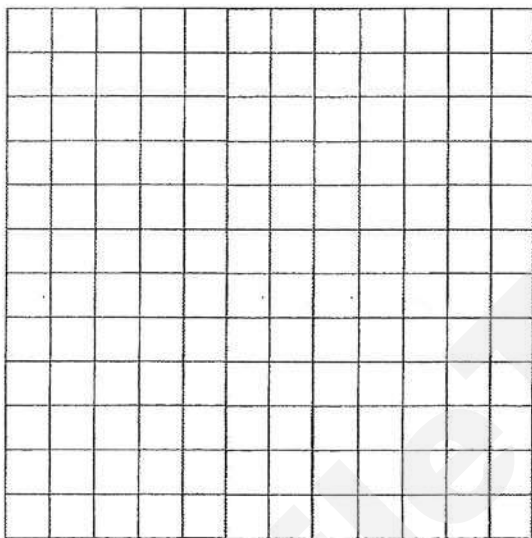| Figure 1 | Figure 2 | Figure 3 |

(a) Draw and shade **Figure 4** in the square grid below. (1)

(c) Which figure has 139 squares?

Figure_____ has 139 squares.

b) How many squares form **Figure 5** ? (1)

Figure	1	2	3	. . .	5
Number of squares	4	7	10		

c) **Figure** _____ (2)

End of Paper 2
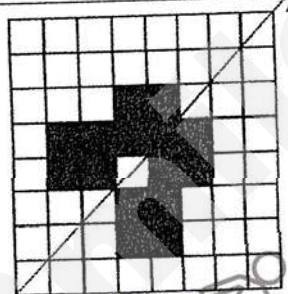
9

ANSWER KEY

YEAR   : 2019
LEVEL   : PRIMARY 4
SCHOOL   : TAO NAN SCHOOL
SUBJECT   : MATHEMATICS
TERM   : SA2

PAPER ONE : BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	1	1	4	2	3	4	4	1

PAPER ONE : BOOKLET B

Q11	20 092
Q12	Smallest [3068 , 3680 , 3806] greatest
Q13	$\frac{5}{12} + \frac{3}{4} = \frac{5}{12} + \frac{9}{12} = 1\frac{1}{6}$
Q14	17
Q15	10
Q16	8 and 16
Q17	<u and <t
Q18	90° – 44° – 10° = 36°
Q19	24°
Q20	
Q21	23 + 13 + 6 + 6 + 11 + 6 + 6 + 13 = 84m
Q22	0.96*l* = 960*ml* 960 x 4 = 3840*ml*
Q23	7 ÷ 2 = 3 R 1 3 x $4 = $12 1 x $2.50 = $2.50 12 + 2.50 = $14.50

Q24	Month	January	February	March	
	Sales ($)	$45 000	$50 000	$35 000	

Q25	25000 – 20000 = $5000
Q26	25000 x 2 = $50000 **Answer : February**

1

Q27	4 more squares.
Q28	3 x 14 = 42
	3 + 14 = 17
	Answer: 3 and 14
Q29	4 more times
Q30	225°

ANSWER KEY

Q1. (a) 19 muffins
    (b) 2 muffins
Q2. (a) $2.45
    (b) $2
Q3. 30m^2
Q4. (a) 32cm
    (b) 20g
    (c) 20cm
    (d) 15cm
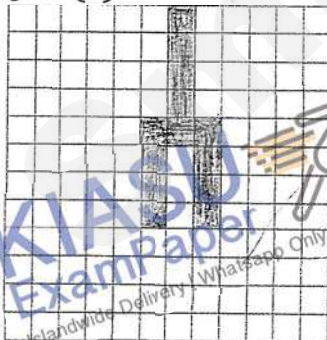Q5. (a) 3.92km
    (b) 10.88km
Q6. (a) 90 table tennis balls
    (b) 35 table tennis balls
Q7. 7776 books
Q8. (a) 6 loaves
    (b) 30 sandwiches
Q9. 6.8kg
Q10. (a)

    (b) 16 squares
    (c) figure 46