Primary Five
Examination Papers

2016

Mathematics

1	**Anglo Chinese School**	**CA1**	**SA1**		**SA2**
2	**Chij St Nicholas Girls' School**	**CA1**	**SA1**		**SA2**
3	**Nan Hua Primary School**	**CA1**	**SA1**		
4	**Nanyang Primary School**	**CA1**	**SA1**		
5	**Pei Hwa Presbyterian Primary School**	**CA1**	**SA1**		**SA2**
6	**Red Swastika School**	**MT**	**SA1**		**SA2**
7	**Rosyth School**	**CA1**	**SA1**	**CA2**	**SA2**
8	**Henry Park Primary School**		**SA1**	**CA2**	**SA2**
9	**Raffles Girls' Primary School**		**SA1**		**SA2**
10	**Tao Nan School**		**SA1**		**SA2**

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Anglo-Chinese School (Junior)

CONTINUAL ASSESSMENT 1 (2016)

PRIMARY 5

MATHEMATICS

Monday **7 March 2016** **1 h 30 min**

Name: _____ ( ) Class: 5 ( ) Parent's Signature: _____

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 Answer ALL questions.

4 You are **not** allowed to use a calculator for this paper.

Section	Possible Marks	Marks Obtained
A	10	
B	15	
C	25	
Total	50	

This question paper consists of 14 printed pages (inclusive of cover page).

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Optical Answer Sheet

1
2
3
4
5
6
7

Section A

Questions **1** to **4** carry 1 mark each. Questions **5** to **7** carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (10 marks)

---

1. What is the value of the digit '3' in 1 234 567?

   1) 3 x 100
   2) 3 x 1 000
   3) 3 x 10 000
   4) 3 x 100 000

2. Find the value of $1 - \frac{1}{4} - \frac{1}{3}$

   1) $\frac{5}{12}$
   2) $\frac{7}{12}$
   3) $\frac{2}{7}$
   4) $\frac{5}{7}$

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3. The table below shows the postage rates of sending parcels by air to China.

Postage Rates (by air) to China	
First 5 kg	Every additional 1 kg or part thereof
$30	$5

Yang Guo sent a 10 kg 600 g parcel to his cousin in China by air. How much did he pay?

1) $55
2) $60
3) $175
4) $180

4. What is the answer when you round off 9.899 to 2 decimal places?

1) 9.80
2) 9.89
3) 9.90
4) 10.00

5. For every 7 pies Chloe baked, she also baked 8 tarts. She baked a total of 105 pies and tarts. How many tarts did Chloe bake?

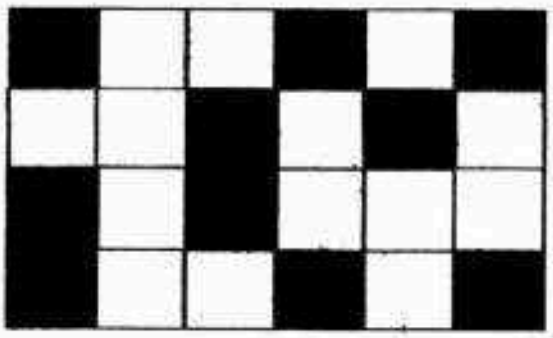
1) 49
2) 56
3) 75
4) 120

Sub-Total :

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6. The figure below is made up of squares. How many more squares must be shaded so that the figure is $\frac{2}{3}$ shaded?



1) 6
2) 8
3) 12
4) 16

7. Sally used a ribbon to tie round a square gift box shown below. She used 28 cm of ribbon to tie the bow at the top of the gift box. What was the total length of ribbon she used for the gift box?



1) 72 cm
2) 96 cm
3) 100 cm
4) 124 cm

Sub-Total :

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Section B

Questions **8** to **12** carry 1 mark each. Questions **13 to 17** 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. (15 marks)

---

8. A number becomes 800 when rounded off to the nearest 100. What is the greatest possible number?

Answer : _____

9. $23 + 280 \div (25 - 21) \times 6 =$ ☐

Answer : _____

10. Find the value of $\frac{7}{12} + \frac{3}{8}$.

Answer : _____

Sub-Total : ☐

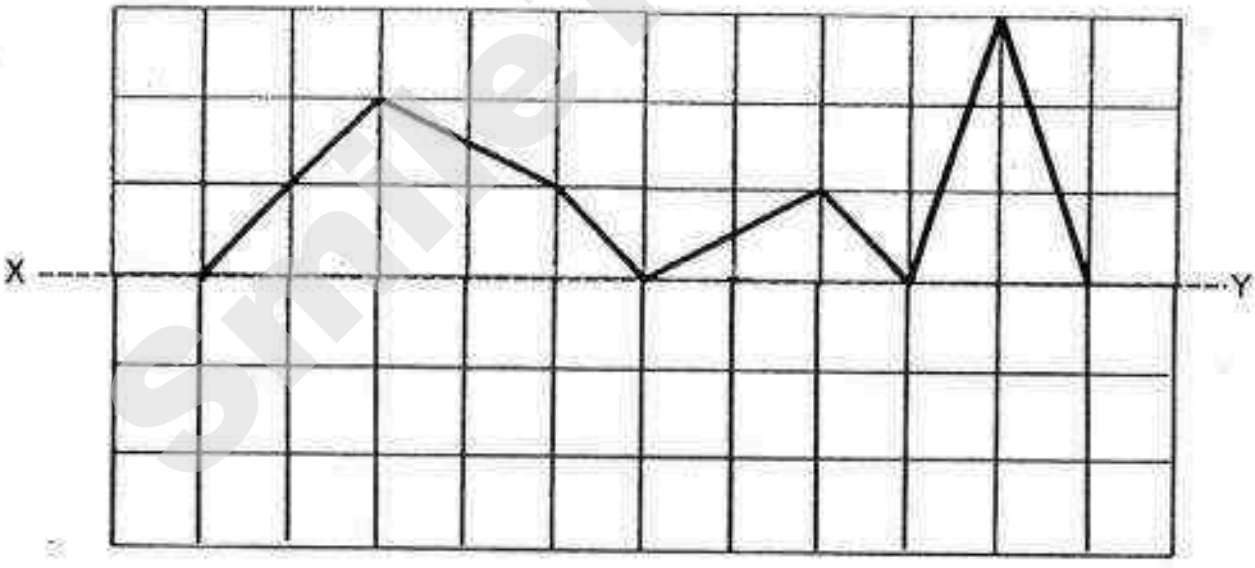
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11. Alfred took 15 min to drive from Singapore to Johor Bahru and 3 h 50 min to drive from Johor Bahru to Malacca. He arrived in Malacca at 18 20. At what time did Alfred start his journey from Singapore?
(Give your answer in the 24-hour clock format)

Answer : _____

12. Complete the following symmetrical figure with XY as the line of symmetry. Draw in the square grid provided.



 Sub-Total : ☐

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13. 10 cones are placed at equal distance apart on a straight line. The distance between the first and last cone is 396 m. What is the distance between the third and eighth cone?

Answer : _____ m

14. A pen cost 4 times as much as a pencil. The pen cost $1.80 more than the pencil. What was the cost of 2 pens?

Answer : $ _____

15. Luke goes to the gym once every 4 days. Han goes to the same gym once every 5 days. Given that they first met in the gym on 2nd January, on which day of January would they meet each other again?

Answer : _____ Jan

Sub-Total : [ ]

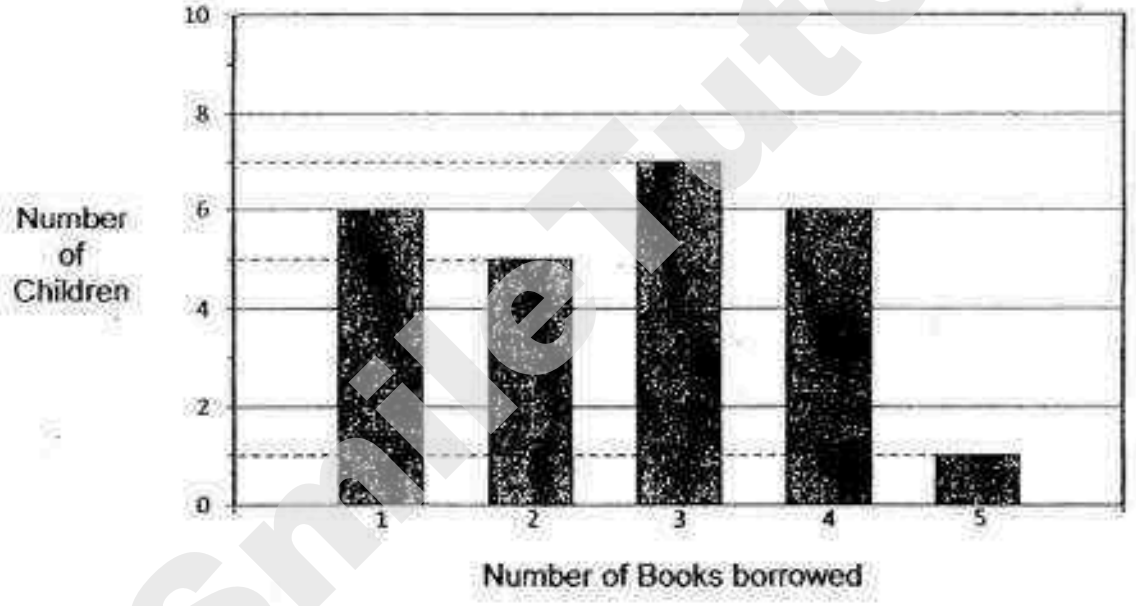
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16. Lisa used $\frac{2}{3}\ell$ detergent to wash her clothes. Hannah used $\frac{3}{5}\ell$ less detergent than Lisa to wash her clothes. How many litres of detergent did they use altogether?

Answer : _____ ℓ

17. The bar graph shows the number of books borrowed from the library by a group of children. How many books were borrowed altogether?



Answer : _____

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Section C

For questions **18** to **24**, 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. (25 marks)

18. Richard had 132 more stamps than Jenny at first. After Jenny gave Richard 45 stamps, Richard had thrice as many stamps as Jenny. Find the number of stamps Jenny had at first.

Answer : _____ [3]

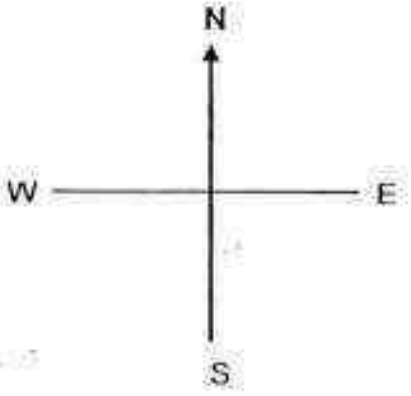
19. Mr Siah bought 9 notebooks of the same kind during a sale. Ms Koh bought 6 such notebooks. She also bought 3 pens at $2.50 each. Altogether, she spent $1.20 more than Mr Siah. What was the amount of money Ms Koh spent?

Answer : _____ [3]

Sub-Total :

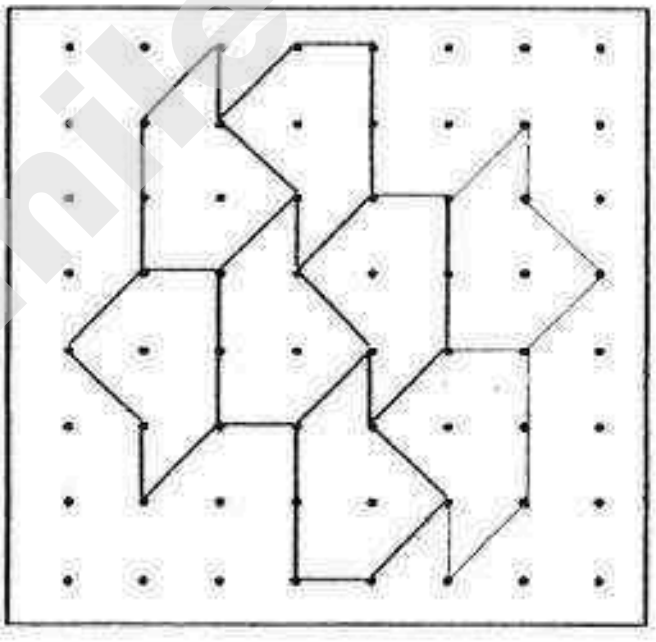
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20. a) If Roy makes a 135° anti-clockwise turn, he will face South-West. Where will Roy face if he makes a 270° clockwise turn from his original position?



Answer: _____ [1]

(b) The pattern in the box shows part of a tessellation. Extend the tessellation by drawing **two** more unit shapes in the space provided in the box. [2]



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21. There are three times as many motorcycles as cars parked in a car park. There are 390 wheels altogether. Given that a car has 4 wheels and a motorcycle has 2 wheels, how many motorcycles are there?

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Answer : _____ [4]

Sub-Total :

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22. Ahmad had 235 marbles more than Carl. Bill had 56 marbles more than Carl. Ahmad had 79 fewer marbles than the total number of marbles Bill and Carl had. How many marbles did the three boys have altogether?

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Answer : _____ [4]

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23. Mr Lim gave $\frac{5}{8}$ of his salary to his wife. He gave $\frac{1}{5}$ of his salary to his four children and left the rest for himself. He had $420 left for himself. Given that his four children received the same amount each, how much did each of his four children receive?

Answer : _____ [4]

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Sub-Total : [ ]

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24. 441 people participated in a marathon. $\frac{7}{9}$ of them were adults and the rest were children. Of the children, $\frac{2}{3}$ of the boys completed the marathon while $\frac{1}{2}$ of the girls completed the marathon. The number of boys who completed the marathon was equal to the number of girls who completed the marathon.

(a) How many children participated in the marathon?

(b) How many children did not complete the marathon?

Answer : (a) _____ [1]

(b) _____ [3]

End of Paper

 Sub-Total :

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EXAM PAPER 2016

SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)
SUBJECT : MATHEMATICS
TERM : CA1

PAPER 1
SECTION A

Q1	Q2	Q3	Q4	Q5	Q6	Q7
3	1	2	3	2	1	4

SECTION B

Q8. 849 Q9.443 Q10. $\frac{23}{24}$ Q11. 14 15 Q12.



Q13.220m Q14. $4.80 Q15. 22nd Jan

Q16. $\frac{11}{15}L$ Q17. 66 books

Q18. 2u = 132 + 45 + 45

= 222

1u = 222 ÷ 2 = 111

J = 111 + 45 = 156 Answer: 156 stamps

Q19. 3 pens = 2.50 X 3

= 7.50

3 notebooks = 7.50 – 1.20

= 6.30

1 notebooks = 2.10 X 9 = 18.90 Ms Koh = 18.90 + 1.20 + 20.10 Answer: $20.10

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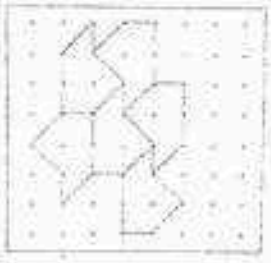
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Q20(a) West

Q20(b)



Q21.

M → 3u X 2 = 6u

C → 1u X 4 = 4u 10 u

10u = 390

1u = 390 ÷ 10

= 39

Motorcycles = 39 X 3

= 117 Answer: 117 motorcycles

Q22.

Bill = 235 + 79

= 314

Carl = 314 – 56

= 258

Total = (258 X 3) + 235 + 56

= 1065 Answer: 1065

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Q23. Left = $1 - \frac{5}{8} - \frac{1}{5} - \frac{25}{40} - \frac{8}{40}$

$= \frac{7}{40}$

$\frac{7}{40} = \$420$

$\frac{1}{40} = \$420 \div 7$

$= 60$

$\frac{8}{40} = 60 \times 8$

$= 480$

1 child = $480 \div 4$ Answer: $120

Q24(a) $\frac{1}{9} = 441 \div 9$

$= 49$

Children = 49×2

$= 98$ Answer: 98 children

(b) $7u = 98$

$1u = 14$

$3u = 3 \times 14$

$= 42$ Answer: 42 children

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6

Name: _____( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Continual Assessment One

Paper 1

Booklet A

1 March 2016

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 50 MINUTES

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

---

1. In 4 629 018, which digit is in the ten thousands place?

   1) 6

   2) 2

   3) 9

   4) 4

2. In 9 586 730, the value of the digit 9 is _____.

   1) 9 x 1000

   2) 9 x 10 000

   3) 9 x 100 000

   4) 9 x 1 000 000

3. Express $1\frac{7}{20}$ as a decimal.

   1) 1.72

   2) 1.70

   3) 1.35

   4) 1.27

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4. A television set costs $2549. Round off this cost to the nearest hundred dollars.

1) $2000

2) $2500

3) $2600

4) $3000

5. 3 tens, 1 tenth and 5 thousandths is _____.

1) 30.15

2) 30.105

3) 3.15

4) 3.105

6. In 7 368 721, what is the sum of the values of the digits 7?

1) 700

2) 700 700

3) 7 000 000

4) 7 000 700

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7. Arrange the following decimals from the largest to the smallest.

1) 6.49, 6.94, 6.409, 6.904

2) 6.94, 6.904, 6.49, 6.409

3) 6.409, 6.49, 6.904, 6.940

4) 6.904, 6.49, 6.409, 6.94

8. When rounded off to the nearest dollar, a carton of mandarin oranges cost $36. Which one of the following could be the actual cost of the carton of mandarin oranges?

1) $35.25

2) $35.85

3) $36.55

4) $36.90

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9. What is the value of 70 - 18 ÷ (2 x 3) + 7?

1) 66

2) 74

3) 190

4) 610

10. Mrs Ong bought some lollipops. $\frac{3}{4}$ of the lollipops were blueberry-flavoured. The remaining 60 lollipops were strawberry-flavoured. How many blueberry-flavoured lollipops did Mrs Ong buy?

1) 45

2) 80

3) 180

4) 240

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

1) $\frac{9}{8}$

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

3) $\frac{8}{7}$

4) $\frac{3}{11}$

12. A group of 3 boys and 7 girls shared a box of cupcakes. Each of them took 4 cupcakes. There were 15 cupcakes left. Which one of the number sentences below shows the total number of cupcakes in the box at first?

1) $3 + 7 \times 4 + 15$

2) $(3 + 7) \times 4 + 15$

3) $3 + 7 \times 4 - 15$

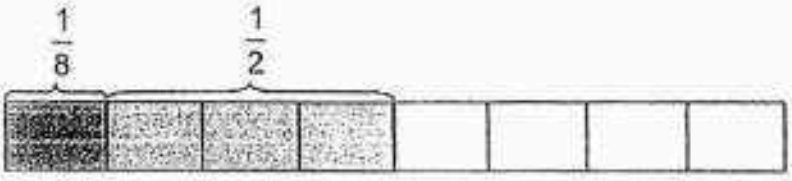
4) $(3 \times 4) + (7 \times 4) - 15$

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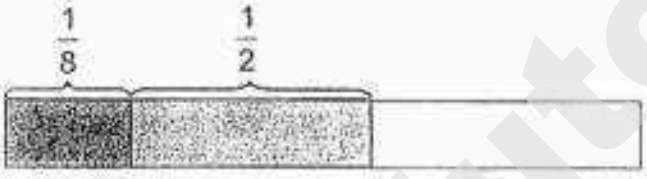
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13. Which model shows the sum of $\frac{1}{8}$ and $\frac{1}{2}$?

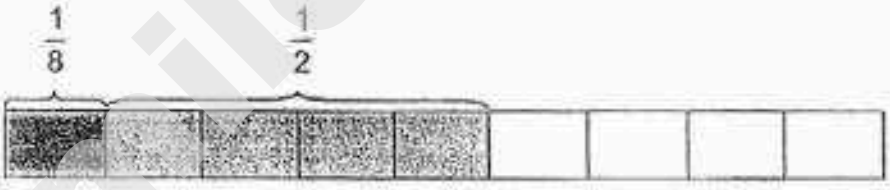
1)



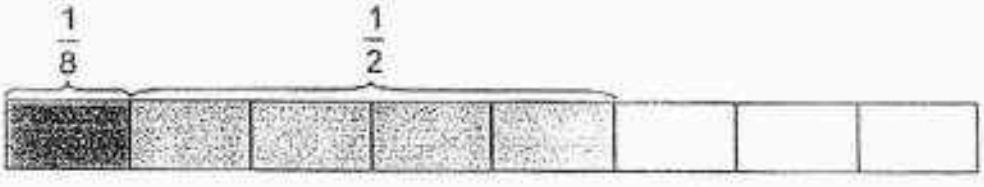
2)



3)



4)



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14. There are 420 visitors at an exhibition. $\frac{5}{6}$ of them are locals. Among the locals, there are 209 non-Chinese. The rest are Chinese. How many of the locals are Chinese?

1) 350

2) 295

3) 141

4) 125

15. Adam and Kelvin are older than Marie. Adam is younger than Violet and Kelvin is older than Violet. List the children from the oldest to the youngest.

1) Kelvin , Violet , Adam , Marie

2) Marie , Adam , Violet , Kelvin

3) Adam , Violet , Marie , Kelvin

4) Kelvin , Adam , Marie , Violet

End of Booklet A

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Name: _____( )

Class: Primary 5_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Continual Assessment One

Paper 1

Booklet B

1 March 2016

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 50 MINUTES

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Questions **16 to 25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

Do not write in this space.

16. Write six million, five hundred and eight thousand in numerals.

Ans : _____

17. Find the value of 123 x 40.

Ans : _____

18. Moira had 3 similar swiss rolls. She ate $\frac{2}{7}$ of a swiss roll. What fraction of the swiss rolls were left?

Ans : _____

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19. Simone had 5 twenty-cent coins and 7 ten-cent coins. What fraction of the coins were ten-cent coins?

Do not write in this space.

Ans : _____

20. Find the value of $\frac{1}{6} + \frac{5}{8}$. Give your answer in its simplest form.

Ans : _____

21. Find the product of 10.13 and 6.

Ans : _____

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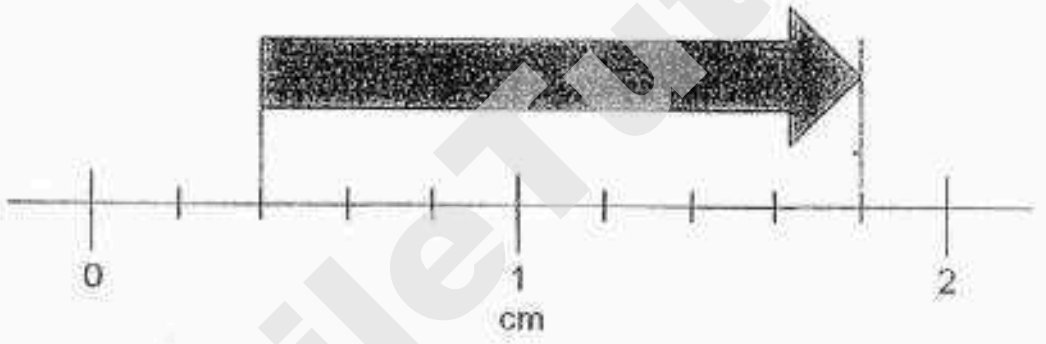
22. What is the missing number in the number pattern below?

25 000 , 24 450 , ? , 23 350 , 22 800

Do not write in this space.

Ans : _____

23. What is the length of the arrow as shown in the figure?



Ans : _____ cm

24. $0.65 = \frac{13}{?}$

What is the missing denominator?

Ans : _____

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Do not write in this space.

25. Study the pattern below.

$$\frac{1}{3} - \frac{1}{4} = \frac{1}{12}$$

$$\frac{1}{4} - \frac{1}{5} = \frac{1}{20}$$

$$\frac{1}{5} - \frac{1}{6} = \frac{1}{30}$$

What is the value of $\frac{1}{29} - \frac{1}{30}$?

Ans : _____

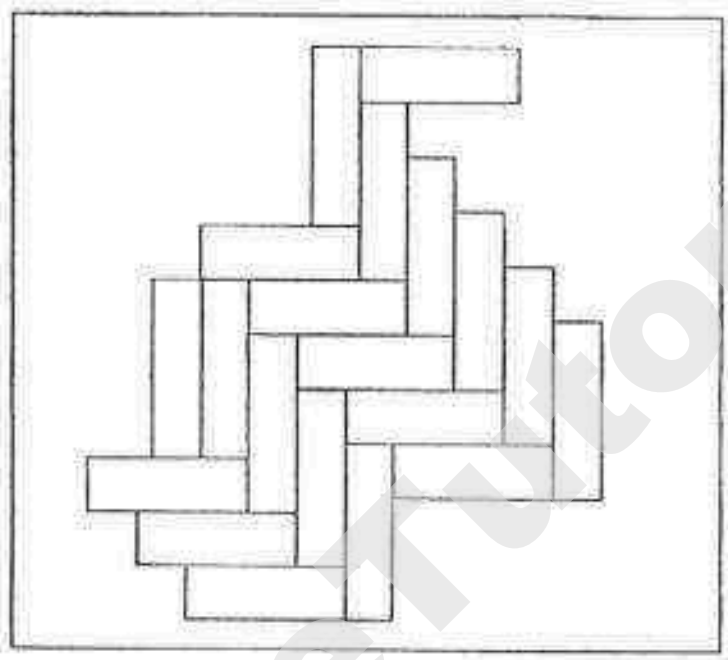
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Questions **26** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

26. In the tessellation shown below, shade the 2 unit shapes that are tessellated incorrectly.



27. When a number is divided by 80, the quotient is 800. What is the quotient when the same number is divided by 20?

Ans : _____

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Do not write in this space.

28. Xin Ling and Wei Ting bought a pack of rice to make sushi. Xin Ling used 1.34 kg of the rice. Wei Ting used 0.5 kg less rice than Xin Ling. How much of the rice did they use altogether?

Ans : _____ kg

29. The table below shows the number of Primary 5 girls participating in various sports for a school event. Each girl participates in only one sports.

Game	Number of girls
Basketball	20
Squash	45
Golf	30
Volleyball	55

$\frac{3}{10}$ of the total number of girls participate in _____.

Ans : _____

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Do not write in this space.

30. Mrs Koh is now 58 years old and Corrine is 28 years old. How many years ago was Mrs Koh 6 times as old as Corrine?

Ans : _____

End of Paper 1

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Name: _____ ( )

Class: Primary 5_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Continual Assessment One

Paper 2

1 March 2016

Paper 1	40
Paper 2	60
Total Marks	100

_____

Parent's/Guardian's Signature

TOTAL TIME FOR PAPER 2 : 1 HOUR 40 MINUTES

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

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1. A total of 476 black and white paper clips were packed into 14 boxes equally. Each box contained 13 black paper clips. How many white paper clips did the 14 boxes contain altogether?

Ans : _____

2. The table below shows the time taken by 5 swimmers at a competition.

Swimmer	Time taken
Miguel	1 min 9 s
Nestor	64 s
Owen	62 s
Parker	1 min 1 s
Quintus	63 s

Randy was 7 seconds slower than the fastest swimmer. How long did Randy take to complete the competition?

Ans : _____ s

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3. Ugenie's monthly salary was $3905. She saved $\frac{6}{11}$ of it each month. How much did she save in half a year?

Do not write in this space.

Ans : $ _____

4. Keziah read a book from Tuesday to Thursday. Every day, she read 10 more pages than the day before. She read 84 pages on Thursday. How many pages of the book did Keziah read from Tuesday to Thursday altogether?

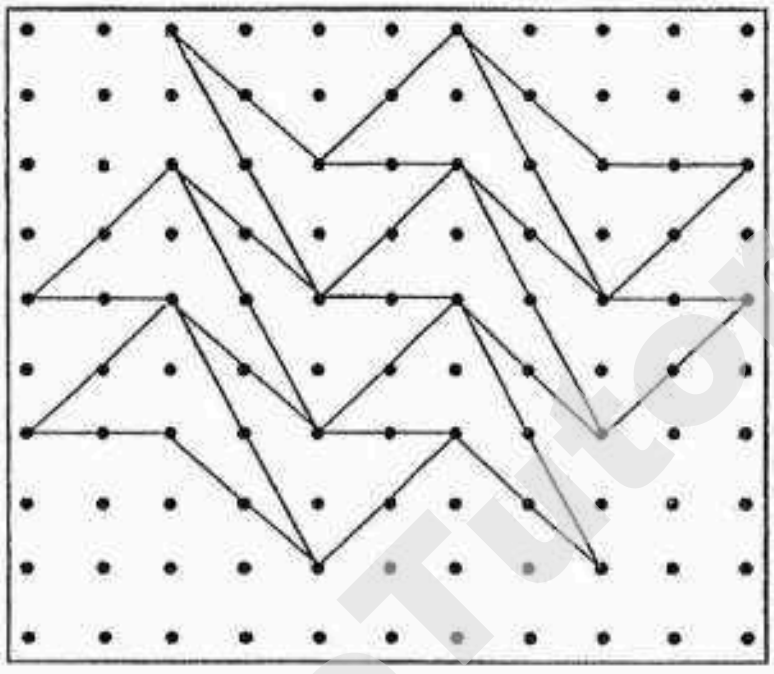
Ans : _____

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5. The pattern in the box below shows part of a tessellation. Extend the tessellation by drawing two more unit shapes in the space provided in the box.

Do not write in this space.



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For questions **6** to **18**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets ( ) at the end of each question or part-question. (50 marks)

Do not write in this space.

6. Harrison has $209 more than Marx and $315 less than Jacques. Marx and Jacques have a total amount of $2998. How much money does Harrison have?

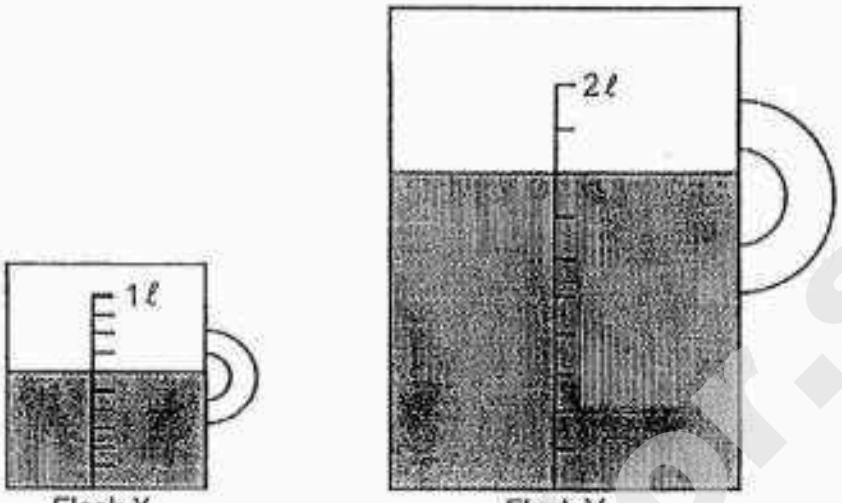
Ans: _____ (3 m)

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Do not write in this space.

7. At first, Flask X and Flask Y contained water as shown below.



Some water from Flask Y was poured into Flask X with no water spilling over. In the end, there was as much water in Flask X as in Flask Y. How much water was poured from Flask Y into Flask X?

Ans : _____ (3 m)

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8. Fermont spent $\frac{1}{10}$ of his bonus on a kettle. Then he spent another $322 on a toaster. He had $560 left. How much did Fermont spend on the kettle?

Do not write in this space.

Ans : _____ (3 m)

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9. Lycea had some beads. She used $\frac{1}{8}$ of the beads on Saturday and $\frac{1}{4}$ on Sunday. Then her aunt gave her the same number of beads as what she had left. Lycea had a total of 1470 beads in the end. How many beads did her aunt give her?

Do not write in this space.

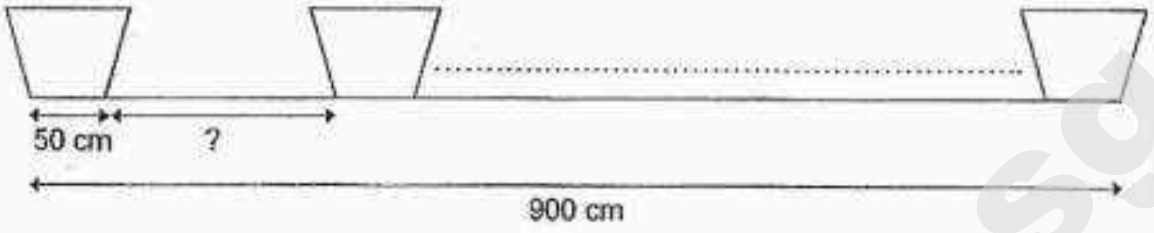
Ans : _____ (3 m)

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10. 6 similar flower pots with a base of 50 cm each, are placed from one end to the other end of a corridor at an equal distance apart, as shown in the figure. The total length of the corridor is 900 cm. What is the spacing between each flower pot?

Do not write in this space.



Ans : _____ (3 m)

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11. A box filled with 200 similar thermometers has a total mass of 37 kg. The same box filled with 120 such thermometers has a total mass of 23.8 kg. What is the mass of the empty box?

Do not write in this space.

Ans : _____ (4 m)

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12. There were some orange and blue markers in a box. The number of orange markers was $\frac{2}{9}$ of the total number of markers. There were 1080 fewer orange markers than blue markers. $\frac{1}{3}$ of the orange markers had dried up. How many orange markers had dried up?

Do not write in this space.

Ans : _____ (4 m)

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13. The table below shows the charges at a carpark of Good Bargain Shopping Mall.

First hour	$3.50
Every additional $\frac{1}{2}$ hour or part thereof	$2.50

Mrs Hong parked her van at Good Bargain Shopping Mall from 3 p.m. to 8.45 p.m.
How much did she have to pay altogether?

Do not write in this space.

Ans : _____ (4 m)

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14. Mr Seeto wanted to buy 41 toys for his class. Every toy cost the same amount of money. However, he realized that he was short of $16. He bought 19 toys and had $50 left. How much money did he have actually?

Do not write in this space.

Ans : _____ (4 m)

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15. Dwayne attended a talk. In the auditorium, he was led to the fifth row from the stage. There were 17 seats to his left and 10 seats to his right. There were 30 rows behind Dwayne. Every row had the same number of seats. What is the total number of seats in the auditorium?

Do not write in this space.

Ans : _____ (4 m)

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16. There were some pears, guavas and mangoes. The number of pears was three times of the number of guavas. The total number of pears and guavas was half of the number of mangoes. There were 180 fruits altogether.

Do not write in this space.

(a) What fraction of the fruits were mangoes? Give your answer in its simplest form

(b) All the mangoes were sold at 6 for $20. How much money was collected from the sale of the mangoes?

Ans : (a) _____ (1 m)

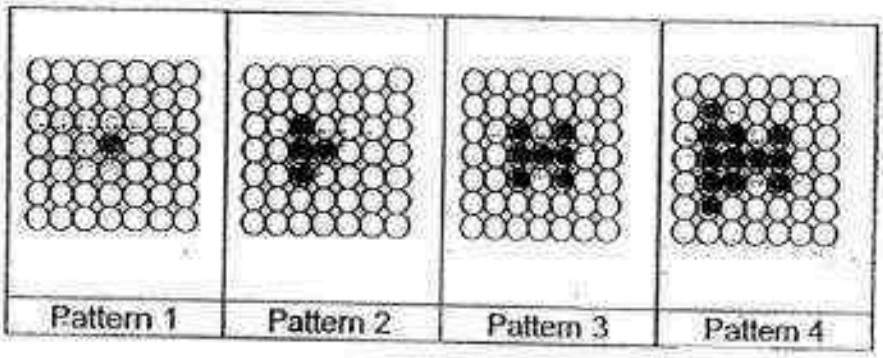
(b) _____ (4 m)

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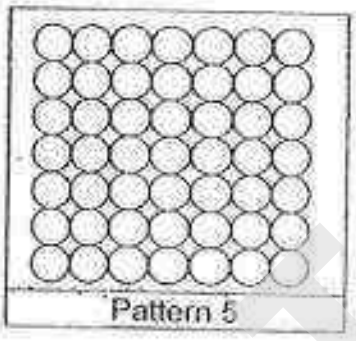
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17. The following patterns can be made by shading some circles. Study them carefully.

Do not write in this space.



(a) Shade the circles to show what Pattern 5 will look like. (2 m)



(b) If this pattern were to continue, how many circles must be shaded in Pattern 11?

Ans : (b) _____ (3 m)

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18. Yummy Café was having a special promotion for children's meals.

Do not write in this space.

SPECIAL PROMOTION!

Order 3 sets of children's meal & receive

1 set of children's meal free!!!

Mrs Julia wanted to invite 30 children to a party at Yummy Cafe. Each set of children's meal cost $10.75. What was the minimum amount that Mrs Julia had to pay for the 30 children?

Ans : _____ (5 m)

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EXAM PAPER 2016 (P5)

SCHOOL : CHIJ

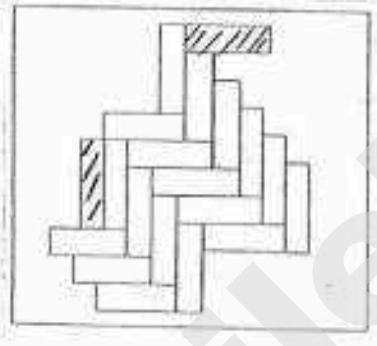
SUBJECT : MATHEMATICS

TERM : CA1

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

16)650 8000 17)4920 18)2s/7 19)7/12 20)19/24

21)60.78 22)23900 23)1.4CM 24)20 25)1/870

26) 

27)3200 28)2.18KG

29)Squash 30)22

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Paper 2

1)476 ÷ 14 = 34

34 – 13 = 21

21 x 14 = 294

2)1min 1s → 61s

61 +7 = 68s

3)$3905 ÷ 11 = $355

$355 x 6 = $2130

$2130 x 6 =$12780

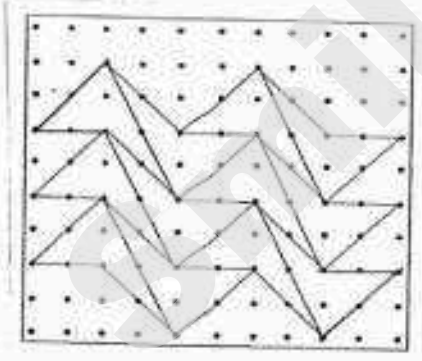
4)Thur → 84

Wed → 84 – 10 = 74

Tue → 74 – 10 = 64

84 + 74 + 64 = 222

5)



6)J+M = 2998

209 + 315 = 524

2u → 2998 – 524 = 2474

1u → 2474 ÷ 2 = 1237

H → 1237 + 209 = $1446

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7)1.6L – 0.6L = 1L

1L ÷ 2 = 0.5L

8)9u → 560 + 322 = 882

1u → 882 ÷ 9 = $98

9)10u → 1470

1u → 1470 ÷ 10 = 147

5u → 147 x 5 = 735 beads

10)6 pots → 50 x 6 = 300

900 – 300 = 600

600 ÷ 5 = 120

6 – 1 = 5

Ans: 120cm

11)200 – 120 = 80

37.00 – 23.80 = 13.20

13.20 ÷ 80 = 0.165

0.165 x 120 = 19.80

23.80 – 19.80 = 4kg

12)7u – 2u = 5u

Blue markers → 7u

Orange markers → 2u

1080 → 5u

1u → 1080 ÷ 5 = 216

Orange → 216 x 2 = 432

432 ÷ 3 = 144

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13)1h→$3.50

5 h 45 min – 1h = 4 h 45 min

4 h ÷ ½ h = 8

$3.50 + $2.50 x 10 = $28.50

14)$107

15)17+ 1 + 10 = 28

28 x 35 = 980 seats

16)180 ÷ 12 = 15

15 x 8 = 120

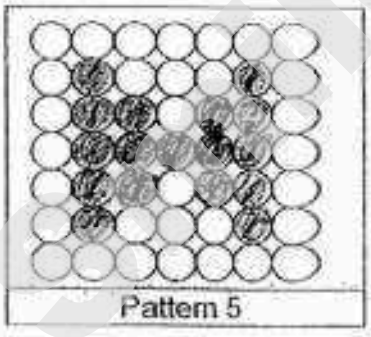
120 ÷ 6 = 20

20 x 20 = 400

a)2/3

b)$400

17)a)



b)12+5+7+7+9+9+11+11=71

18)32.25 x 7 = 225.75

2 x10.75 = 21.50

225.75 + 21.50 = $247.25

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NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2016
PRIMARY 5

MATHEMATICS

Paper 1

Section A: 15 Multiple Choice Questions (20 marks)

Section B: 15 Short Answer Questions (20 marks)

Total Time for Paper 1: 50 minutes

INSTRUCTION TO CANDIDATES

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

Marks Obtained

Paper 1	Booklet A		/ 40
	Booklet B		
Paper 2			/ 60
Total			/ 100

Name : _____ (

Class : 5_____

Date : 2 March 2016

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Section A (20 marks)

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

---

1. Which one of the following has the digit '7' in the hundred thousands place?

   (1) 1 234 759

   (2) 2 167 934

   (3) 3 876 524

   (4) 4 768 912

2. 635 892 = 600 000 + ☐ + 5 000 + 800 + 92

   (1) 2 000

   (2) 3 000

   (3) 20 000

   (4) 30 000

3. A number when rounded to the nearest thousand is 900 000.
   What is the number?

   (1) 899 499

   (2) 899 999

   (3) 900 999

   (4) 901 999

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4. What is the missing number in the box?

$35 \div \square = 0.035 \times 100$

(1) 1

(2) 10

(3) 100

(4) 1000

5. Find the value of $42 - (8 + 20) + 2 + 5$.

(1) 12

(2) 32

(3) 33

(4) 49

6. Which one of the following fractions is the **largest**?

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

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

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

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

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7. Find the value of $\frac{3}{4} + \frac{1}{5}$.

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

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

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

(4) $\frac{19}{20}$

8. Janice spent $\frac{1}{6}$ of her money on a dress and $\frac{1}{3}$ of it on a wallet. What fraction of her money did she spend?

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

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

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

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

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9. The length of a basketball court is about _____.

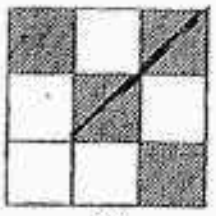
(1) 30 m

(2) 30 cm

(3) 3 m

(4) 3 km

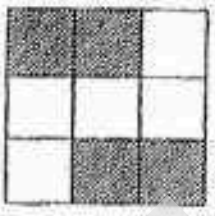
10. Which of the following figures does not have a line of symmetry?



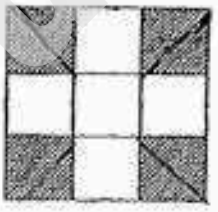
(1)



(2)



(3)



(4)

11. Darren had a sum of money. He spent $\frac{1}{4}$ of the money on a shirt, gave John $\frac{1}{2}$ of it and had $100 left. How much did Darren have at first?

(1) $75

(2) $150

(3) $300

(4) $400

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12. Javier left for his tennis training and his watch showed 7.35 a.m. He took 35 minutes to travel to his tennis training venue. He then realised that his watch was 10 minutes slow. What was the actual time he reached the training venue?

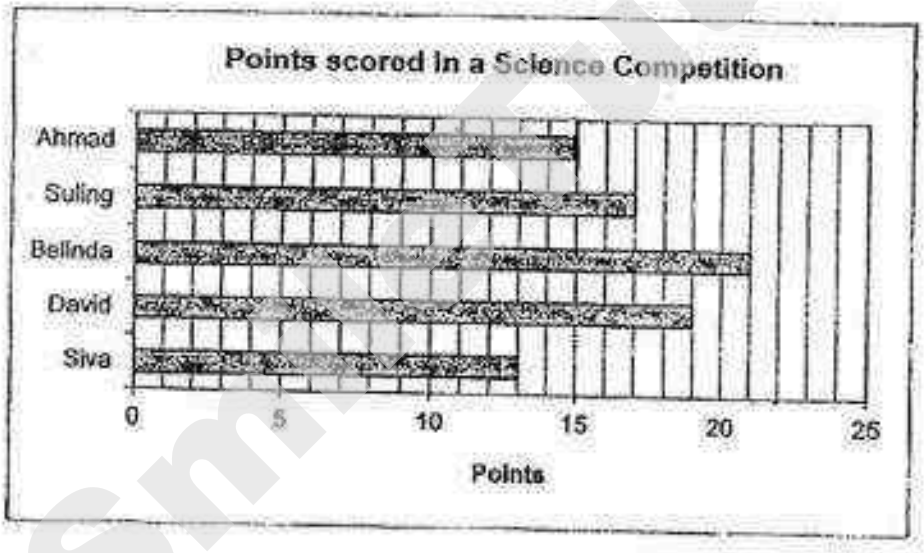
(1) 8.00 a.m.

(2) 8.10 a.m.

(3) 8.20 a.m.

(4) 8.30 a.m.

13. The graph below shows the points scored by pupils who participated in a Science competition. 2 points were awarded for each correct answer and 1 point was awarded for a partially correct answer. What could be the **maximum** number of correct answers given by Belinda?



(1) 10

(2) 11

(3) 20

(4) 21

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14. Ali, Baba and Carl shared some money. The total amount of money Ali and Baba received was $56. The total amount of money Ali and Carl received was $120. Carl's amount of money was twice as much as Ali's amount of money. How much did Baba have?

(1) $16

(2) $24

(3) $40

(4) $80

15. The following pattern is formed using 4 letters, A, B, C and D.

A B C D A A B B C C D D A A A B B B C C C D D D ... ?

1st 24th

What is the 60th letter?

(1) A

(2) B

(3) C

(4) D

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Section B (20 marks)

Questions 16 to 25 carry 1 mark each. Questions 26 to 30 carry 2 marks each. For each question from 26 to 30, show your workings clearly in the space below it and write your answer in the space provided. Give your answers in the units stated.

16. Write five hundred thousand and four in figures.

Ans: _____

17. How many ten thousands are there in 930 000?

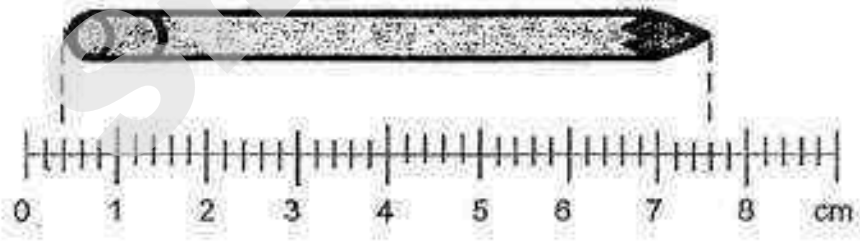
Ans: _____

18. Find the value in the box.

$\square \times 39 + 82 \times 39 = 100 \times 39$

Ans: _____

19. What is the length of the pencil as shown in the figure below?



Ans: _____ cm

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20. Find the sum of all the common multiples of 4 and 6 that are less than 25.

Ans: _____

21. Subtract $\frac{1}{4}$ from $3\frac{1}{8}$.

Express your answer as a mixed number in its simplest form.

Ans: _____

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

$\frac{1}{5} + \square = \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$

Ans: _____

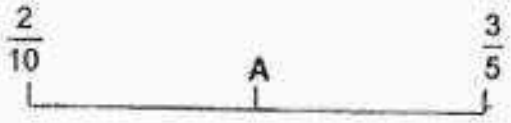
23. Serene opens a book and is looking at the page numbers of the facing pages. The sum of the two numbres is 43. What are the page numbres of the facing pages?

Ans: page_____and page____

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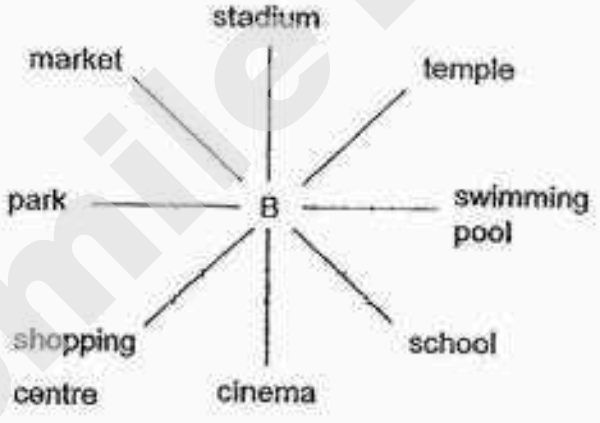
24.



A is exactly midway of $\frac{2}{10}$ and $\frac{3}{5}$.
What is the value of A?
Write your answer in the simplest form.

Ans: _____

25. In the diagram below, Andy is standing at point B facing the park. How many degrees does he need to turn anti-clockwise if he wants to face the temple?



Ans: _____ °

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26. Mary and Jina had $800 altogether. After Mary gave $\frac{1}{5}$ of her money to Jina, both had the same amount of money. How much money did Mary give to Jina?

Ans: $_____

27. Alice mistakenly multiplied 27 by 100 instead of multiplying a given number by 100. If the result was 4500 less than the correct answer, what was the given number?

Ans: _____

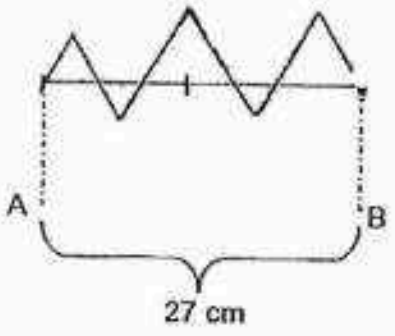
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28. Allan wants to buy a laptop. If he saves $120 a week, he will be able to buy the laptop at the end of 10 weeks. If he wants to buy the laptop in 6 weeks' time, how much must he save each week?

Ans :$ _____

29. David drew 5 different equilateral triangles as shown below. If point A to point B measures 27 cm, find the sum of the perimeters of the 5 triangles.



Ans: _____ cm

30. Jason had some stamps. After giving his brother $\frac{4}{5}$ of his stamps and an additional 5 stamps, Jason had 85 stamps left. How many stamps did Jason have at first?

Ans: _____

--- End of Paper 1 ---

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NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1 – 2016
PRIMARY 5

MATHEMATICS

Paper 2

Total Time for Paper 2: 1 hour 40 minutes

5 Short Answer Questions (10 marks)

13 Structured / Long Answer Questions (50 marks)

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully
4. Answer all questions and show your workings clearly.
5. You are allowed to use a calculator.

Marks Obtained

Total		/ 60

Name : _____(

Class : 5_____

Date : 2 March 2016 Parent's Signature : _____

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Paper 2 (60 marks)

Do not write

Questions 1 to 5 carry 2 marks each. Show your workings clearly in the space below it and write your answer in the space provided. Give your answers in the units stated.

1. Using the number cards provided below, form the greatest 4-digit **odd** number that is **divisible by 9**. Each digit can only be used once.

0	1	2	3	6

Ans: _____

2. A piece of string of length 704 cm was cut into identical pieces. 10 cuts were made on the string to obtain the identical pieces. What is the length of 1 identical piece of string?

Ans: _____ cm

3. Container A contained 250 g of flour and Container B contained 800 g of flour. How much flour must be poured from Container B into Container A so that both containers contained the same amount of flour?

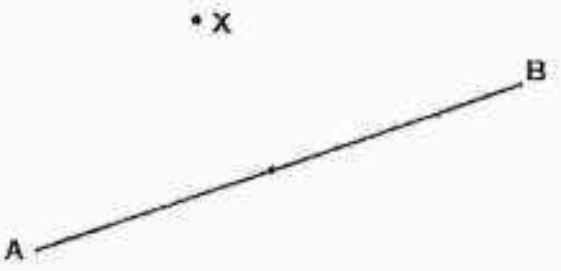
Ans: _____ g

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4. AB is a straight line. Draw a line perpendicular to the line AB through the point X.

Do not write in this space



5. Mr Ong wants to put all 27 boys and all 72 girls into groups for an activity. There are more girls than boys in each group. Each group must have the same number of boys. Each group must also have the same number of girls.
What is the greatest number of groups Mr Ong can form with these conditions?

Ans: _____

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For questions 6 to 18, 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. (50 marks)

Do not write in this space

6. Jane spent $\frac{9}{10}$ of her money on 20 apples and 5 pears.
If 1 apple cost twice as much as a pear, how many pears could Jane buy with the rest of her money?

Ans: _____ [3]

7. Mr Goh is 35 years old. His niece is 30 years younger than he is.
In how many years' time will Mr Goh be thrice as old as his niece?

Ans: _____ [3]

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8. Box A contained 256 marbles. Box B contained 84 marbles. Jack added an equal number of marbles to each box. Now, Box A contained twice as many marbles as Box B. How many marbles did Jack add to each box?

Do not write in this space

Ans: _____ [3]

9. Cathy spent 3 days making some kites for sale. Each day she made 18 kites more than the day before. She made a total of 141 kites. How many kites did she make on the first day?

Ans: _____ [3]

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10. Everyday, ABC Shipping Company will ship 74 vases while XYZ Shipping Company will ship 53 vases. If they have to ship a total of 29 972 vases, how many vases will be shipped by XYZ Shipping Company in total?

Do not write in this space

Ans: _____ [3]

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11. Two different brands of rice are on promotion at a supermarket.

Do not write in this space



BRAND A
Fragrant rice
5 kg at $10.90
per packet



BRAND B
Fragrant rice
10 kg at $21.90
per packet

Special offer for Brand B
Buy 2 get 1 free!

Mrs Neo wants to buy 30 kg of rice. How much will she save if she buys Brand B rice instead of Brand A rice?

Ans: _____ [4]

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12. Mr Lim had delivered 340 parcels to Mr Tan. Mr Tan would have to pay Mr Lim $15 for every parcel safely delivered. Mr Lim would have to pay Mr Tan $48 for every damaged parcel. If Mr Tan paid a total of $3966, how many parcels were damaged?

Do not write in this space

Ans: _____ [4]

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13. Ernest has some marbles.
If he gives each of his friends 53 marbles, he will have no marble left.
If he gives each of them 45 marbles, he will have 32 marbles left.
How many marbles does Ernest have?

Do not write in this space

Ans: _____ [4]

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14. An air purifier cost $360 more than a radio. 4 such radios cost as much as 2 refrigerators. If each refrigerator costs $720, find the cost of 3 air purifiers.

Do not write in this space

Ans: _____ [4]

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15. Jamie spent $\frac{1}{10}$ of her salary on transport and $\frac{1}{5}$ of it on food. She also gave $\frac{1}{2}$ of her salary to her parents. She saved the remaining $480 of her salary.

(a) What fraction of her salary did she save?
(Give your answer in the simplest form.)

(b) How much money did she give her parents?

(c) How much did she spend on food and transport?

Do not write in this space

Ans: a) _____ [1]

b) _____ [2]

c) _____ [1]

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16. Siti had some chickens and ducks. She sold $\frac{1}{2}$ of the chickens and had 300 chickens left. She sold 3 times as many ducks as the chickens. At the end, she had a total of 400 chickens and ducks left.

(a) How many ducks did she sell?

(b) How many ducks did she have at first?

(c) What fraction of the ducks were left?
(Give your answer in the simplest form.)

Do not write in this space

Ans: a)_____ [2]

b)_____ [2]

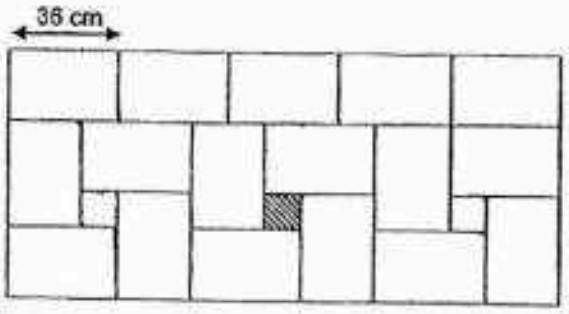
c)_____ [1]

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17. Some identical rectangular tiles are arranged to form a big rectangle as shown below. The length of each tile is 36 cm. Find the area of the shaded part.

Do not write in this space



Ans: _____ [5]

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18. Tina baked 136 cupcakes every day. Five days after Tina started baking, Jen started baking 180 cupcakes each day. How many cupcakes had Tina baked when Jen had baked 508 more cupcakes than Tina?

Do not write in this space

Ans: _____ [5]

--- End of Paper 2 ---

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EXAM PAPER 2016

SCHOOL : NAN HUA PRIMARY SCHOOL

SUBJECT : MATHEMATICS

TERM : CONTINUAL ASSESSMENT 1 2016 – PRIMARY 5

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

Q11	Q12	Q13	Q14	Q15
4	3	1	1	4

16. 500 004
17. 93
18. 18
19. 7.2cm
20. 36
21. $2\frac{7}{8}$
22. $\frac{1}{10}$
23. 21 and 22
24. $\frac{2}{5}$
25. 225
26. $100
27. 72
28. $200
29. 81cm
30. 450

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Paper 2

1. 6201
2. 64cm
3. 275g
4. 

5. 9
6. $40 + 5 = 45$
   9 units = 45
   1 unit = 5
7. Current = 5 : 35
   10 years, 15 : 45
8. $256 - 84 = 172$
   $172 - 84 = 88$
9. $x + (x + 18) + (x + 18 + 18) = 141$
   $3x = 141 - 54$
   $= 87$
   $x = 29$
10. $74 + 53 = 127$
    $29972 \div 127 = 236$
    $236 \times 53 = 12508$
11. $30 \div 5 \times 10.90 = 65.40$
    $65.40 - 21.90 - 21.90 = 21.60$
12. $15x - 48y = 3966$
    $x + y = 340$
    $15(340 - y) - 48y = 3966$
    $63y = 5100 - 3966$
    $y = 18$
13. $53x = 45x + 32$
    $8x = 32$
    $x = 4$
    $53 \times 4 = 212$
14. 1A = 1R + 360
    4R = 2F
    4R = 1440
    R = 360
    A = 720
    3A = 2160
15.
    a. $1 - \frac{1}{10} - \frac{2}{10} - \frac{5}{10} = \frac{2}{10}$
    $= \frac{1}{5}$
    b. $240 \times 5 = 1200$
    c. $240 \times 3 = 720$
16.
    a. $3 \times 300 = 900$
    b. $900 + (400 - 300) = 1000$
    c. $\frac{1}{10}$

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17. $5L = 180$
    $3L + 3B = 180$
    $(L - B) \times (L - B) = ?$
    $3 \times 36 = 108$
    $(180 - 108) \div 3 = 24$
    $(36 - 24)^2 = 144$
18. $136 \times 5 = 680$
    $180x = 680 + 508 + 136x$
    $44x = 1188$
    $x = 27$
    $27 \times 136 + 680 = 4352$

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NANYANG PRIMARY SCHOOL

FIRST CONTINUAL EXAMINATION 2016

PRIMARY 5 MATHEMATICS PAPER 1

DURATION: 50 MINUTES

Booklet A	/ 20
Booklet B	/ 20

Paper 1 Total: / 40

Name: _____ ( )

Class: Primary 5 ( )

Date: 3 March 2016

Parent's Signature: _____

Any query on marks awarded should be raised by **11 March 2016**. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

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ANSWER ALL QUESTIONS.

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PAPER 1 (BOOKLET A)

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

(20 marks)

---

1 Which one of the following has the value of three million, nine hundred and three thousand, two hundred and four in figures?

(1) 3 004 104

(2) 3 390 204

(3) 3 903 204

(4) 3 930 204

2 Find the value of $4500 \times 20 \div 300$.

(1) 300

(2) 30

(3) 3

(4) 0.3

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3 Find the value of $72 + 48 \div 8 - 4 \times 3$.

(1) 33

(2) 66

(3) 76

(4) 80

4 Find the value of $50 - (6 + 18 \div 3) \times 2$.

(1) 26

(2) 2

(3) 36

(4) 52

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5 Find the value of $\frac{5}{9} - \frac{1}{3}$

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

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

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

(4) $\frac{8}{9}$

6 Find the product of $\frac{4}{9}$ and 6.

(1) $\frac{2}{27}$

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

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

(4) $6\frac{4}{9}$

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7 A clockwise $\frac{1}{4}$-turn is equivalent to a/an _____.

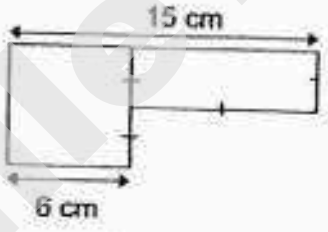
(1) clockwise 45° turn

(2) anti-clockwise 90° turn

(3) clockwise 180° turn

(4) anti-clockwise 270° turn

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



(1) 45 cm^2

(2) 63 cm^2

(3) 81 cm^2

(4) 90 cm^2

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9 Arrange the following decimals in ascending order.

23.106, 23.16, 23.1, 23.016

(1) 23.016, 23.1, 23.106, 23.16

(2) 23.016, 23.16, 23.106, 23.1

(3) 23.1, 23.16, 23.016, 23.106

(4) 23.106, 23.016, 23.16, 23.1

10 Judy bought a cake which weighed 5 kg. She divided the cake into 3 equal pieces. What was the mass of each piece of cake? Give your answer correct to 2 decimal places.

(1) 1.60 kg

(2) 1.66 kg

(3) 1.67 kg

(4) 1.70 kg

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11 Find the product of 437 and 68.

(1) 6118

(2) 29 516

(3) 29 616

(4) 29 716

12 Suhaidah bought $\frac{5}{12}$ kg of flour. Zora bought $\frac{1}{3}$ kg more flour than Suhaidah. How much flour did they buy altogether?

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

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

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

(4) $1\frac{1}{6}$ kg

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13 Kerin was facing north-east after making an anti-clockwise 225° turn.
At which direction was she facing at first?



(1) North

(2) South

(3) East

(4) West

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14 Last year, John completed a race in 41.83 seconds. This year, he completed the same race 4.57 seconds faster. What was John's timing this year? Round off your answer to the nearest second.

(1) 36 seconds

(2) 37 seconds

(3) 38 seconds

(4) 39 seconds

15 Jamie bought 9 bottles of orange juice. Each bottle contained 1.35 *l* of juice. Jamie then poured the juice equally into 5 jugs. How much orange juice was there in each jug?

(1) 0.27 *l*

(2) 0.75 *l*

(3) 2.35 *l*

(4) 2.43 *l*

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PAPER 1 (BOOKLET B)

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

16 Find the value of 240 × 25.

Ans: _____

---

17 Write down all the common factors of 16 and 28.

Ans: _____

---

18 Express $8\frac{2}{7}$ as an improper fraction.

Ans: _____

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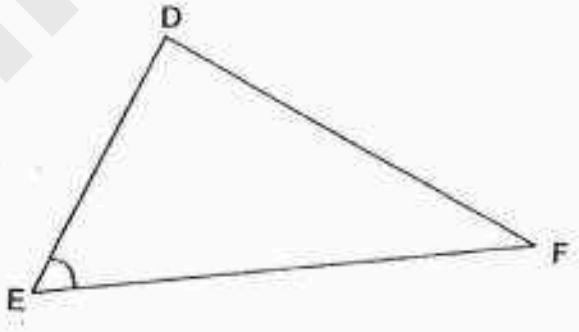
19 Express $\frac{44}{6}$ as a mixed number in its simplest form.

Ans: _____

20 Find the value of $\frac{11}{4} \times 12$.

Ans: _____

21 Using a protractor, measure and write down the size of $\angle DEF$.

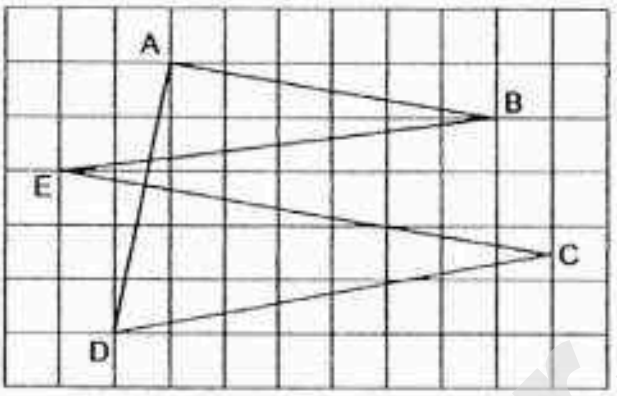


Ans: _____ °

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22 In the grid below, which two lines are parallel to each other?



Ans: _____ // _____

23 Round off 39.896 to 1 decimal place.

Ans: _____

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24 Find the value of 277 ÷ 4. Give your answer as a decimal.

Ans: _____

25 Kevin is 36 years younger than his father. His father is 4 times as old as Kevin. How old is Kevin now?

Ans: _____

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Questions **26** to **30** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

26 Insert a pair of brackets to make the number sentence below true.

$$80 \div 14 \div 2 + 1 - 3 = 7$$

---

27 Winston bought 5 copies of Book A and Simon bought 5 copies of Book B from a bookshop. The price of a Book A cost 3 times as much as a Book B. Winston paid $60 more than Simon. Find the cost of one Book B.

Ans: $ _____

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28 Samy has more than 20 sweets but fewer than 40 sweets. The sweets can be packed into bags of 4 sweets without any remainder. The sweets can also be packed into bags of 6 sweets without any remainder. What is the most number of sweets that Samy has?

Ans: _____

29 A dining table set costs $600 more than a sofa set. 5 dining table sets cost $6600 more than 2 sofa sets. How much does each sofa set cost?

Ans: $ _____

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30 In the pattern below, which letter will appear in the 103rd position?



Ans: _____

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NANYANG PRIMARY SCHOOL

FIRST CONTINUAL EXAMINATION 2016

PRIMARY 5 MATHEMATICS PAPER 2

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	/ 60
GRAND TOTAL	/ 100

Name: _____ ( )

Class: Primary 5 ( )

Date: 3 March 2016

Parent's Signature: _____

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PAPER 2

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

(10 marks)

---

1 Find the value of 8067 × 34. Round off the answer to the nearest thousand.

Ans: _____

---

2 Mrs Shanti has 45 pupils in her class. $\frac{5}{9}$ of the pupils are boys. How many girls are there in the class?

Ans: _____

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3 Tammy spent $\frac{5}{8}$ of her money and had $36 left. How much money did she have at first?

Ans: $_____

4 The perimeter of a rectangle is 108 cm. Its length is twice as long as its breadth. Find its breadth.

Ans: _____ cm

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5 Carol uses some unit squares to build some figures. The first three figures are shown below.

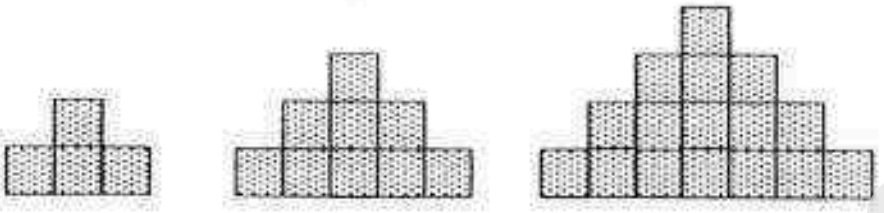


Figure 1 Figure 2 Figure 3

The table below shows the number of unit squares in each figure and the number of layers in each figure.

Figure	Number of layers	Number of unit squares
1	2	4
2	3	9
3	4	16
. . .	. . .	. . .
...	?	81

A figure has exactly 81 unit squares. How many layers are there in the figure?

Ans: _____

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For questions **6** to **18**, 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.

(50 marks)

---

6 A magazine costs thrice as much as a newspaper. Judy pays $3.30 for one magazine.

(a) How much does the newspaper cost?

(b) Muthu wants to buy 2 such newspapers and 3 such magazines. How much does he have to pay?

Ans: (a) _____ [1]

(b) _____ [2]

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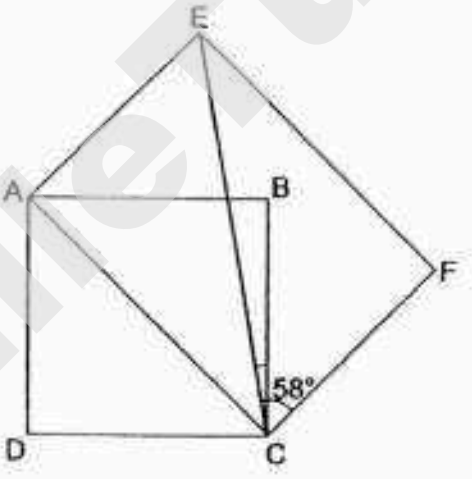
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7 In a quiz, each participant had to answer 50 questions. For each question answered correctly, the participant was awarded 2 points. For each question answered wrongly, 1 point was deducted. Hassan scored 64 points in the quiz. How many questions did he answer wrongly?

Ans: _____ [3]

---

8 In the figure below, ABCD is a square and AEFC is a rectangle. EC is a straight line and $\angle ECF = 58°$. Find $\angle ECB$.

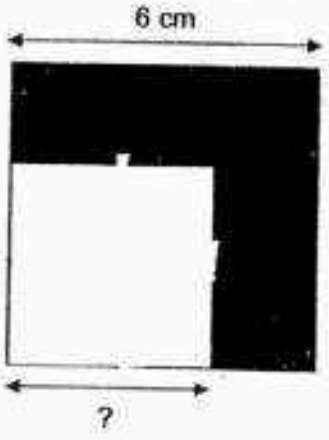


Ans: _____ [3]

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9 The figure below is made up of 2 overlapping squares. The area of the shaded part is 20 cm^2. The length of the bigger square is 6 cm. Find the length of the smaller square.



Ans: _____ [3]

10 There are four consecutive whole numbers. The product of the smallest number and the largest number is 180. Find the sum of the four numbers.

Ans: _____ [3]

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11 Jia Hui had 90 kg of rice. She packed the rice equally into small packets. Each packet contained 3 kg of rice. She sold each packet for $6.20

(a) Jia Hui sold all the packets of rice. How much did she collect from the sale?

(b) However, Jia Hui would like to collect $258 from the sale. How much should she sell each 3-kg packet of rice for?

Ans: (a) _____ [2]

(b) _____ [2]

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12 During a candy sale, Mrs Cheng paid $2 less for every 15 candies she bought. Each candy cost 60 cents. Mrs Cheng paid a total of $36 for some candies. How many candies did she buy?

Ans: _____ [4]

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13 Jerry, Kumar and Lucas shared a bag of marbles. The number of marbles Kumar had was $\frac{1}{2}$ of the number of marbles Lucas had. Jerry had $\frac{1}{4}$ of the total number of marbles. Lucas had 36 more marbles than Jerry.

(a) What fraction of the marbles did Lucas have?

(b) How many marbles were there altogether?

Ans: (a) _____ [1]

(b) _____ [3]

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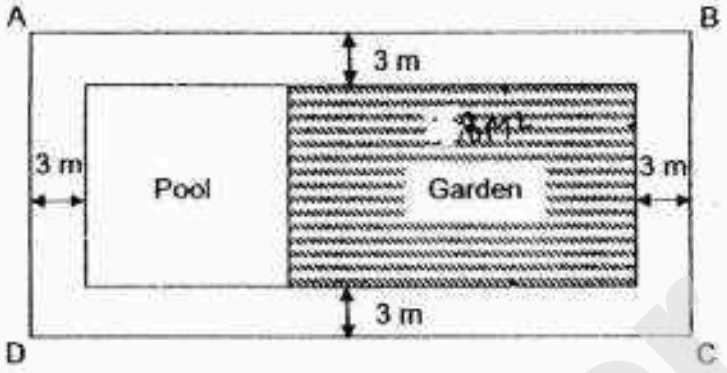
14 ABC Company paid for all her 96 employees to go for a holiday. The price of the holiday package for each person was $428. The tour agency gave a concession to ABC Company. For every 4 persons , the fourth person would pay half of the price. How much money did ABC Company pay for all her 96 employees?

Ans: _____ [4]

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15 Mr Chen owned a rectangular piece of land, ABCD, as shown in the figure below. A path of width 3 m was tiled around the pool and the garden. The area of the square pool was 196 m^2 and the area of rectangular garden was 308 m^2. Find the area of the piece of land.



Ans: _____ [4]

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16 Tze Kai had some money. He spent \$24 on files, $\frac{1}{3}$ of the money on books and $\frac{1}{9}$ of the money on stationeries. He saved the rest of the money. He saved \$16.

(a) How much money did he have at first?

(b) What fraction of his money did he save?

Ans: (a) _____ [3]

(b) _____ [2]

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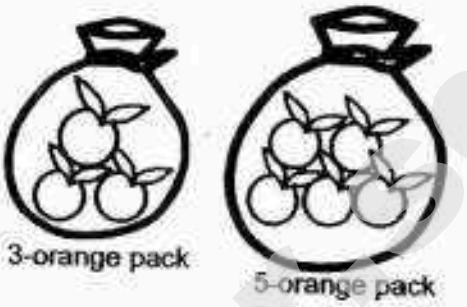
17 The total mass of 7 identical textbooks and 3 identical notebooks is 8492 g. The total mass of 3 such textbooks and 7 such notebooks is 5408 g. What is the mass of each textbook?

Ans: _____ [5]

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18 Mr Lee bought 268 oranges. He packed the oranges into 3-orange packs and 5-orange packs. After packing all the oranges, he realised he had 12 more 5-orange packs than 3-orange packs. How many 5-orange packs were there?



3-orange pack 5-orange pack

Ans: _____ [5]

END OF PAPER

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EXAM PAPER 2016
LEVEL : PRIMARY 5
SCHOOL : NANYANG PRIMARY SCHOOL
SUBJECT : MATHEMATICS(PAPER 1)
TERM : CA1

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

16. 6000

17. 16: 1×16
2×8
4×4
→ 1,2,4,8,16

28: 1×28
2×14
4×7
→ 1,2,4,7,14,28

ans:1,2,4

18. $8\frac{2}{7} = \frac{58}{7}$

ans: $\frac{58}{7}$

19. $\frac{44}{6} = 7\frac{2}{6} = 7\frac{1}{3}$

ans: $7\frac{1}{3}$

20.
$= \frac{11}{4} \times \frac{12}{1}$

$= \frac{11 \times 12}{4 \times 1}$

$= \frac{132}{4}$

=33 ans:33

21.
$\angle DEF$ *is less than* 90°

ans: 57°

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22. ans: AB// EC

23. ≈39.9

ans:39.9

24. ans: 69.25

25.



3u→36
1u→36÷3=12

ans: 12 years old

26. =80÷(7+1)−3
=80÷8−3
=10−3
=7

27.



10u →$60
1u→$60÷10=$6

ans:$6

28. 4: 4,8, 12 ,16,20, 24 ,28,32, 36 ,40

6: 6, 12 , 18, 24 , 30, 36 , 42,

ans:36

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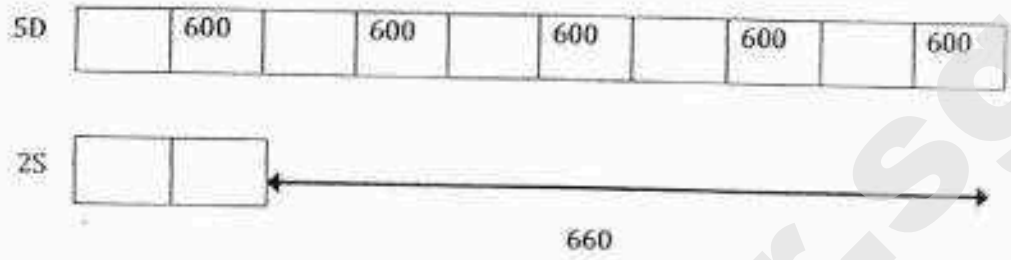
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29.

D [redacted]

S [redacted] ⟷

$600



5u−2u=3u
3u+3000→6600
3u→6600−300=3600
1u→3600÷3=1200

ans:$1200

30.

103÷7=14 R 5

ans:B

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EXAM PAPER 2016
LEVEL : PRIMARY 5
SCHOOL : NANYANG PRIMARY SCHOOL
SUBJECT : MATHEMATICS(PAPER 2)
TERM : CA1

1. 8067×34=274278

   274278≈274000

   ans:274000

2. 45÷9=5

   9−5=4

   5×4=20

   ans:20

3. $\frac{3}{8}$ → $36

   $\frac{1}{8}$ → $36÷3=$12

   $\frac{8}{8}$ → $12×8=$96 ans: $96

4. 

   2u+2u+2u=6u
   108÷6=18

   ans:18cm

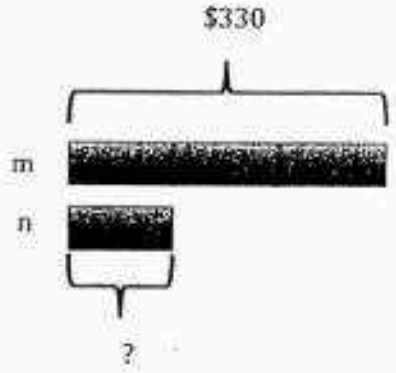
5. 9×9=81

   ans:9

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6.



3u→$3.30
1u→$3.30÷3=$1.10
9u+2u=11u
plu→$1.10×11=$12.10

a) ans:$1.10
b) ans:$12.10

7.

50×2=100
100−64=36
2+1=3
36÷3=12

ans:12

8.

90°÷2=45°
58°−45°=13°

ans:13°

9. 6cm×6cm=36cm^2
$36cm^2-20cm^2 = 16cm^2$

$16cm^2$=(4×4)

ans:4cm

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10. 12,13,14,15
12×15=180
12+13+14+15=54

ans:54

11. 90÷3=30
30×$6.20=$186
$258÷30=$8.60

a)ans:$186
b)ans:$8.60

12. 80

12) 15×60¢=$9
$9-$2=$7
Multiples of 7→7, 14, 21, 28, 35
15×5=75
75 candies→$35
$38-$35=$3
$3.00÷$0.60=5
75+5=80

13. k
L
J
36

1u→36
$\frac{2}{4} = \frac{1}{2}$
4u→36×4=144

a)ans:$\frac{1}{2}$

b)ans:144

14. 96÷4=24
$428÷2=$214
$214×24=$5136
96-24=72
72×$428=$30816
$30816+$5136=$35952

ans:$35952

15.
196=(14×14)
308÷14=22
14+22+3+3=42
14+3+3=20
20×42=840m^2

ans:840m^2

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16.

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

$\frac{3}{9} + \frac{1}{9} = \frac{4}{9}$

$1 - \frac{4}{9} = \frac{5}{9}$

5u→$16+$24=$40
1u→$40÷5=$8

9u→$8×9=$72
3u→$8×3=$24

$\frac{5}{9} - \frac{3}{9} = \frac{2}{9}$

a)ans:$72

b)ans:$\frac{2}{9}$

17.

7T+3N→8492
3T+7N→5408
10T+10N→8492+5408=13900
1T+1N→13900÷10=1390
3T+3N→1390×3=4170
4T→8492−4170=4322
1T→4322÷4=1080.5

ans:108.5g

18. 38

12 more

No. of 3 orange-pouch	Total oranges in 3-orange packs	No. of 5 orange-packs	Total oranges in 5-orange packs	Total	
20	20×3=60	32	31×5=160	60+160=220	X
21	21×3=63	33	33×5=165	165+63=228	X
26	26×3=78	38	38×5=190	78+190=268	✓

>+8

268−228=40

40÷8=5

— & END —

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5

PEI HWA PRESBYTERIAN PRIMARY SCHOOL
CONTINUAL ASSESSMENT 1

PRIMARY 5
MATHEMATICS PAPER 1
(BOOKLET A)

1 MAR 2016

Name : _____

Form Class / Register No. : 5L_____ / _____

Banded Class / Register No. : 5M_____ / _____

Total time for Booklets A and B: 50min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers on the Optical Answer Sheet (OAS) provided.
6. The use of calculator is **NOT ALLOWED**.

This booklet consists of 6 printed pages, excluding the cover page.

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

---

1 In the number 5 643 281, what does the digit '6' stand for?

(1) 6 hundreds
(2) 6 thousands
(3) 6 ten thousands
(4) 6 hundred thousands ( )

2 8 074 231 is _____ more than 7 984 231.

(1) 9 x 100
(2) 9 x 1000
(3) 9 x 10 000
(4) 9 x 100 000 ( ).

3 Express $\frac{8}{11}$ as a decimal corrected to 2 decimal places.

(1) 0.72
(2) 0.73
(3) 1.37
(4) 1.38 ( )

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4 78 x 3000 = ☐ x 1000. What is the missing number in the box?

(1) 26
(2) 81
(3) 216
(4) 234

( )

5 What is the value of A?



(1) $\frac{1}{3}$
(2) $\frac{1}{4}$
(3) $\frac{1}{5}$
(4) $\frac{1}{12}$

( )

6 10 hundred thousands + 500 hundreds + 62 tens + 6 ones = ☐

(1) 105 626
(2) 150 068
(3) 1 005 068
(4) 1 050 626

( )

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7 $41 - 4 \times 5 + (63 - 49) \div 7 =$ ☐

(1) 5

(2) 23

(3) 187

(4) 259 ( )

8 $7\frac{2}{3} -$ ☐ $= 3\frac{5}{9}$

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

(2) $4\frac{1}{9}$

(3) $10\frac{7}{9}$

(4) $10\frac{7}{12}$ ( )

9 How many 4 hundreds are there in the number 380 800?

(1) 952 ones

(2) 952 tens

(3) 952 hundreds

(4) 952 thousands ( )

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10 $320 \times \square + 4000 + 100 + 24 = 324\ 124$

(1) 10

(2) 100

(3) 1000

(4) 10 000 ( )

11 9 kg of rice were packed into packets of 100 g and 200 g. How many packets were there altogether if there were an equal number of 100 g and 200 g packets?

(1) 20

(2) 30

(3) 40

(4) 60 ( )

12 Junming bought 2 pies. When he reached home, he gave all the pies away to his 4 sisters to share equally. What fraction of the pie did each sister receive?

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

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

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

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

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13 Kelly had 120 more stamps than Joe. Joe had 30 more stamps than Steven. How many stamps did Steven have if the 3 of them had a total of 480 stamps?

(1) 100
(2) 110
(3) 130
(4) 140 ( )

14 It takes $5\frac{1}{12}$ hours to drive to Kuala Lumpur. Megan's father has already driven $3\frac{3}{4}$ hours. How much longer will he have to drive before he arrives in Kuala Lumpur?

(1) $1\frac{4}{12}$ h
(2) $1\frac{10}{12}$ h
(3) $2\frac{2}{8}$ h
(4) $2\frac{2}{12}$ h ( )

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15 Mr Lim needs to make some renovation for his flat which includes all his 3 bedrooms. The cost of the renovation is as follow:

Description	Cost
Bookshelves in bedroom	$ 2500 per room
Kitchen cabinets	$6200
Other furniture	$17 800

What is the cost of the renovation for his flat? Round off your answer to the nearest thousand dollars.

(1) $26 500

(2) $29 000

(3) $31 500

(4) $32 000 ( )

-- End of Booklet A--

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PEI HWA PRESBYTERIAN PRIMARY SCHOOL

CONTINUAL ASSESSMENT 1

PRIMARY 5
MATHEMATICS PAPER 1
(BOOKLET B)

1 MAR 2016

Parent's signature

Name: _____

Form Class / Register No. : 5L_____ / _____

Banded Class / Register No. : 5M_____ / _____

Total time for Booklets A and B: 50min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write all your answers in this booklet.
6. The use of calculator is **NOT ALLOWED**.

Marks (Booklet A) :	20
Marks (Booklet B) :	20
Total Marks (Booklets A and B) :	40

This booklet consists of 5 printed pages, excluding the cover page.

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

16 Write 8 036 594 in words.

_____

_____

17 Find the value of 924 000 ÷ 6000.

Ans: _____

18 Express $4\frac{7}{8}$ as a decimal.

Ans: _____

19 Arrange the following numbers in ascending order.

586 207, 568 072, 586 720, 568 270

Ans: _____, _____, _____, _____

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20 Evaluate $423 - 49 \div (22 - 15) + 48 \times 2$

Do not write in this space.

Ans: _____

21 Round off 899 699 to the nearest thousand.

Ans: _____

22 Candy baked a $2\frac{1}{2}$ kg cake. She and her friends ate $1\frac{3}{4}$ kg. How much of the cake was left?

Ans: _____ kg

23 What is the largest 5-digit even number that can be formed with the digits below?

8, 4, 7, 9, 1

Ans: _____

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24 Andy bought 40 packets of lollipops for a party. There were 30 lollipops in each packet. How many lollipops did he buy?

Do not write in this space.

Ans: _____

25 Find the value of 100 ÷ 12. Express your answer as mixed number.

Ans: _____

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Questions **26** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

26 Victor and Mary go for a walk every morning. Mary walks $2\frac{1}{6}$ km. Victor walks $1\frac{2}{3}$ km more than Mary. What is the distance that Victor walks every morning? (Give your answer in mixed number in its simplest form.)

Ans: _____ km

27 There are 2 whole numbers. When rounded off to the nearest thousand, the numbers became 6000 and 2000 respectively. What is the greatest possible difference between the 2 numbers?

Ans: _____

28 Selina earned $5 for every packet of sweets sold. Each packet has 100 sweets. If Selina earned a total of $540 at the end of the month, how many sweets did she sell?

Ans: _____

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29 Among the Primary Five pupils, $\frac{1}{4}$ belongs to the Red House, $\frac{3}{8}$ belongs to the Purple House and the remaining 120 pupils belong to the Green House. How many pupils are there in Primary Five?

Do not write in this space.

Ans: _____

30 Hebe cuts a piece of string measuring 600 cm into 4 pieces. 3 pieces of the string are of equal length. The length of each of the 3 pieces is 3 times as long as the length of the remaining piece. What is the length of the remaining piece?

Ans: _____ cm

END OF PAPER 1

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YEAR	:	2016
LEVEL	:	PRIMARY 5
SCHOOL	:	PEI HWA PRESBYTERIAN PRIMARY
SUBJECT	:	MATHEMATICS
TERM	:	CA1

Paper 1

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

Q16 Eight million thirty six thousand five hundred and ninety four.

Q17 154

Q18 4.875

Q19 568 072, 568 270, 586 207, 586 720

Q20 512

Q21 900 000

Q22 $\frac{3}{4}$ kg

Q23 98 714

Q24 1200 lollipops

Q25 $8\frac{1}{3}$

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Q26 $3\frac{5}{6}$

Q27 6499 ≈ 6000
1500 ≈ 2000
6499 – 1500 ≈ 4999

Q28 540 ÷ 5 = 108 (no. of packets)
100 x 54 = 5400
5400 + 5400 ⇒ 10800 sweets

Q29 3u → 120
1u → 120 ÷ 3 = 40
8u → 40 x 8 ⇒ 320 pupils

Q30 10u → 600
1u → 600 ÷ 10 ⇒ 60 cm

End

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7

RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 MOCK TEST

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 26 February 2016

BOOKLET A

15 Questions
20 Marks
Duration of Paper 1 (Booklets A & B): 50 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page 1 to Page 4
   (b) Questions 1 to 15
6. You are not allowed to use a calculator.

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

(20 marks)

---

1 Express 30 kg 36 g in grams.

(1) 336 g
(2) 3 036 g
(3) 30 036 g
(4) 30 360 g

2 Round off 785 435 to the nearest thousand.

(1) 785 000
(2) 785 400
(3) 785 500
(4) 786 000

3 Find the value of 7 000 x 800.

(1) 5 600 000
(2) 5 060 000
(3) 560 000
(4) 56 000

4 What number is 20 hundreds less than 9 hundred thousand?

(1) 880 000
(2) 898 000
(3) 899 800
(4) 899 980

5 Find the value of 6 x 8 + 60 ÷ 4 – 7.

(1) 20
(2) 56
(3) 122
(4) 131

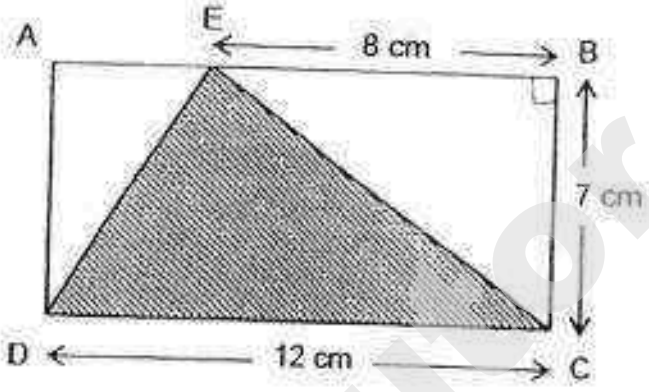
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6 9 is a common factor of _____.

(1) 9 and 21
(2) 18 and 24
(3) 36 and 72
(4) 45 and 49

7 ABCD is a rectangle. Find the area of triangle CDE.



(1) 14 cm^2
(2) 28 cm^2
(3) 42 cm^2
(4) 84 cm^2

8 How many of the letters have at least a line of symmetry?

H A M S

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

9 One million, seven hundred and five thousand and twenty-one written in numerals is _____.

(1) 17 521
(2) 175 021
(3) 1 700 521
(4) 1 705 021

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10 Which of the following has the same value as 11 fifths?

(1) $\frac{5}{11}$
(2) $2\frac{1}{5}$
(3) $5\frac{1}{11}$
(4) $11\frac{1}{5}$

11 Which is the best estimate for 312 x 59?

(1) 300 x 50
(2) 300 x 60
(3) 400 x 50
(4) 400 x 60

12 Find the value of (55 hundreds + 50 tens) x 20 – 10 000.

(1) 5 500
(2) 101 000
(3) 110 000
(4) 120 000

13 Lucus had 42 more stickers than Mandy at first. Mandy gave 18 of her stickers to Lucus. Lucus now has 4 times as many stickers as Mandy. How many stickers did Mandy have at first?

(1) 44
(2) 38
(3) 26
(4) 20

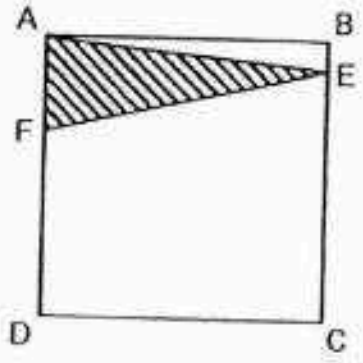
14 Gillian had enough money to buy either 8 apples or 12 oranges. She spent all her money on these 2 types of fruits. If she bought 6 apples, how many oranges did she buy?

(1) 6
(2) 9
(3) 3
(4) 4

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15 ABCD is a square with an area of 36 cm². If AF is $\frac{1}{3}$ the length of AD, find the area of triangle AEF.



(1) 6 cm²
(2) 12 cm²
(3) 13.5 cm²
(4) 27 cm²

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RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 MOCK TEST

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 26 February 2016

BOOKLET B

15 Questions
20 Marks

In this booklet, you should have the following:
(a) Page 5 to Page 9
(b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		20
TOTAL		40

Parent's Signature : _____

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Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

16 How many thousands are there in ten million?

Ans: _____

17 Write 2 345 060 in words.

Ans: _____

_____

18 What is the value of 81 hundreds + 3 tenths + 7 thousandths?

Ans: _____

19 Find the value of 18 x (79 + 21) ÷ 10 + 1.

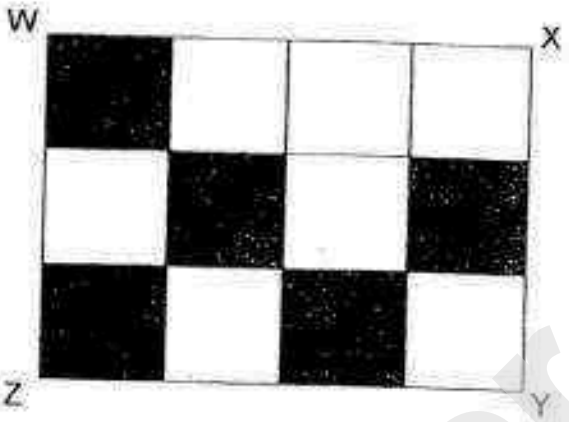
Ans: _____

4

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20 How many **more squares** must be shaded such that $\frac{2}{3}$ of rectangle WXYZ is shaded?



Ans: _____

21 There are approximately 2 700 story books in a school library when rounded off to the nearest hundred.
The smallest possible number of story books is _____.

Ans: _____

22 BreadTop baked 307 buns in total. If they packed all the buns in packets of 12 each, how many more buns would they need to fill up the last packet?

Ans: _____

3

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23 Arrange the following in order, beginning with the greatest.

$1.25,\ 1\frac{2}{5},\ 1.2$

Ans: _____

24 What is the product of 108 and 700?

Ans: _____

25 What is the missing number in the box?

$8\frac{1}{4} = 5\frac{\square}{4}$

Ans: _____

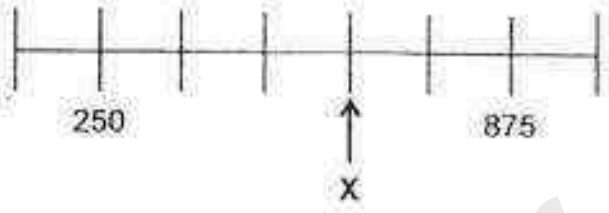
3

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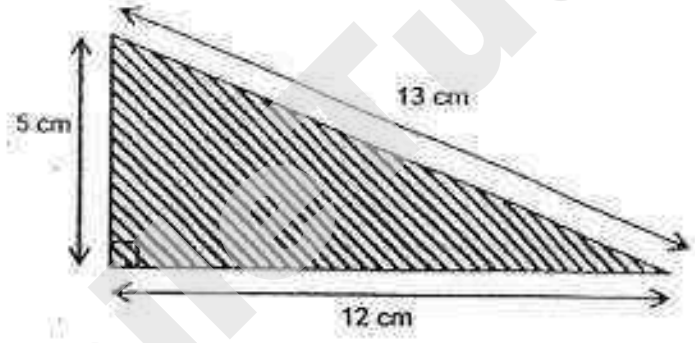
Questions 26 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

26 Part of a scale is shown below. What is the value of the reading at X?



Ans: _____

27 Find the area of the shaded triangle below.



Ans: _____ cm^2

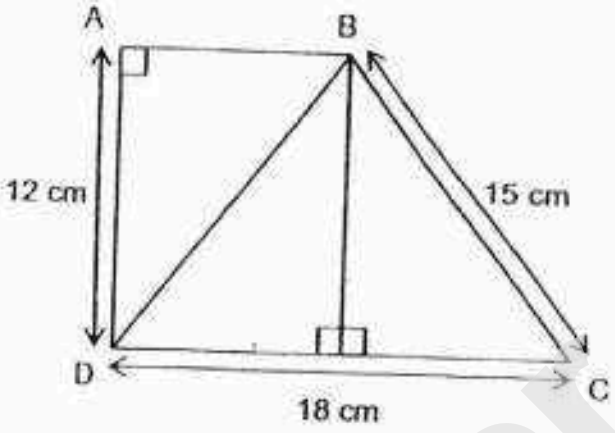
28 A group of students and teachers visited the Zoo. An adult ticket was priced at $15 and each child ticket was priced at $7. There were 3 adults and 40 students in the group. How much did they pay altogether?

Ans: $_____

6

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29 Figure ABCD is made up of 3 identical right-angled triangles. AD = 12 cm, BC = 15 cm and CD = 18 cm. Find the area of triangle BCD.



Ans: _____ cm^2

30 Lincoln has $165 worth of $5 notes and $2 notes. He has five more $5 notes than $2 notes. How many $5 notes does Lincoln has?

Ans: _____

END OF PAPER

4

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RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 MOCK TEST

MATHEMATICS
PAPER 2

Name : _____ ( )

Class : Primary 5 / _____

Date : 26 February 2016

18 Questions
60 Marks
Duration of Paper 2: 1 hour 40 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
   (a) Page 1 to Page 12
   (b) Questions 1 to 18
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		40
PAPER 2		60
TOTAL		100

Parent's Signature : _____

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

(10 marks)

1 Alison had 9 459 coloured bands. She used 25 coloured bands to make a loom band. What is the greatest number of such loom bands she can make?

Ans: _____

2 Mr Gopal earns $3 500 monthly. He spends $2 539 and saves the rest every month. How much will he save in 3 years?

Ans: $ _____

3 Allen had 80 more local stamps than foreign stamps. After giving away half of the local stamps, there were 60 more foreign stamps than local stamps. How many local stamps did Allen have at first?

Ans: _____

6

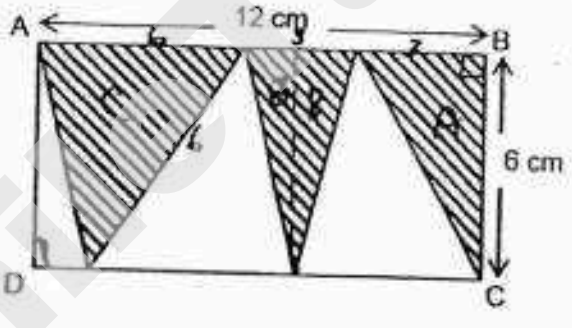
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4 A total of 130 people stand in a queue for zoo tickets. There are at least 3 women between any 2 men. What is the largest possible number of men in the queue?

Ans: _____

5 ABCD is a rectangle. Find the total area of the shaded parts.



Ans: _____ cm²

4

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For Questions 6 to 18, show your workings clearly in the space below each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.
(50 marks)

6 Vijay had $245. He bought 4 toy cars at $29.90 each and spent part of the remaining money on 5 identical balls. If he had $85.90 left, how much did each ball cost?

Ans: _____ [3]

7 Thila was 38 years old and her son was 5 years old 3 years ago. In how many years time from now will Thila be 4 times as old as her son?

Ans: _____ [3]

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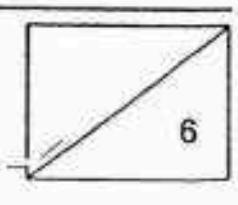
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8 Box A contains 5 times as many marbles as Box B. How many marbles must be transferred from Box A to Box B such that there are 42 marbles in each of the boxes?

Ans: _____ [3]

9 There were 15 more boys than girls in a library. Half of the girls and 48 boys borrowed some books. There was an equal number of boys and girls who borrowed books. How many children were in the library?

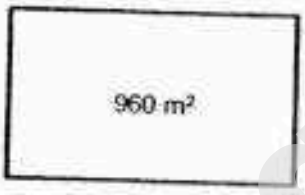
Ans: _____ [3]



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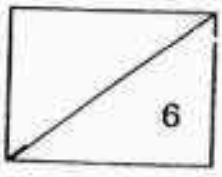
10 A rectangular vegetable plot has an area of 960 m². Given that its breadth is $\frac{3}{5}$ of its length, find the perimeter of the vegetable plot.



Ans: [3]

11 A farmer had 26 wooden planks. Some of the planks were 5-m long and the rest were 8-m long. If all the planks were placed from one end to the other end without gaps over a distance of 187 m, how many 8-m wooden planks did the farmer use?

Ans: _____ [3]



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12 There are 28 markers in a box. 4 markers will be given free-of-charge for every 5 boxes purchased. What is the least number of boxes of markers Miss Ang must purchase if she needs 432 markers?

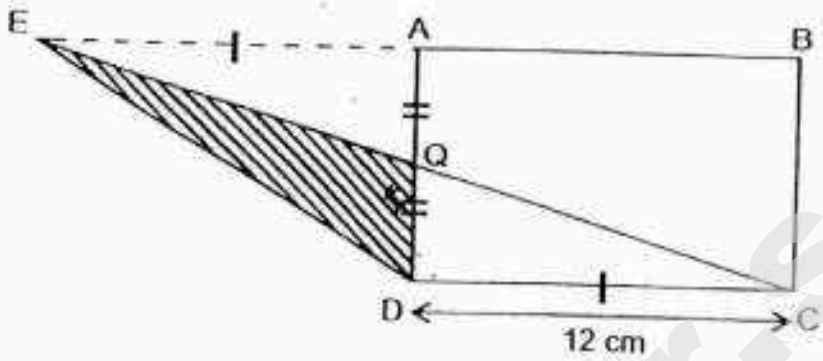
Ans: _____ [4]

4

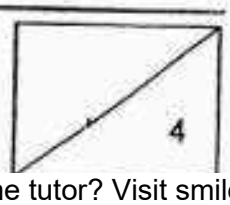
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13 The figure below is made up of rectangle ABCD and triangle ECD. CD = AE = 12 cm and AQ = QD. Find the area of triangle EQD if the area of rectangle ABCD is 120 cm^2.



Ans: _____ [4]

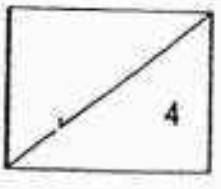


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14 A packet of sweets was shared among Andy, Ben, Charles and Dylan. Andy and Ben took half of the total number of sweets while Charles and Dylan took the rest. Andy had twice as many sweets as Ben and Dylan had 16 sweets. If Charles had $\frac{1}{3}$ as many sweets as Ben, how many sweets were there in the packet of sweets?

Ans: _____ [4]



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15 There are 44 students in Class 5A. $\frac{2}{3}$ of the number of girls is equal to $\frac{1}{4}$ of the number of boys.

(a) How many girls are there in Class 5A?

(b) How many more boys than girls are there in Class 5A?

Ans: (a) _____ [3]

(b) _____ [2]

5

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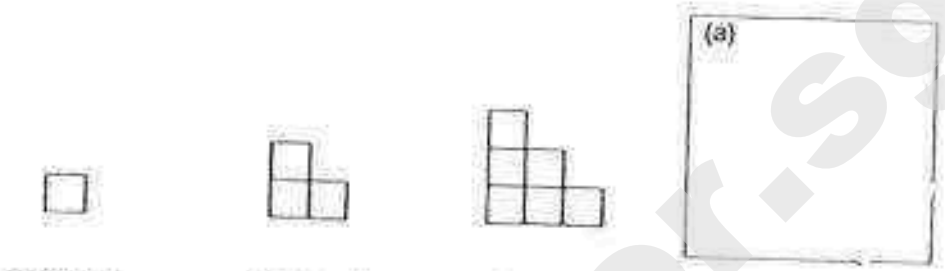
16 Benson had 3 times as many beads as Kingsley. After Benson gave 45 beads away and Kingsley lost 7 beads, Kingsley had 3 times as many beads as Benson. What was the total number of beads that Benson and Kingsley have at first?

Ans: _____ [5]

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17 Samantha used some square pieces of paper to make some patterns.
1 square piece of paper was used for Pattern 1.
2 square pieces of paper were added at the bottom of Pattern 1 to form Pattern 2.
3 square pieces of paper were added at the bottom of Pattern 2 to form Pattern 3.



Pattern 1 Pattern 2 Pattern 3 Pattern 4

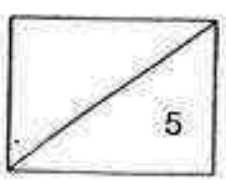
(a) Draw Pattern 4 in the space provided above. [1]

(b) How many square pieces of paper did she use in the bottom row of Pattern 18?

(c) How many square pieces of paper did she use in Pattern 25?

Ans: (b) _____ [1]

(c) _____ [3]



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Red Swastika School 2016

Mock Test Paper 1 Mathematics Primary 5 Booklet A

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

Paper 1 Booklet B

Q16. 10 000

Q17. Two million three hundred and forty five thousand and sixty

Q18. 8100 307

Q19. 181

Q20. 3

Q21. 2650

Q22. 5

Q23. $1\frac{2}{5}$, 1.25, 1.2

Q24. 75 600

Q25. 13

Q26. 625

Q27. 30cm²

Q28. $325

Q29. 108cm²

Q30. 25 (25 $5, 20 $2)

Paper 2

Q1. 9 459/25 = 378 (Reminder 9)

Q2. 3 500 – 2 539 = 961, 12 x 3 = 36, 961 x 36 = $34 596

Q3. 80 + 60 = 140, 140 x 2 = 280

Q4. 33 (mwww.....mwwwwm)

Q5. $\frac{1}{2}$ x 12 x 6 = 36cm²

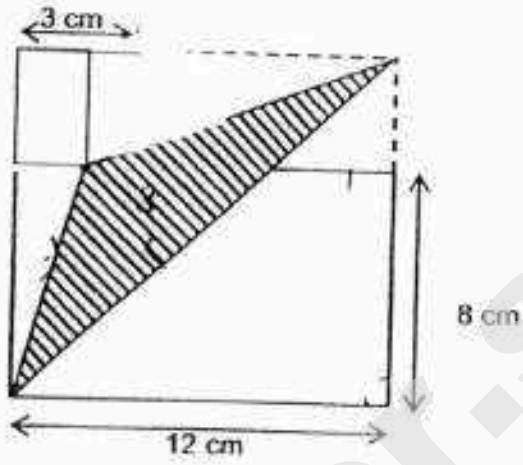
Q6. 29.90 x 4 = 119.60, 245 – 119.60 – 85.90 = 39.5, 39.5 / 5 = $7.90

Q7. 3u = 33, 1u = 11, 4u = 44. Now, Thila is 41. Ans = 44 - 41 = 3 years

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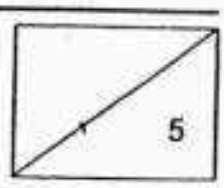
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18 The figure below is made up of a square, a rectangle and a triangle. Find the area of the shaded triangle.



Ans: _____ [5]

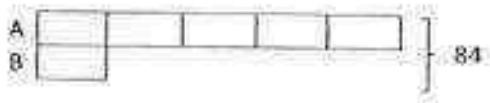
END OF PAPER



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Q8.



6u = 84
2u = 28

Q9. Girls → 48 X 2 = 96, Boys → 96 + 15 = 111, Total → 111 + 96 = 207

Q10. 128 (B = 24, L = 40)

Q11. 5 + 8 = 13, 187 / 13 = 14 r5, Ans: 14

Q12. 28 x 5 = 140, 140 + 4 = 144, 432 / 144 = 3, 3 x 5 = 15 boxes

Q13. AD → 120 / 12 = 10, DQ → 10 / 2 = 5, $\frac{1}{2}$ x 5 x 12 = 30 cm²

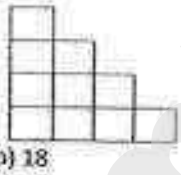
Q14. 36 (8u = 16, 1u = 2, Total → 18u = 18 x 2 = 36)

Q15. (a) Girls = $\frac{2}{3}$, Boys = $\frac{1}{4} \rightarrow \frac{2}{8}$, Ratio = 3:8, 11u = 44, 3u = 12

(b) Boys → 8u = 32, 32 – 12 = 20

Q16. 8u = 45 – 7 – 7 – 7 = 24
3u = 3 x 3 = 9
9 + 7 = 16
16 x 3 = 48
14 + 16 = 64

Q17. (a)Pattern 4:



(b) 18
(c) (25x26)/2 = 325

Q18. Area of unshaded rectangle = 3 x 4 = 12cm²
Area of unshaded Triangle A = $\frac{1}{2}$ x 3 x 8 = 12cm²
Area of unshaded Triangle B = $\frac{1}{2}$ x 4 x 9 = 18cm²
Area of unshaded big Triangle = $\frac{1}{2}$ x 12 x 12 = 72cm²
Area of whole big square = 12 x 12 = 144cm²
Area of shaded region = 144 – 12 – 12 – 18 – 72 = 30cm²

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4

Rosyth School
First Continual Assessment 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 26th February 2016 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet A)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Shade your answers in the Optical Answer Sheet (OAS) provided.
4. You are **not** allowed to use a calculator
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

*** This booklet consists of 6 printed pages (including this cover page)**

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

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

1. Which of the numbers below has the digit '4' in the ten thousands place?

   (1) 148 302
   (2) 301 842
   (3) 483 012
   (4) 814 230

2. 1 million, 65 thousands, 8 tens and 9 ones is _____.

   (1) 1 065 089
   (2) 1 065 890
   (3) 1 650 089
   (4) 1 650 809

3. Which one of the following has the same value as $57 - 7 \times 6 \div 3$?

   (1) 5
   (2) 43
   (3) 72
   (4) 100

4. Which one of the following number statements does not have a value of 72 000?

   (1) 4 x 18 000
   (2) 24 x 3000
   (3) 360 x 200
   (4) 900 x 800

(Go on to the next page)

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5. What is the value of 315 000 ÷ 300?

(1) 105
(2) 150
(3) 1050
(4) 1500

6. $10\frac{66}{1000}$ expressed as a decimal is _____.

(1) 10.066
(2) 10.606
(3) 10.660
(4) 10.666

7. 4 hundreds, 4 ones and 40 thousandths is _____.

(1) 400.404
(2) 400.440
(3) 404.040
(4) 404.400

8. The value of 78 − 15 ÷ 3 + 4 x 6 is _____.

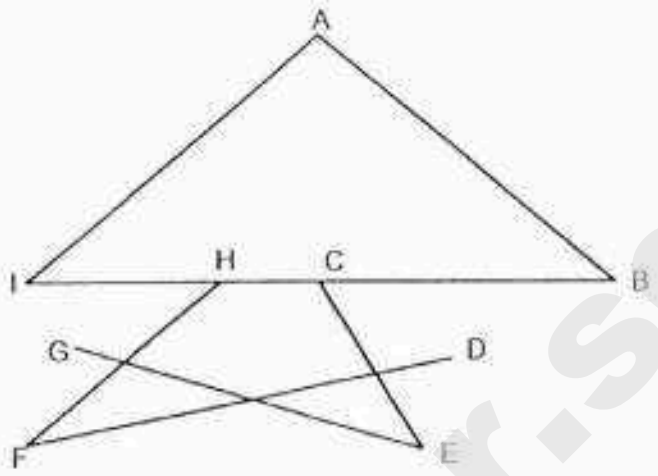
(1) 24
(2) 49
(3) 97
(4) 150

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9. Which of the following are pairs of parallel lines?



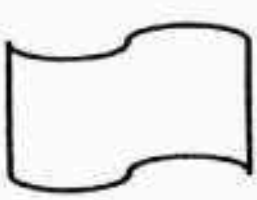
(1) AB // CE
(2) AB // GE
(3) AI // DF
(4) AI // HF

10. Which of the following shapes can be tessellated?

(A)



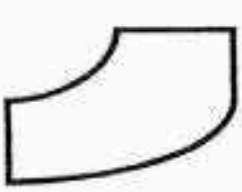
(B)



(C)



(D)



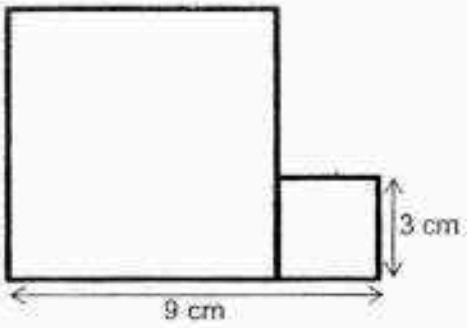
(1) A only
(2) A and B
(3) B and C
(4) C and D

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11. What is the total area of the 2 squares below?



(1) 27 cm^2
(2) 36 cm^2
(3) 45 cm^2
(4) 81 cm^2

12. A farmer had 65 oranges. He packed them into bags of 6 each. How many oranges were not packed?

(1) 5
(2) 6
(3) 10
(4) 11

13. Keith had $262. He paid $26 for a shirt and spent 3 times as much on a pair of shoes. How much money had he left?

(1) $78
(2) $104
(3) $158
(4) $184

(Go on to the next page)

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14. The length of a blue ribbon is 23.094 m. It is 0.17 m longer than the length of a red ribbon. What is the length of the red ribbon?

(1) 22.924 m
(2) 23.077 m
(3) 23.124 m
(4) 23.264 m

15. Mrs Lee spent $17.35 at the supermarket. Mdm Pasu spent 6 times as much as Mrs Lee. How much more did Mdm Pasu spend than Mrs Lee?

(1) $69.40
(2) $86.75
(3) $104.10
(4) $121.45

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(Go on to Booklet B)

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Rosyth School
First Continual Assessment 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 26th February 2016 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet B)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are **not** allowed to use a calculator.
4. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	20	

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

16. Arrange the following numbers from the greatest to the smallest number.
53 001, 53 100, 53 101 and 53 010

Ans: _____ , _____ , _____ , _____
greatest

17. The price of a car when rounded off to the nearest $1 000 is $90 000. What is the greatest possible price of the car?

Ans: $ _____

18. Find the value of 76 − 56 ÷ (4 + 3) x 4.

Ans: _____

19. Find the value of 840 ÷ 6.

Ans: _____

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20. 49.985 when rounded off to 2 decimal places is _____.

Do not write in this space

Ans: _____

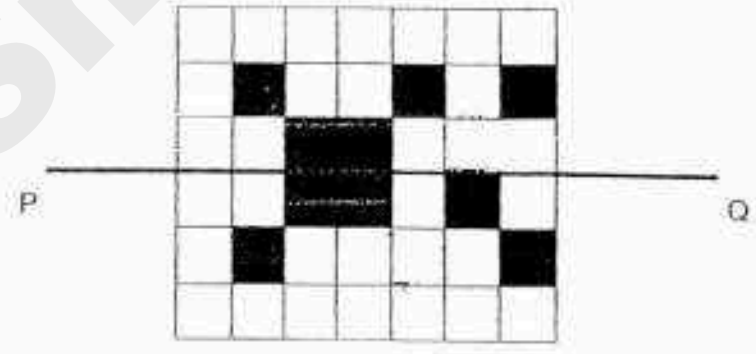
21. Fill in the missing number.
23.66, _____, 23.72, 23.75, 23.78

Ans: _____

22. The area of a square is 81 cm^2. Find the perimeter of the figure.

Ans: _____ cm

23. Line PQ is the line of symmetry. Shade 2 squares to make the figure below symmetrical.



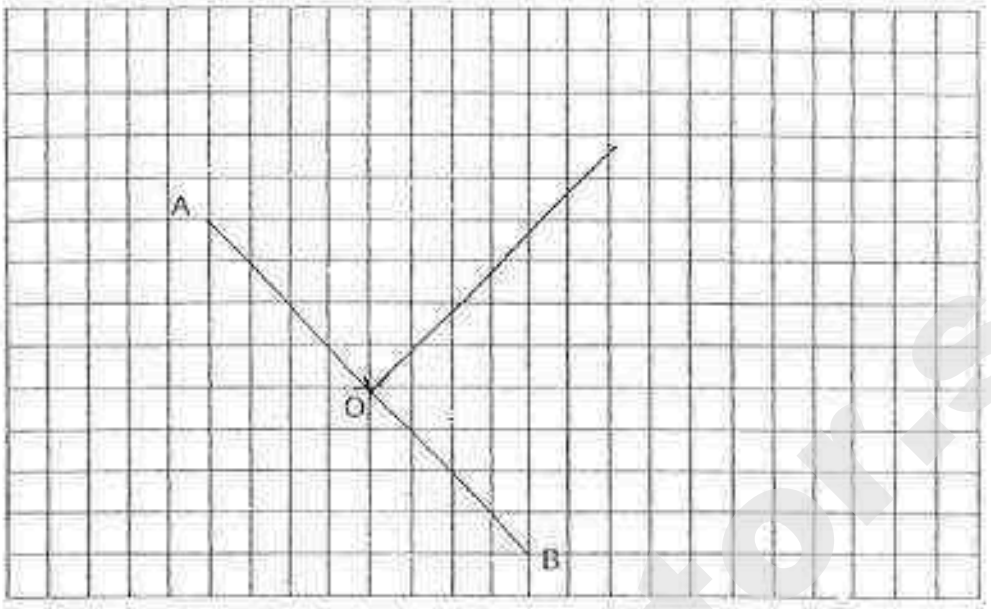
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24. Using a set-square, draw a line perpendicular to line AB through Point O.

Do not write in this space



25. There are 40 pupils in a class. The pupils are divided into groups consisting of 3 boys and 5 girls in each group. How many boys are there in the class?

Ans: _____

(Go on to the next page)

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Questions **26** to **30** carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

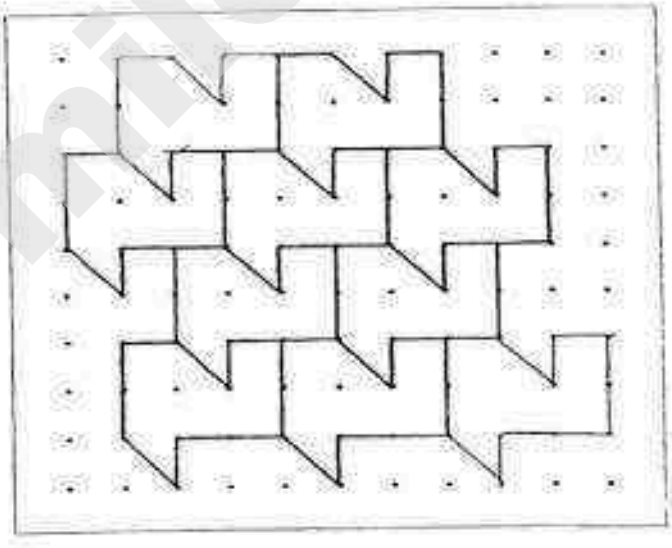
Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

26. A cycling track is 5.9 km long. Roy cycled 6 complete rounds. Joe cycled 9.9 km less than Roy. How far did Joe cycle?

Ans: _____ km

27. Extend the tessellation by drawing 2 more unit shapes in the space provided within the dot diagram.



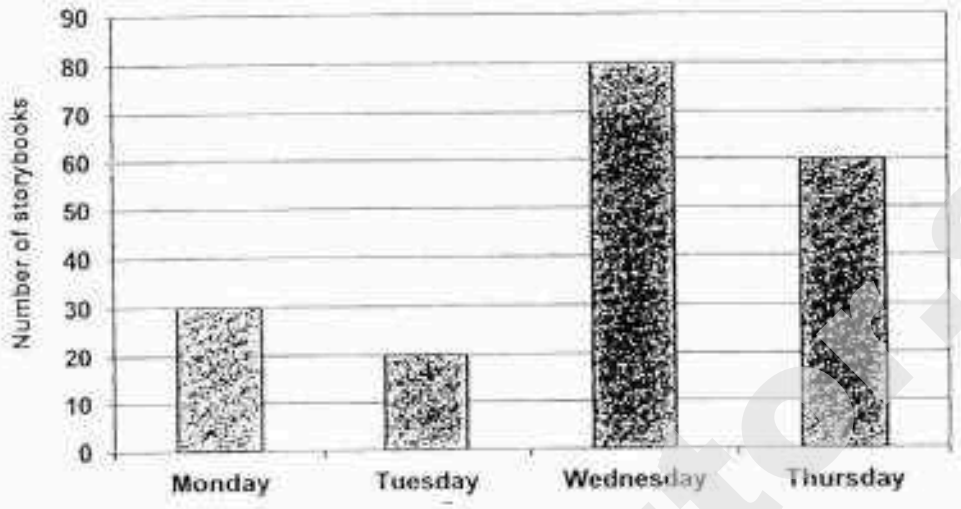
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28. The graph below shows the number of story books Mr Ahmad sold for 4 days.

Do not write in this space



What was the total number of books sold from Monday to Thursday?

Ans: _____

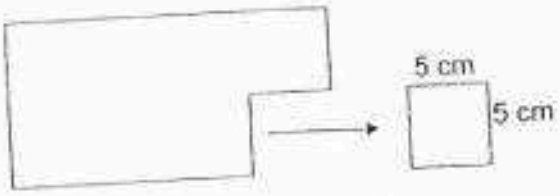
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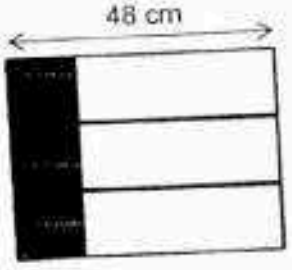
29. A square of side 5 cm has been cut out from a rectangular piece of paper as shown below. Only 14 such squares can be cut out **exactly** from the paper. Find the perimeter of the rectangular piece of paper.

Do not write in this space



Ans: _____ cm

30. The figure below is made up of identical rectangles. Find the area of the shaded rectangle.



Ans: _____ cm^2

End of paper.

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Rosyth School
First Continual Assessment 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 26th February 2016 Parent's Signature: _____

Time: 1h 15min

PAPER 2

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. **Show your workings clearly** as marks are awarded for correct working.
4. Write your answers in this booklet.
5. You are allowed to use a calculator.
6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 13	30	

Section	Maximum Mark	Marks Obtained
Paper 1	40	
Paper 2	40	
Total	80	

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

(10 marks)

Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

1. 1 is a factor of 35 and 14. What is another factor of 35 and 14?

Ans: _____

2. Write down the first 3 common multiples of 4 and 8.

Ans: _____, _____, _____

3. The mass of a basketball is 450 g. It is 6.8 kg lighter than a bowling ball. What is the mass of the bowling ball in kilograms?

Ans: _____ kg

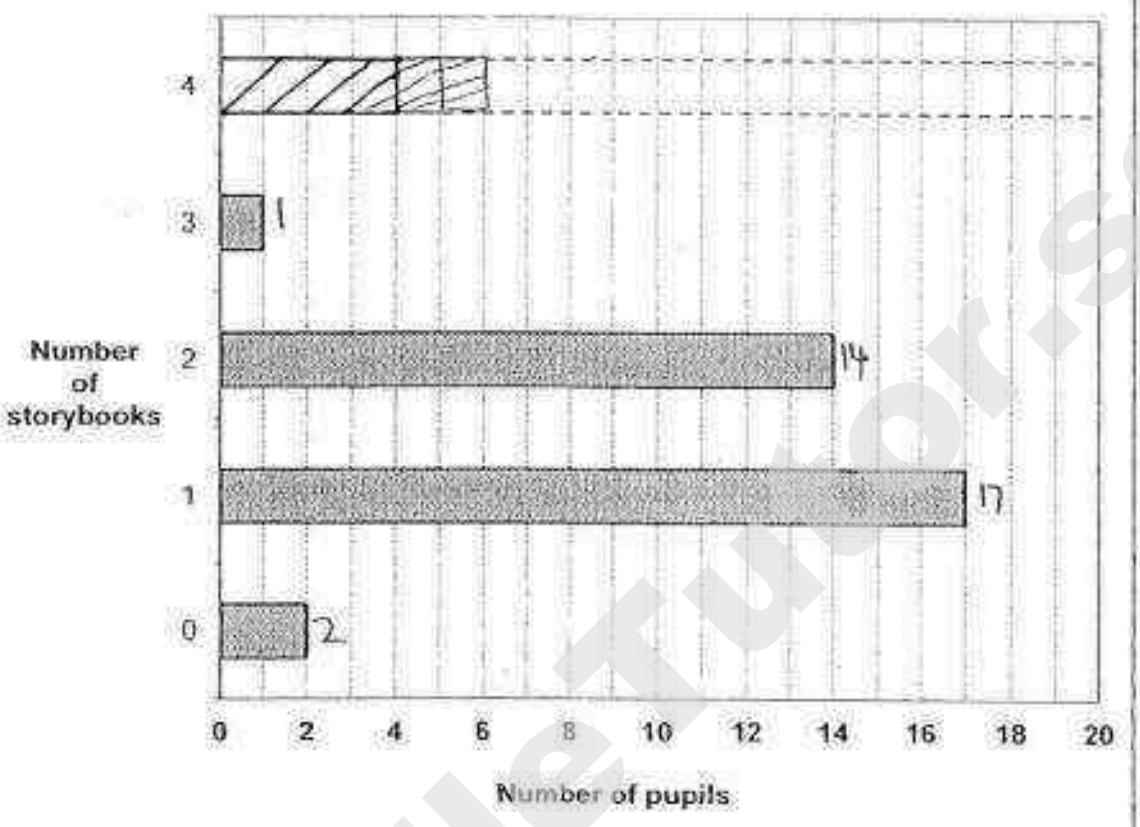
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4 The graph below shows the number of books borrowed by 40 pupils in a class.

Do not write in this space



Borrowed

Draw the bar representing the number of pupils who read 4 storybooks.
You are not required to shade the bar.

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(Go on to the next page)

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5. Willy bought a laptop for $2 588. He paid $860 in cash at first.
He paid the remainder in 12 months.
He paid an equal amount of money each month.
How much did Willy pay each month?

Do not write in this space

Ans: $ _____

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For Questions **6** to **13,** show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(30 marks)

Do not write in this space

6. Jose spent $8.80 to buy 13 pens and 6 erasers.
The cost of 3 pens is the same as 2 erasers.
What is the cost of 1 pen?

Ans: _____ [3]

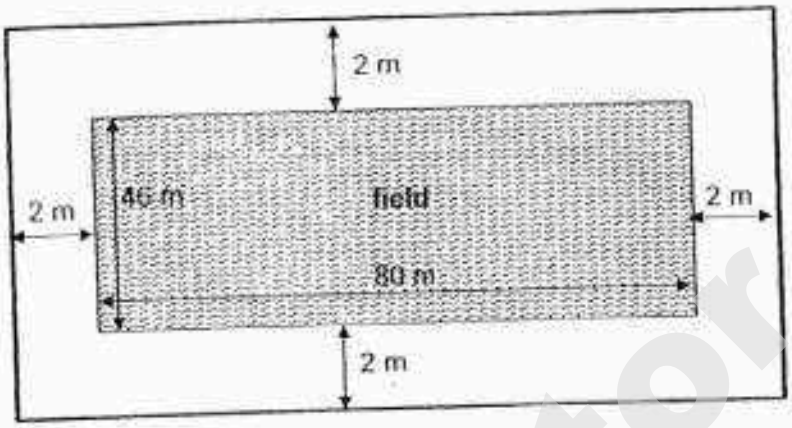
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7. The figure below shows a rectangular field which measures 80 m by 46 m. There is a 2 m wide footpath surrounding the field.
Find the area of the footpath.

Do not write in this space



Ans: _____ [3]

(Go on to the next page)

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8. Mrs Gomesh gave some sweets to her pupils.
If she gave each pupil 7 sweets, she would need 4 more sweets.
If she gave each pupil 5 sweets, there would be 4 sweets left.
How many pupils were there altogether?

Do not write in this space

Ans: _____ [3]

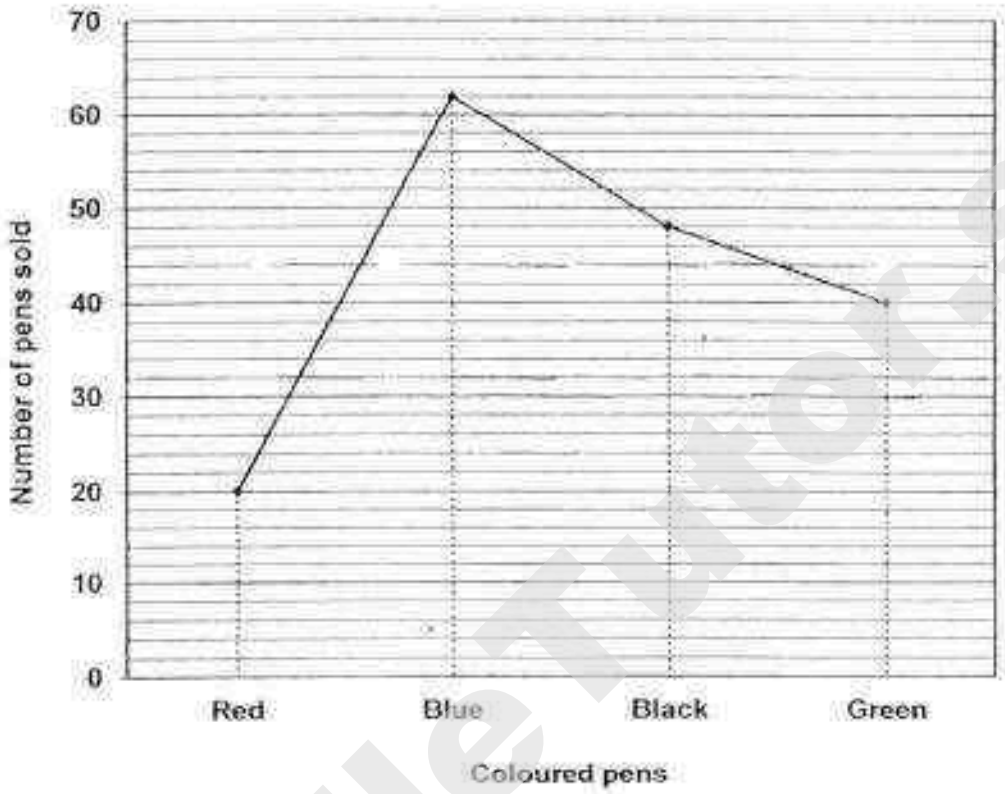
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9 Uncle Frank sold 4 different coloured pens.
The line graph below shows the number of pens sold for each colour in a week.

Do not write in this space



(a) What was the difference between the number of blue and black pens sold?

(b) Each red pen cost $0.30 more than each green pen.
Uncle Frank collected $84 from selling the green pens.
What was the price of 1 red pen?

Ans: (a) _____ [1]

(b) _____ [2]

(Go on to the next page)

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10. Jake, Kate and Larry have a total of 2 550 stamps.
Jake has four times as many stamps as Kate.
Larry has half of the total number of stamps Jake and Kate have.
How many more stamps does Larry have than Kate?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

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11. Wahid and Arjay had a total of 1 760 marbles.
When Wahid gave 120 marbles to Arjay, he would have 3 times as many marbles as Arjay.
How many marbles did Wahid have at first?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

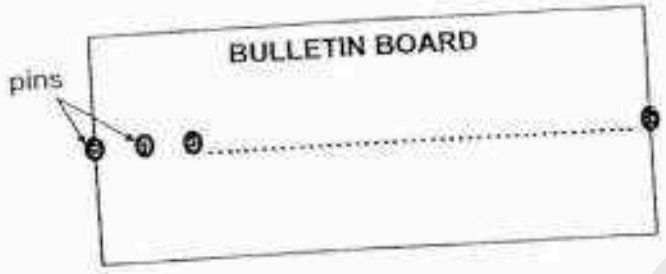
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Do not write in this space

12 Mr Lim placed 25 pins in a row from one to the other end of a bulletin board at equal distance apart as shown in the diagram below.
The distance between the first and last pin was 96 cm.

(a) What was the distance between the first and eighth pin?
(b) Mr Lim decided to remove 8 pins and rearrange the remaining pins at a new equal spacing.
What was the new distance of each spacing?



Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

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13. 12 shirts and 5 dresses cost $247.50.
7 similar shirts and 3 similar dresses cost $145.40.
What is the total cost of 1 shirt and 1 dress?

Do not write in this space

Ans: [5]

End of Paper

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YEAR	:	2016
LEVEL	:	PRIMARY 5
SCHOOL	:	ROSYTH
SUBJECT	:	MATHEMATICS
TERM	:	CA1

Paper 1

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

Q16 53 101, 53 100, 53 010, 53 001

Q17 $90 499

Q18 44

Q19 140

Q20 49.99

Q21 23.69

Q22 36 cm

Q23



Q24



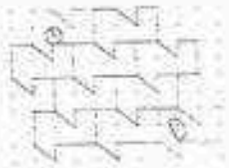
Q25 3 + 5 = 8
40 ÷ 8 = 5
3 x 5 ⇒ 15 boys

Q26 R → 5.9 x 6 = 35.4
J → 35.4 – 9.9 ⇒ 25.5 km

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Q27



Q28 60 + 80 + 20 + 30 ⇒ 190 books

Q29 A → 25 x 14 = 350
B → 5 + 5 = 10
L → 350 ÷ 10 = 35
P → 35 + 35 + 10 + 10 ⇒ 90 cm

Q30 B → 48 ÷ 4 = 12
L → 12 x 3 = 36
A → 36 x 12 ⇒ 432 cm^2

Paper 2

Q1 7

Q2 8, 16, 24

Q3 6.8 + 0.450 ⇒ 7.25 kg

Q4 6 pupils



Q5 2588 – 860 = 1728
12 month → 1728
1 month → 1728 ÷ 12 ⇒ $144

Q6 13P + 6E = 8.80
22P = 8.80
1P = 8.80 ÷ 22 ⇒ $0.40

Q7 Length → 80 + 4 = 84
Breadth → 46 + 4 = 50
Area → 50 x 84 = 4200
Area of field → 80 x 46 = 3680
Foot path → 4200 - 3680 ⇒ 520 m^2

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Q8

NO.	1	2	3	4
x 7	7	14	21	28
- 4	3	10	17	24
x 5	5	10	15	20
+ 4	9	14	19	24

Ans: 4 pupils

Q9a

62 – 48 ⇒ 14 pens

Q9b

84 ÷ 40 = 2.1
2.1 + 0.30 ⇒ $2.40

Q10

2550 ÷ 15 = 170
170 x 3 ⇒ 510 stamps

Q11

4u = 1760
1u = 1760 ÷ 4 = 440
3u = 440 x 3 = 1320
1320 + 120 ⇒ 1440 marbles

Q12a

25 pins → 24 gaps
96 ÷ 24 = 4
8 pins → 7 gaps
7 x 4 ⇒ 28 cm

Q12b

25 – 8 = 17
17 pin → 16 gap
96 ÷ 16 ⇒ 6 cm

Q13

7S + 3D = 145.40
(x 2)
14S + 6D = 290.80
290.80 – 247.50 = 43.30
43.30 x 6 = 259.80
259.80 → 12S + 6D
259.80 – 247.50 = 12.30
12.30 → 1D
12.30 x 3 = 36.90
145.40 – 36.90 = 108.50
108.50 ÷ 7 = 15.50
15.50 → 1S
15.50 + 12.30 ⇒ $27.80

End

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Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2016)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet A

Friday **6 May 2016** **50 min**

Name: _____ ( ) Class: 5 ( )

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 Answer ALL questions.

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

5 You are not allowed to use a calculator for this paper.

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

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

1. Which of the following is eight hundred and one thousand and twenty-six in numerals?

   1) 81 026
   2) 801 026
   3) 8 001 026
   4) 8 010 026

2. In 43 705, what does the digit 3 stand for?

   1) 3 hundreds
   2) 30 hundreds
   3) 300 hundreds
   4) 3000 hundreds

3. Lisa was facing south-west at first. She then turned 225° anticlockwise. Where is she facing now?



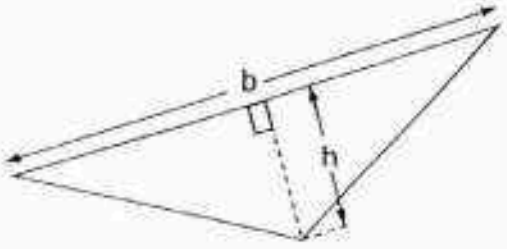
   1) North
   2) South
   3) East
   4) West

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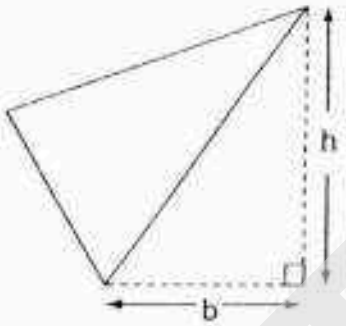
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4. Which of the following triangles does **not** have its height, h, and base, b, correctly matched?

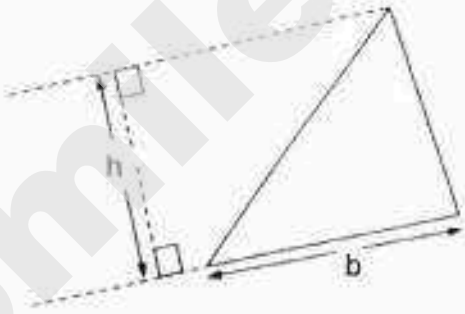
1)



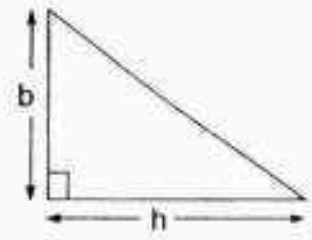
2)



3)



4)



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5. Which of the following is the same as 10 minutes past midnight?

1) 11.50 a.m.
2) 11.50 p.m.
3) 12.10 a.m.
4) 12.10 p.m.

6. Which one of the following is the same as $\frac{4}{7} \div 3$?

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

7. Express $\frac{13}{5}$ as a mixed number.

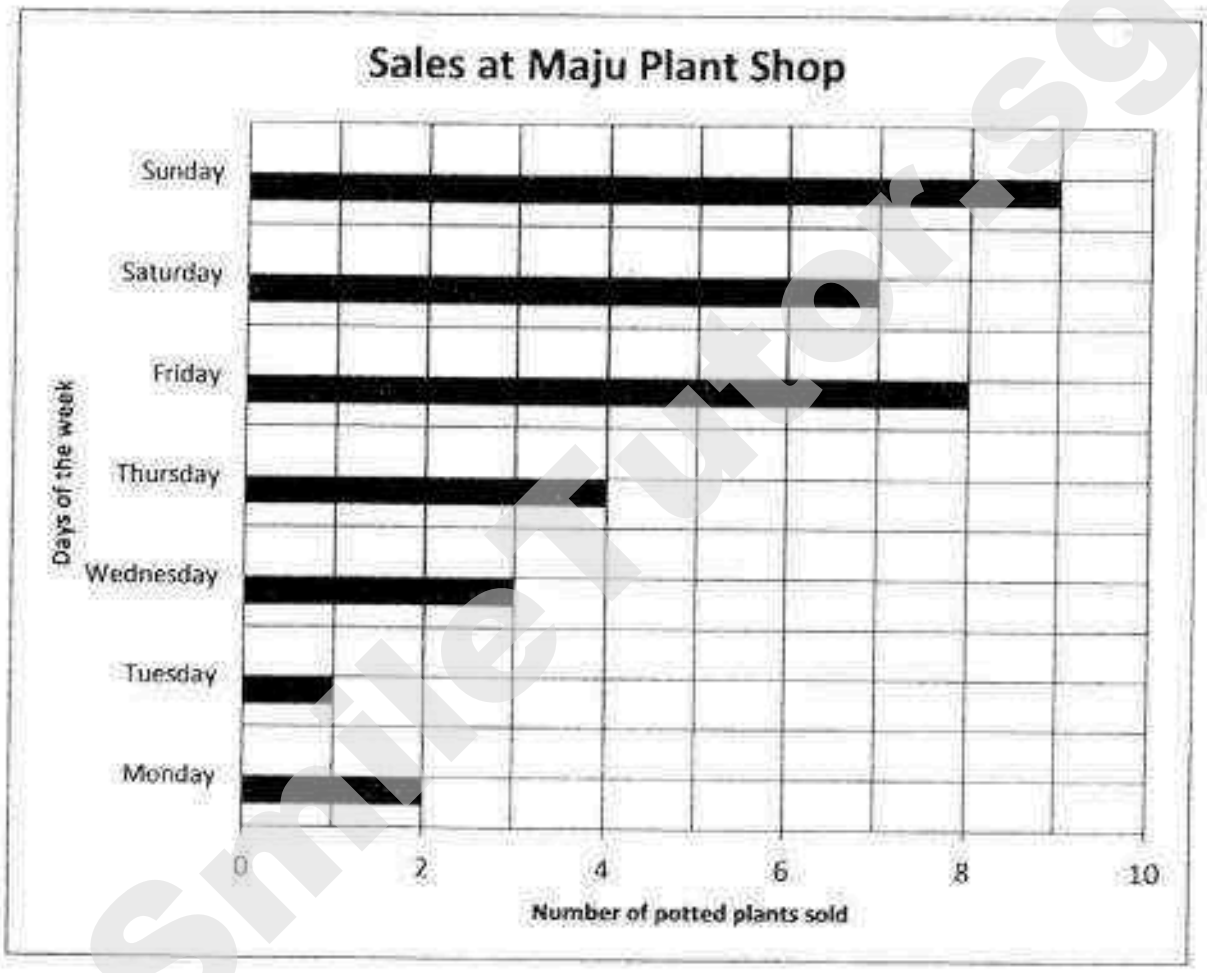
1) $1\frac{3}{15}$
2) $1\frac{3}{5}$
3) $2\frac{3}{5}$
4) $3\frac{1}{5}$

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8. Mr Maju had 50 potted plants at his shop.

The graph below shows the number of potted plants he sold in the week.



How many potted plants were left at the shop at the end of Friday?

1) 16
2) 18
3) 32
4) 34

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9. Mrs Lee baked 34 muffins. 12 of them were banana muffins and the rest were blueberry muffins. Find the ratio of the number of blueberry muffins to the total number of muffins.

1) 6 : 17
2) 11 : 17
3) 11 : 6
4) 17 : 11

10. Mr Tan gave monthly allowance to his wife and two sons in the ratio of 5 : 3. His sons received $420 altogether. How much did his wife receive?

1) $590
2) $600
3) $700
4) $1400

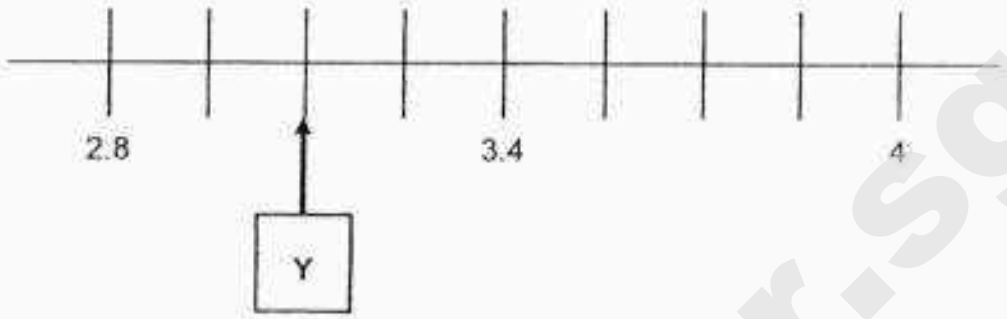
11. What is the missing number in 12 : 32 = ☐ : 56 ?

1) 8
2) 18
3) 3
4) 21

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12. In the number line below, find the value of Y.



1) 2.82
2) 3.00
3) 3.10
4) 3.20

13. ABCD is a rectangle. Given that $\angle x$ is twice the size of $\angle y$, find $\angle x$.



1) 13°
2) 26°
3) 39°
4) 43°

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14. Kenny had \$63. He spent $\frac{1}{7}$ of the money on a pen. He then spent $\frac{2}{3}$ of his remaining money on a pencil case. How much did he spend on the pencil case?

1) \$12
2) \$32
3) \$36
4) \$42

15. Charlie and Lucy had the same number of buttons. After Lucy gave away 15 buttons and Charlie gave away 45 buttons, Lucy had 4 times as many buttons as Charlie. How many buttons did each of them have at first?

1) 10
2) 30
3) 55
4) 60

(Go on to Booklet B)

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Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2016)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet B

Friday **6 May 2016** **50 min**

Name: _____ ( ) Class: 5 ( )

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 Answer ALL questions.

4 You are **not** allowed to use a calculator for this paper.

This question paper consists of 9 printed pages (inclusive of cover page).

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

---

16. Use all the digits 9, 0, 5, 8 to form the smallest multiple of 5.

Ans: _____

17. Find the number in the blank.

3 784 x 9 = 3 000 x 9 + 700 x 9 + _____ x 9

Ans: _____

18. Find the value of 20 – 2 x 8 ÷ (3 + 1)

Ans: _____

Sub-Total :

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19. How many eighths are there in $1\frac{3}{4}$?

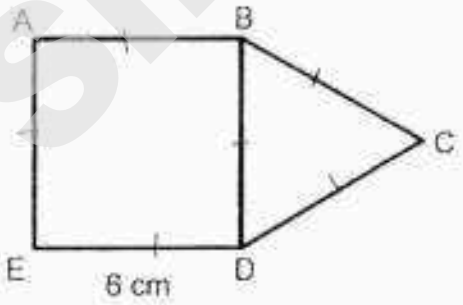
Ans: _____

20. $\frac{3}{5} + \frac{3}{10} - \frac{1}{2} = \frac{\square}{5}$

What is the missing number in the box?

Ans: _____

21. The figure below is made up of a square ABDE ~~square~~ and triangle BCD. DE = 6 cm. Given that all the sides of the triangle are of the same length, what is the perimeter of the figure?



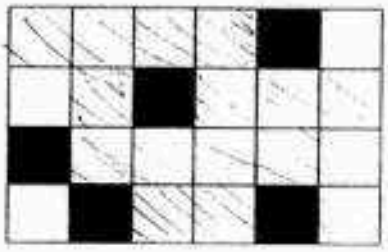
Ans: _____ cm

Sub-Total

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22. How many **more** squares must be shaded so that the ratio of the number of unshaded squares to the number of shaded squares is 1 : 5.



Ans: _____

23. Melati mixed water and orange syrup in the ratio 7 : 2 to make orange squash. She used 98 ml of water. How much orange syrup did she use?

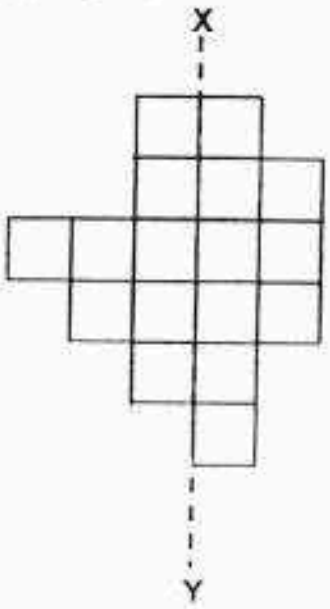
Ans: _____ ml

Sub-Total : [ ]

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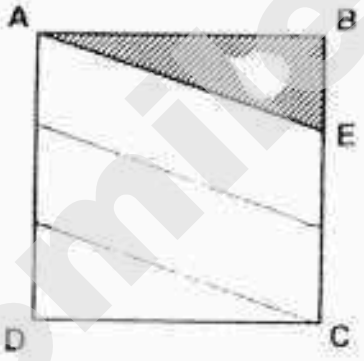
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24. The figure below shows 17 squares. What is the **smallest** number of squares that must be added so that the dotted line XY is a line of symmetry?



Ans: _____

25. In the figure below, ABCD is a square of area 81 cm^2. The length of AB is 3 times the length of BE. What is the area of triangle ABE?



Ans: _____ cm^2

Sub-Total :

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Questions 26 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

26. Wayne and Liming share some marbles. $\frac{2}{3}$ of Wayne's marbles is equal to $\frac{2}{5}$ of Liming's marbles. Given that Liming has 14 marbles more than Wayne, how many marbles do they have altogether?

Ans: _____

27. There were 144 children and three times as many adults at a school football match. An equal number of children and adults left in the middle of the match. At the end of the match, there were 7 times as many adults as children. How many children were there at the end of the match?

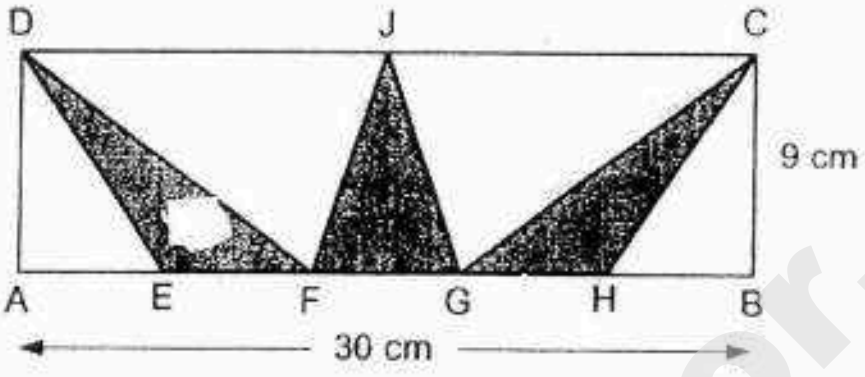
Ans: _____

Sub-Total:

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28. In the figure, ABCD is a rectangle. AE = EF = FG = GH = HB
What is the area of the shaded part?



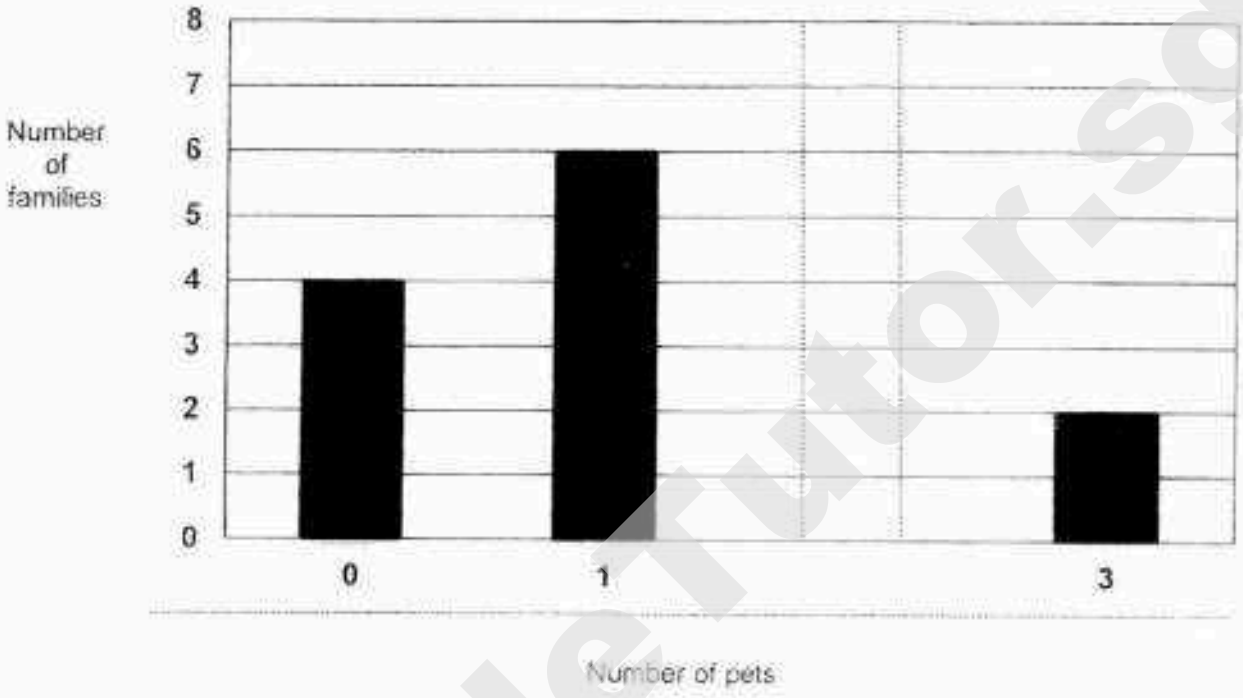
Ans: _____ cm^2

Sub-Total :

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29. The bar graph shows the number of pets owned by the families living in a block of flats. There are a total of 20 pets in the block. The bar that shows the number of families that has 2 pets is not drawn. Draw this bar in the bar graphs below.

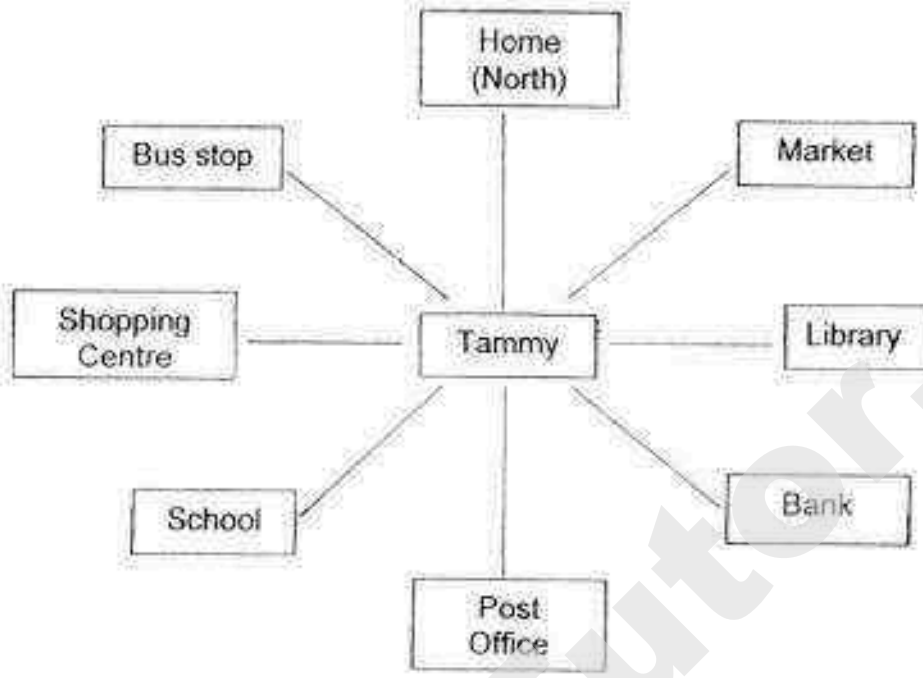


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30. Study the diagram and answer questions (i) and (ii).



Tammy was facing her home at first. She then took the following steps in order to face her intended destination.

Step 1 : She turned to face East.
Step 2 : She turned 135° clockwise.
Step 3 : She turned 90° anticlockwise.

At the end of Step 3, she realised that she could face her intended destination without going through steps 2 and 3.

(i) Fill in '**clockwise**' or '**anticlockwise**' in the blank.

She should have turned 45° _____ after Step 1 to face her intended destination.

Ans: _____

(ii) Where was her intended destination?

Ans: _____

End of Paper

Sub-Total : [ ]

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Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2016)

PRIMARY 5

MATHEMATICS

PAPER 2

Friday **6 May 2016** **1 h 40 min**

Name:_____( ) Class: 5 ( ) Parent's Signature:_____

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 Answer ALL questions.

4 You can use a calculator for this paper.

Paper	Booklet	Possible Marks	Marks Obtained
1	A	20	
	B	20	
2		60	
Total		100	

This question paper consists of 15 printed pages (inclusive of cover page).

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

1. Mrs Chen bought apples at the price shown below.

   What was the greatest number of apples that she could buy with $15?



Ans: _____

2. Alfred answered 20 questions in a test. He took 2 min for each of the first 5 questions and 5 min for each of the remaining questions. The test started at 8.10 a.m. At what time did Alfred complete his test?

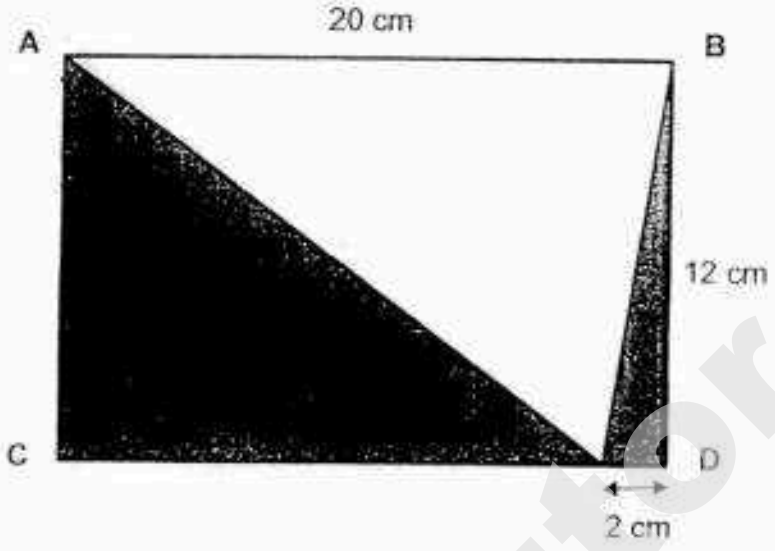
Ans: _____ a.m.

Sub-Total : [ ]

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3. In the figure below, ABCD is a rectangle. Find the area of the shaded part.



Ans: _____ cm^2

4. Elsie bought 1 m of cloth. She used $\frac{1}{3}$ m of it to make a cushion cover. She then used $\frac{1}{4}$ of the remaining cloth to make a ribbon. How much cloth did she use to make the ribbon? Give your answer in metres.

Ans: _____ m

Sub-Total :

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5. Muthu and Leela shared some money in the ratio 3 : 5. Leela had $26 more than Muthu. How much money did they have altogether?

Ans: $_____

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Sub-Total :

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For Questions **6** to **18**, 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. (50 marks)

---

6. There are a total of 176 blue and red pens. There are 48 more blue pens than red pens. What is the ratio of the number of blue pens to the number of red pens? Give your answer in simplest form.

Ans: _____ [3]

7. Eunice spent $56 on 17 mangoes and 6 apples. A mango costs twice as much as an apple. What was the total cost of 1 mango and 1 apple?

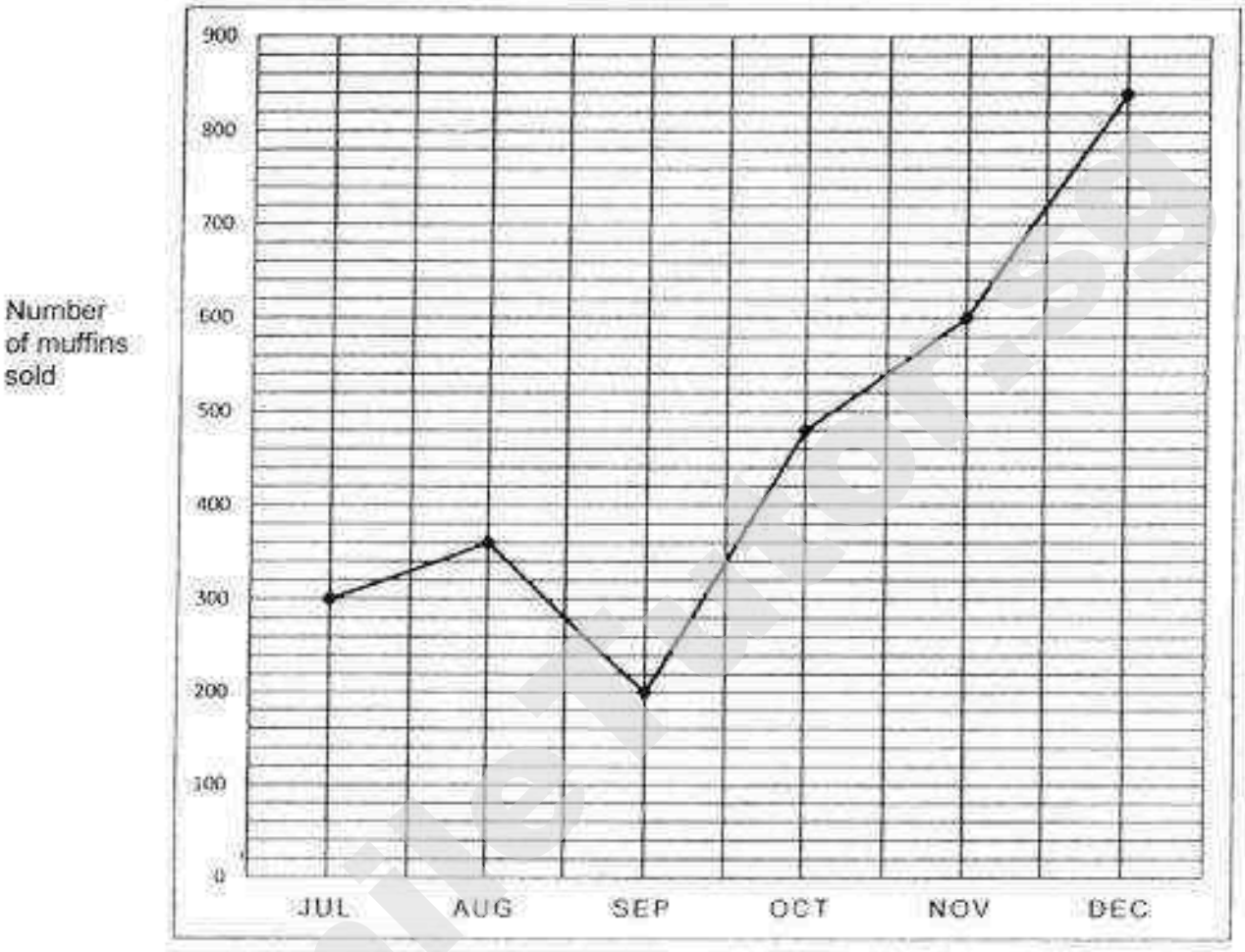
Ans: _____ [3]

Sub-Total :

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8. The graph below shows the number of muffins sold each month by a bakery from July to December in 2015.



(a) In which month were the least muffins sold?

(b) What was the total number of muffins sold in the last 3 months of the year?

Ans: (a)_____ [1]

(b)_____ [2]

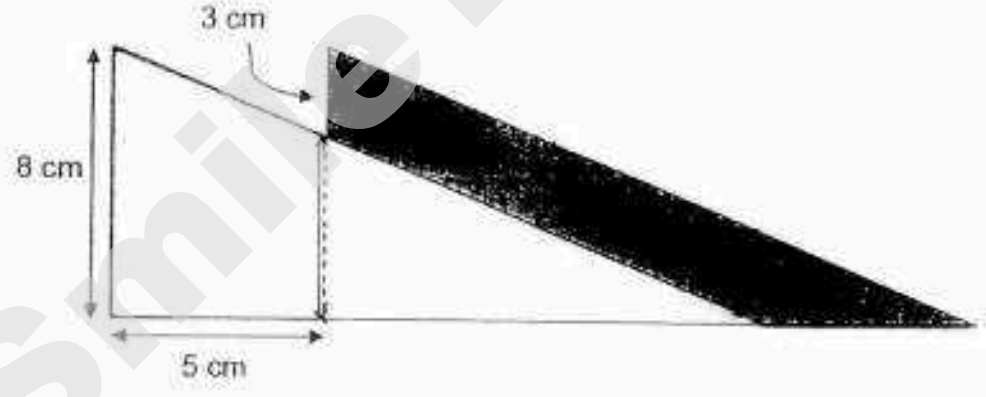
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9. April and May went shopping for clothes. April bought 4 dresses and 3 blouses for $252. May bought 3 dresses and 6 blouses for $279. How much does each dress cost?

Ans: _____ [3]

10. The figure shows two identical right-angled triangles overlapping each other. Find the area of the shaded part.



Ans: _____ [3]

Sub-Total :

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11. Mr Chong paid $348 for the tickets to "Shrack the Musical" at the prices shown below. How many tickets did he buy?



Ans: _____ [4]

Sub-Total :

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12. A box contained red, white and purple buttons. $\frac{2}{5}$ of the buttons were red and $\frac{2}{9}$ of the remainder were white buttons. The rest were purple buttons.

(a) Find the ratio of the number of purple buttons to the number of red buttons.

(b) There were 160 fewer white buttons than red buttons. How many buttons were there in the box?

Ans: (a)_____ [1]

(b)_____ [3]

Sub-Total :

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13. Tickets for a drama performance were sold to senior citizens, adults and children at different prices as shown below.

	Price per Ticket
Child	$4
Senior Citizen	$6
Adult	$8

$\frac{1}{4}$ of the tickets sold were bought by senior citizens and $\frac{1}{3}$ of them were bought by adults. The rest were bought by children.

(a) What fraction of the tickets sold were bought by children?

(b) A total amount of $2240 was collected from the sale of the tickets. How many children bought the tickets?

Ans: (a) _____ [1]

(b) _____ [3]

Sub-Total :

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14. There were twice as many chicken pies as durian puffs at a bakery. After $\frac{1}{2}$ of the chicken pies and $\frac{1}{4}$ of the durian puffs were sold, there were a total of 196 chicken pies and durian puffs left at the bakery.

(a) How many durian puffs were sold?

(b) What was the total number of chicken pies and durian puffs at the bakery at first?

Ans: (a)_____ [2]

(b)_____ [2]

Sub-Total :

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15. Ben had some money. He spent $10 on 3 notebooks and 7 pencils. He is short of $0.40 if he were to buy another notebook. However, if he were to buy one more pencil, he will have $0.60 left over.

(a) How much more does a notebook cost than a pencil?

(b) How much money does Ben have?

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Ans: (a)_____ [1]

(b)_____ [3]

Sub-Total :

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16. There were a total of 904 goats, cows, chickens and ducks at a farm. The number of chickens was 324 more than the number of goats. The total number of cows and ducks was 2 times the number of goats.

(a) How many cows and ducks were there at the farm?

(b) The total number of legs for all the cows and ducks was 910. Given that each cow has 4 legs and each duck has 2 legs, how many cows were there in the farm?

Ans: (a) _____ [2]

(b) _____ [3]

Sub-Total :

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17. Hazim spent $\frac{1}{4}$ of his money and an additional \$6 on a bag. He then spent $\frac{3}{5}$ of the remaining money and an additional \$12 on a watch. He then spent \$20 of his money on food and had \$16 left. How much money did Hazim have at first?

Ans: _____ [5]

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Sub-Total :

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18. Sandy, Tina and Vivian baked some tarts. Sandy and Tina baked $\frac{3}{4}$ of the tarts. Tina and Vivian baked $\frac{3}{5}$ of the tarts. Sandy and Vivian baked 520 tarts altogether.

(a) What fraction of the tarts did Sandy and Vivian bake altogether?

(b) How many tarts did the three girls bake in total?

Ans: (a) _____ [2]

(b) _____ [3]

End of Paper 2

Sub-Total :

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EXAM PAPER 2016

SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)
SUBJECT : MATHEMATICS
TERM : SA1

PAPER 1
SECTION A

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

SECTION B

Q16. 5890 Q17. 84 Q18. 16 Q19. 14 eights Q20. 2 Q21. 30cm

Q22. 15 more squares Q23. 28 ml Q24. 3 squares Q25. 13.5cm^2

Q26. 56 marbles Q27. 48 children Q28.81 cm^2 Q29. 4 families

Q30(i) Clockwise (ii) The bank

PAPER 2

Q1. Groups of 3 = 15÷2

= 7R1

Apples = 7 X 3

= 21

Q2. Time = (5 X 2) + (5 X 15)

= 85

8.10 a.m →85min→9.35a.m Answer: 9.35 a.m

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Q3. Shaded part = half of rectangle

Shaded part = ½ X 10 X 12

= 120 Answer: $120cm^2$

Q4. Remaining = 1m – 1/3 m

= 2/3 m

Ribbon= 2/3 X ¼

= 1/6 Answer: 1/6m

Q5. 2u = $26

Total = 3u + 5u

= 8u

8u = 26 X 4

= 104 Answer: $104

Q6. Blue pens = (176 + 48) ÷ 2

= 112

Red pens = 112 – 48

= 64

Blue : Red

112:64

7:4 Answer: 7:4

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Q7. 17m + 6a = $56

17a + 17a + 6a = $56

40a = $56

1a = $56 ÷ 40

= $1.40

1 mango = $1.40 X 2

= $2.80

1 mango + 1 apple = $2.80 + $1.40

= $4.20 Answer: $4.20

Q8(a) September

(b) muffins = 480 + 600 + 840

= 1920 Answer: 1920

Q9. 4d + 3b = $252

3d + 6b = $279

8d +6b = $504

5d = $504 - $279

= $225

1d = $225 ÷ 5

= $45 Answer: $45

Q10. Area of square = 5 X 5

Area of small triangle = ½ X 5 X 3

= 7.5

Shaded area = 25 + 7.5

= 32.5 Answer: 32.5cm^2

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Q11. 1 group = $12 X 4 ÷ 6

= $42

Groups = $348 ÷ $42

= 8R12

$12 = 1 ticket

Tickets = 8 X 4 + 1

= 33 Answer: 33 tickets

Q12(a) 1 – 2/5 = 3/5

1 – 2/9 = 7/9

Purple = 7/9 X 3/5 = 7/15

2/5 = 6/15

Red = 6u

Purple = 7u

Purple : Red

7 : 6 Answer: 7:6

(b) White = 3/5 X 2/9 = 2/15

= 2u

160 buttons = 6u – 2u = 4u

4u = 160

1u = 40

15u = 600 Answer: 600 buttons

Q13(a) Children = 1 – ¼ - 1/3

= 5/12 Answer: 5/12

(b) 5u X $4 = 20u

3u X $6 = 18u

4u X $8 = 32u

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Units = 20u + 18u + 32u

= 70u

1u = 2240 ÷ 70

= 72

5u = 32 X 5

=160 Answer: 160 children

Q14(a) 7u = 196

1u = 196 ÷ 7

= 28 Answer: 28 durian puffs

(b) 12u = 28 X 12

= 336 Answer: 336 pastries

Q15(a) Extra = $0.40 + $0.60

= $1 Answer: $1

(b) Total extra = $1 X 3

=$3

10 pencils = $10 - $3

= $7

1 pencil = $7 ÷ 10

= $0.70

Total = $10 + $0.70 + $0.60

= $11.30 Answer: $11.30

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Q16(a) 904 - 324 = 580

580 ÷ 4 = 145

145 X 2 = 290 Answer: 290 cows and ducks

(b) 290 X 2 = 580

910 – 580 = 330

4 – 2 = 2

330 ÷ 2 = 165 Answer: 165 cows

Q17. 2/5 of the remainder = $36 +$12

= $48

1/5 of the remainder = $48 ÷ 2

= $24

Remainder = $24 X 5

= $120

¾ = $120 + $6

= $126

¼ = $126 ÷ 3

= $42

Total = $42 X 4

= $168 Answer: $168

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Q18(a) V : S + T : Total S : T + V : Total

5 : 15 : 20 8 : 12 : 20

S + V = 5u + 8u

= 13/20 Answer: 13/20

(b) 13u = 520

1u = 520 ÷ 13

= 40

20u = 40 X 20

= 800 Answer: 800 tarts

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END

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Name: _____( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semesterai Assessment One

Paper 1

Booklet A

10 May 2016

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 50 MINUTES

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ANSWER ALL QUESTIONS.
THE USE OF CALCULATORS IS NOT ALLOWED.

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

---

1. Round off 786 594 to the nearest hundred.

   1) 786 000

   2) 786 500

   3) 786 600

   4) 787 000

2. What is the missing number in the box?

   $20 \times \boxed{?} = 20\,000$

   1) 100

   2) 1000

   3) 4000

   4) 40 000

3. Express $1\frac{5}{8}$ as a decimal.

   1) 1.125

   2) 1.58

   3) 1.625

   4) 1.85

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4. Gwen and Penny shared $252 in the ratio 2 : 7. How much did Penny have?

1) $126

2) $140

3) $196

4) $224

5. Which of the following fractions is smaller than $\frac{5}{9}$?

1) $\frac{11}{18}$

2) $\frac{4}{27}$

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

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

6. Which of the following does not have the same value as $\frac{3}{4} - \frac{1}{8}$?

1) $1 - \frac{9}{24}$

2) $\frac{1}{2} + \frac{1}{8}$

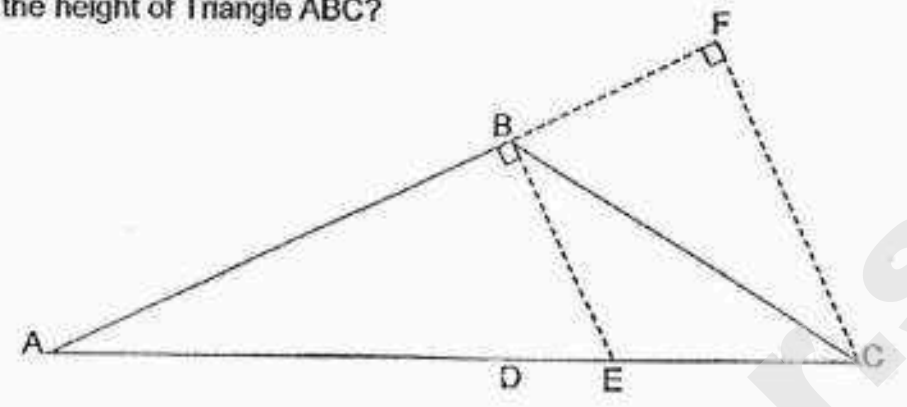
3) $\frac{1}{8} \div 5$

4) $20 \times \frac{1}{32}$

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7. Look at the figure below. AB is the base of Triangle ABC. What is the height of Triangle ABC?



1) AC

2) BC

3) BE

4) CF

8. There are 420 participants at an audition. $\frac{5}{6}$ of the participants are Singaporeans. Among the Singaporeans, 190 of them are females. How many of the Singaporeans are males?

1) 120

2) 160

3) 190

4) 350

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9. Kim Si used $\frac{9}{10}$ kg of flour to bake some muffins and bread. She used $\frac{1}{3}$ of the flour to bake muffins. How much flour did she use to bake the muffins?

1) $\frac{3}{10}$ kg

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

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

4) $1\frac{7}{10}$ kg

10. Dillis bought 4 similar chiffon cakes. She cut each chiffon cake into 9 equal pieces. She gave 2 pieces to each of her 3 friends. What fraction of the chiffon cakes did she have left?

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

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

3) $\frac{1}{18}$

4) $\frac{17}{18}$

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11 Takumi has $16 worth of coins. 12 of them are 50¢ coins and 5 of them are 20¢ coins. The rest are $1 coins. How many coins does Takumi have altogether?

1) 9

2) 18

3) 26

4) 33

12. Alison had 28 more figurines than Ben at first. Ben gave 10 of his figurines to Alison. In the end, Alison had 4 times as many figurines as Ben. How many figurines did Alison have at first?

1) 40

2) 50

3) 54

4) 64

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13. The table below shows the prices of some seafood items in All's Well Supermarket.

Fish	$2.05 per 200 g
Prawns	$6 per 250 g

Asher bought 1 kg of fish and 1 kg of prawns. How much did he pay for all his purchases?

1) $32.20

2) $34.25

3) $36.50

4) $38.20

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14. At a camp, the ratio of the number of children who wears spectacles to the total number of children is 2 : 5. 98 boys and 112 girls do not wear spectacles. How many children are there at the camp?

1) 315

2) 350

3) 525

4) 735

15. Erika had 3 kg of durian. She used $2\frac{1}{5}$ kg of it to make a durian cake and $\frac{2}{3}$ of the remainder to make durian ice cream. How many kilograms of durian did she have left?

1) $\frac{2}{15}$ kg

2) $\frac{4}{15}$ kg

3) $\frac{7}{15}$ kg

4) $\frac{8}{15}$ kg

End of Booklet A

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Name: _____ ( )

Class: Primary 5_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semestral Assessment One

Paper 1

Booklet B

10 May 2016

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 50 MINUTES

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Questions **16 to 25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

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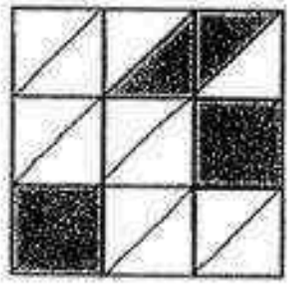
16. Write one million, ninety thousand and five in figures.

Ans : _____

17. 960 ÷ 60 + 3 x 10 = _____.

Ans : _____

18. The figure below is made up of squares of the same size. What is the ratio of the number of unshaded parts to the number of shaded parts? Give your answer in the simplest form.



Ans : _____

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19. Express $\frac{7}{9}$ as a decimal. Leave your answer correct to 1 decimal place.

Do not write in this space

Ans : _____

20. Express $36 \div 8$ as a mixed number. Give your answer in the simplest form.

Ans : _____

21. Use all the digits below to form the greatest 5-digit number that becomes 16 000 when rounded off to the nearest thousand. Each digit is to be used once only.

Ans : _____

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22. The table below shows the savings of 4 children.

Children	Savings
Shaun	$24
Bi Shun	$10
Teng Li	$14
En Lai	$28

Which 2 children have savings in the ratio 7 : 12 respectively?

Ans : _____ and _____

Do not write in this space

23. Da Tong spent $126 on a camera and had $\frac{5}{6}$ of his money left. How much money did he have at first?

Ans : $_____

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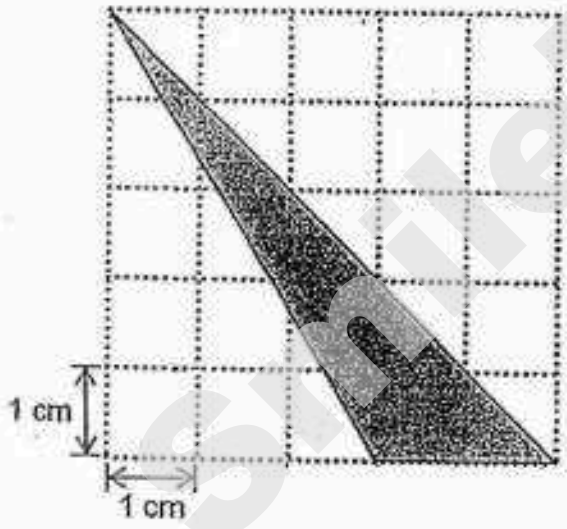
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24. Tommy took home $\frac{1}{3}$ of a cake from a party. He then ate $\frac{1}{3}$ of the cake that he took home. What fraction of the whole cake was he left with?

Do not write in this space

Ans : _____

25. What is the area of the shaded triangle?



Ans : _____ cm^2

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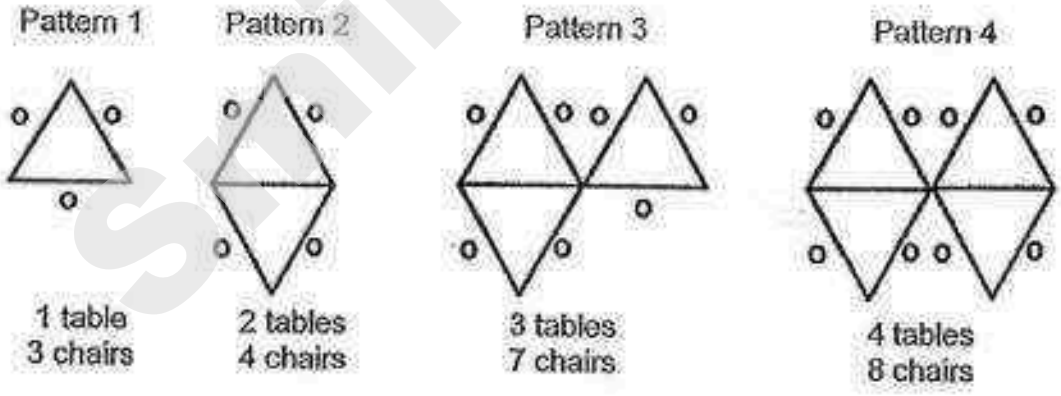
Questions 26 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

26. The ratio of the number of beads in Box A to the number of beads in Box B is 1 : 3. There are 960 more beads in Box B than in Box A. 76 beads in Box A are black in colour. How many of the beads in Box A are not black in colour?

Ans : _____

27. Some tables and chairs are arranged as shown below.



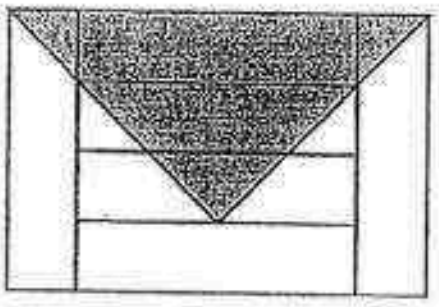
How many chairs will there be in Pattern 8?

Ans : _____

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28. The figure below is made up of 6 similar rectangles of length 20 cm. Find the area of the shaded parts.



Do not write in this space

Ans : _____ cm^2

29. The table below shows the operating hours of a clinic.

	Opening hours
Weekdays	9.30 a.m. to 2. p.m. Closed for Break : 2.00 p.m. to 4.15 p.m. 4.15 p.m. to 9. 45 p.m.
Saturdays and Sundays	9.00 a.m. to 3.30 p.m.

How many hours does the clinic operate from Sunday to Thursday altogether?

Ans : _____ h

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30. Bin Bin thought of a fraction. He multiplied the fraction by 25. Then he added 8 to the answer. He got 23 as the answer. What is the fraction that Bin Bin thought of? Express the answer in the simplest form.

Do not write in this space

Ans : _____

End of Paper 1

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Name: _____ ( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semestral Assessment One

Paper 2

10 May 2016

Paper 1	40
Paper 2	60
Total Marks	100

Parent's/Guardian's Signature

TOTAL TIME FOR PAPER 2 : 1 HOUR 40 MINUTES

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

Do not write in this space

1. Look at the pictures below. Which printer is faster?



Printer P
140 pages in 5 min



Printer Q
208 pages in 8 min

Ans : Printer _____

2. A cashier received $1932 for a month's work. She worked 12 hours a day and was paid $7 per hour. How many days did she work in that month?

Ans : _____

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3. Figure A shows a rectangular sheet of paper. Nellie cut it into 22 identical triangles, one of which is shown in Figure B. There was no paper left over. What was the area of the rectangular sheet of paper before it was cut?

Do not write in this space

Figure A

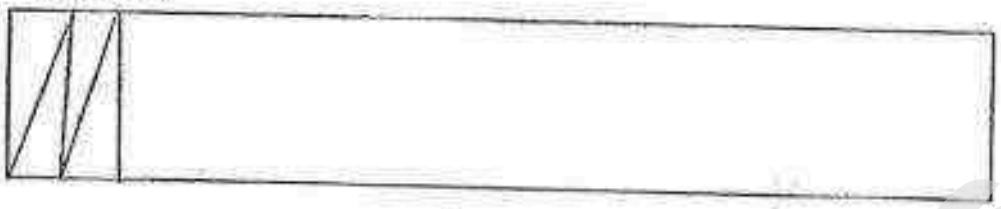
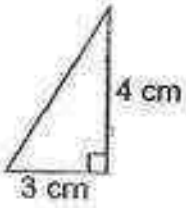


Figure B



Ans : _____ cm^2

4. A repeated pattern is formed using the numbers 1 and 9. The first ~~15~~ 20 numbers are shown below.

9 1 1 1 9 9 1 1 1 9 9 1 1 1 9 9 1 1 1 9 ...

1st 2nd 3rd 20th

Find the sum of the first 500 numbers.

Ans : _____

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5. Aloysius measures his height using a tape measure, as shown below. Five years ago, he was 1.38 m. How much has he grown in five years?



Do not write in this space

Ans : _____ m

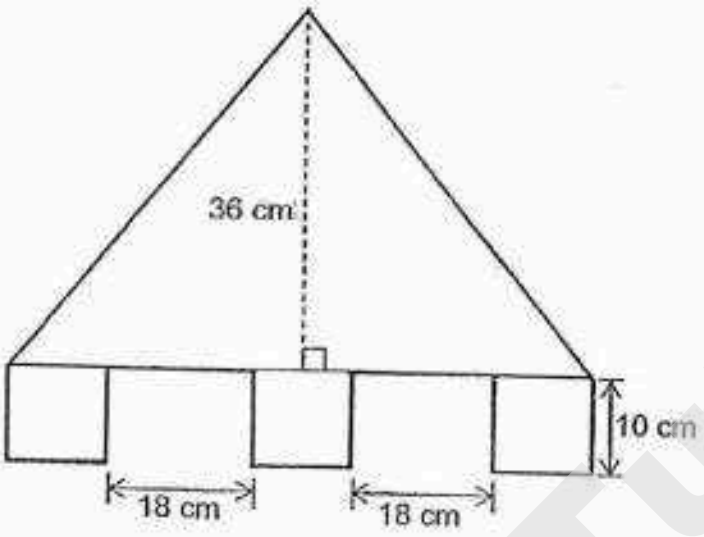
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For questions **6** to **18**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets ( ) at the end of each question or part-question. (50 marks)

Do not write in this space

6. The shaded figure below is made up of 3 identical squares of side 10 cm and a triangle with a height of 36 cm. What is the area of the shaded figure?



Ans : _____ [3]

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7. At first, Ayumi had $154 and Eun Soon had $298. Then Eun Soon spent $89 on a pair of jeans and Ayumi received $200 from her grandfather. In the end, what is the ratio of the amount of money Ayumi had to the amount of money Eun Soon had? Give your answer in the simplest form.

Do not write in this space

Ans : _____ [3]

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8. Mrs Quah gave a sum of money to her three children, Emma, Florence and Gideon. Emma received $1488 and this was $\frac{1}{3}$ of the sum of money. Gideon received 5 times as much money as Florence. How much money did Florence receive?

Do not write in this space

Ans : _____ [3]

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9.



Tiffany bought 24 Aloe Vera Face Masks as a Mother's Day gift. How much did she have to pay?

Do not write in this space

Ans : _____ [3]

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10. Pearlyn had a total of 7 notes. Some were $5 notes and some were $10 notes. What could be the smallest and largest possible amounts of money she had in her purse?

Do not write in this space

Ans : Smallest possible amount → _____

Largest possible amount → _____ [3]

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11. Nestor needed exactly 90 m of cloth to make 18 small identical banners and 9 big identical banners. He had some cloth which was just enough to make all the small banners and 5 big banners. He used $121\frac{1}{2}$ cm for each small banner.

(a) How much cloth would he need to make 1 big banner?

(b) How much cloth was he short of to make the remaining big banners?

Do not write in this space

Ans : (a) _____ [3]

(b) _____ [1]

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12. Pierre, Kelsey and Titus shared some magnets.

Pierre took 6 more than $\frac{1}{4}$ of the magnets.

Kelsey took 2 more than $\frac{2}{3}$ of the rest of the magnets.

Titus took the last 12 magnets. How many magnets did Kelsey take?

Do not write in this space

Ans : _____ [4]

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13. The ratio of the number of children to the number of adults at a concert was 8 : 11 . There were 208 boys. There were 40 fewer girls than boys. How many more adults than children were at the concert?

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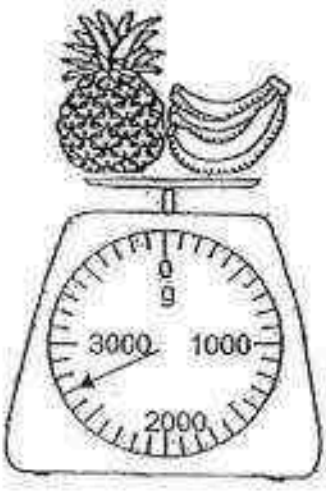
Ans : _____ [4]

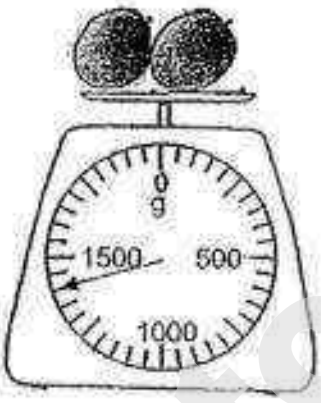
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14. The figures below show 3 different fruits, a pineapple, a bunch of bananas and 2 similar mangoes. The mass of a mango is $\frac{2}{3}$ of the mass of the bunch of bananas.

Do not write in this space





(a) Find the mass of the bunch of bananas.

(b) Find the mass of the pineapple.

Ans : (a) _____ [3]

(b) _____ [1]

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15. A group of children shared some balloons among themselves.
They tried taking 12 balloons each, but found that the last child had only 8 balloons. When each child took 9 balloons, there were 38 balloons left over.
How many balloons were there altogether?

Do not write in this space

Ans : _____ [4]

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16. A group of Primary 5 pupils took part in the Swim Safer Programme. $\frac{1}{3}$ of the boys and $\frac{1}{4}$ of the girls were swimmers. There were 77 swimmers in total and $\frac{3}{7}$ of them were boys.

(a) How many Primary 5 pupils took part in the Swim Safer Programme?

(b) What fraction of the Primary 5 pupils were swimmers? Leave your answer in the simplest form.

Do not write in this space

Ans : (a) _____ [4]

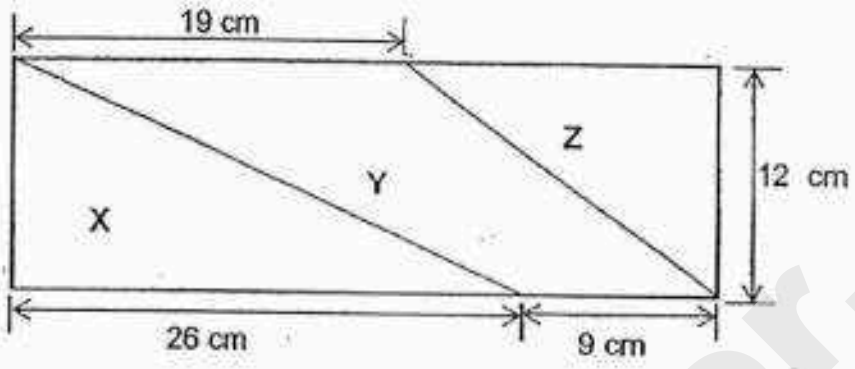
(b) _____ [1]

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17. The figure below shows a rectangular piece of paper. It is cut into 3 parts, X, Y and Z. Find the ratio of the area of the rectangular piece of paper to the area of Y. Leave your answer in the simplest form.

Do not write in this space



Ans : _____ [5]

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18. At first, there were 410 more men than women at an exhibition. At lunch time, a total of 250 men and women left the exhibition. There were as many men as women who left the exhibition. In the end, there were 3 times as many men as women who remained behind. How many men were at the exhibition at first?

Do not write in this space

Ans : _____ [5]

End of Paper

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EXAM PAPER 2016 (P5)

SCHOOL : CHIJ

SUBJECT : MATHEMATICS

TERM : SA1

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

16)1090005 17)46 18)2:1 19)0.8 20)4½

21)16095 22)Teng Li and Shaun 23)$756 24)2/9

25) ½ X 2 X 5 = 5CM2 26)2u→960 27)16

1u→480

480 – 76 = 404

28)20÷4 = 5

5 + 5 + 20 = 30

5 + 5 + 5 =15

30 x 15 = 450

450÷2 = 225cm2

29)Sunday→9.00 ~ 3.30→6.5h

9.30 –2pm→4.5 h

4.15 – 9.15→5.5 h

4.15→9.45→5 h 30min

6.5+ 4.5 + 5.5h = 46½ h

30)3/5

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Paper 2

1)P

2)$ a day→12 x $7 = $84
$1932 ÷ $84 = 23 days

3) ½ x 3cm x 4cm = 6cm2
6cm2 x 22 = 132cm2

4)500 ÷ 20 = 25 (groups)
9+1+1+1+9+9+1+1+1+9+9+1+1+1+9+9+1+1+1+9 = 84
84 x 25 = 2100

5)1.77m – 1.38m = 0.39 m

6)10 + 8 + 10 +18 +10 = 56.
½ x 66 x 36 = 1188
10 x 10 = 100
100 x 3 = 300
300 + 1188 = 1488cm2

7)After→$298 – $89 = $209
A at first→$154
After→$154 + $200 = $354
Ans: 354 : 209

8)$1488→1/3 of money
3/8 → ?
$1488 x 3 = $4464
$4464 – $1488 = $2976
$2976 ÷ 6 = $496

9)24 ÷ 6 = 4
4 x $44.95 = $179.80

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10) 7 notes
$5 x 6 = $30
$10 x 1 = $10
$30 + $10 = $40

7 notes
$5 x 1 = $5
$10 x 6 = $60
$60 + $5 = $65

11)a)121 ½ x 18 = 2187
9000 – 2187 = 6813
6813 ÷ 9 = 757cm
b)757 x 4 = 3028cm

12)1u→12 + 2 = 14
3u→14 x 3 = 42
14 x 2 = 28
28 + 2 = 30

13)208 – 40 = 168 (no.of girls)
168 + 208 = 376
376 ÷ 8 = 47
11 – 8 = 3
47 x 3 = 141

14)a)1400 ÷ 2 = 700
700 ÷ 2 = 350
350 x 3 = 1050g
b)2700 – 1050 = 1650g

15)12 – 8 = 4
38 + 4 = 42
12 – 9 = 3
42→3u
1u→42 ÷ 3 = 14
14 x 9 = 126
126 + 38 = 164

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16)a)77 x 3/7 = 33
77 − 33 = 44
7u→77
1u→77 ÷ 7 = 11
3 x 33 = 99
4 x 44 = 176
99 + 176 = 275
b)7/25

17)26 + 9 = 35
35 − 19 = 16
35 x 12 = 420
½ x 16 x 12 = 96
½ x 26 x 12 = 156
156 + 96 = 252
420 − 252 = 168
420 : 168
5 : 2

18)2u→410 ÷ 2 = 205
250 ÷ 2 = 125
MA→205 x 3 = 615
615 + 125 = 740

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16

HENRY PARK PRIMARY SCHOOL
2016 SEMESTRAL EXAMINATION 1
MATHEMATICS
PRIMARY 5

PAPER 1
(BOOKLET A)

Name: _____ ( ) Parent's Signature

Class: Primary 5_____ _____

Marks:

Paper 1	Booklet A	20
	Booklet B	20
Paper 2		60
Total		100

Total Time for Booklets A and B: 50 min

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Shade your answers in the Optical Answer Sheet (OAS) provided.
You are **not** allowed to use a calculator.

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Booklet A:
Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each of the questions, four options are given. One of them is the correct answer. Choose the correct answer (1, 2, 3 or 4). Shade the correct oval on the Optical Answer Sheet provided.

(20 marks)

1. In 4 080 101, what does the digit '8' stand for?

(1) 800 000
(2) 80 000
(3) 8000
(4) 800

2. Round off 43 507 to the nearest thousand.

(1) 43 000
(2) 43 500
(3) 44 000
(4) 44 500

3. $30 - 2 \times 4 + 24 \div 4 =$ _____

(1) 16
(2) 22
(3) 28
(4) 34

4. How many sixths are there in $3\frac{5}{6}$?

(1) 5
(2) 15
(3) 18
(4) 23

(Go on to the next page)

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5. $\frac{3}{7} \div 6$ is the same as _____.

(1) $\frac{3}{7} \times \frac{1}{6}$

(2) $\frac{3}{7} \times \frac{6}{1}$

(3) $\frac{7}{3} \times \frac{1}{6}$

(4) $\frac{7}{3} \times \frac{6}{1}$

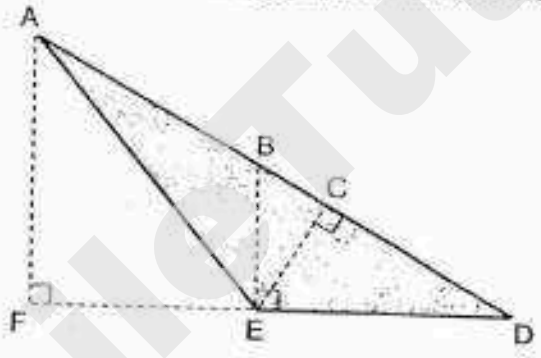
6. Given that ED is the base of the triangle AED, what is its height?

(1) AF

(2) AE

(3) BE

(4) CE



7. Max had 78 beads. He packed them equally into 6 boxes and then gave away 4 of the boxes. How many beads did he give away?

Which one of the following expressions correctly describes the statement above?

(1) 78 + 6 – 4
(2) 78 + (6 – 4)
(3) 78 + (6 x 4)
(4) 78 + 6 x 4

(Go on to the next page)

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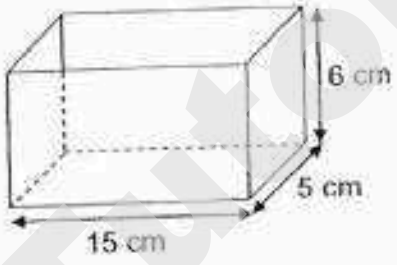
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8. Beng Huat painted $\frac{2}{3}$ of a stick. What is the ratio of the unpainted portion of the stick to the painted portion of the stick?

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

9. Find the volume of the cuboid shown below.

(1) 180 cm^3
(2) 390 cm^3
(3) 450 cm^3
(4) 540 cm^3



10. Which of the following is the same as 5 060 $m\ell$?

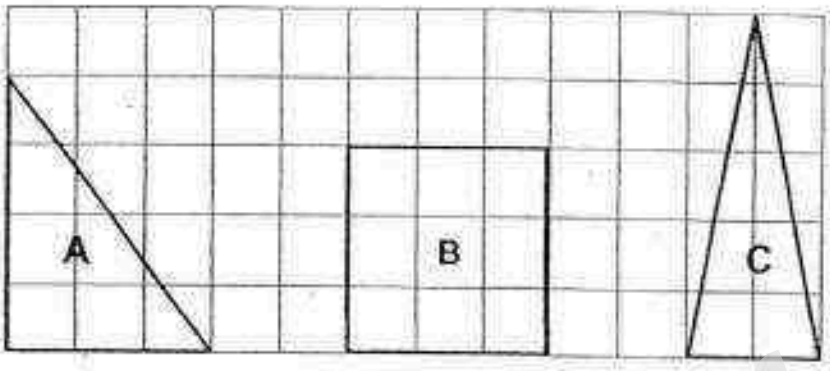
(1) 5 ℓ 6 $m\ell$
(2) 5 ℓ 60 $m\ell$
(3) 50 ℓ 6 $m\ell$
(4) 50 ℓ 60 $m\ell$

(Go on to the next page)

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11. In the square grid below, A is a right-angled triangle, B is a square and C is an isosceles triangle. Arrange A, B and C from the largest area to the smallest area.



	Largest		Smallest
(1)	A,	B,	C
(2)	B,	A,	C
(3)	B,	C,	A
(4)	C,	A,	B

12. Jenny and Meiling shared $96 between them. Jenny received $80. Find the ratio of Meiling's share to Jenny's share.

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

13. A bag contains 12 identical marbles. A few marbles are taken out from the bag. Which of the following is a possible ratio of the number of marbles remaining in the bag to the number of marbles taken out from the bag?

(1) 7 : 1
(2) 6 : 1
(3) 5 : 1
(4) 4 : 1

(Go on to the next page)

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14. Jessie used $\frac{3}{4}$ m of ribbon to tie a parcel.

The length of ribbon Kai Ling used to tie another parcel was $\frac{2}{3}$ as long as the length of ribbon Jessie used. What was the total length of ribbon used by both Jessie and Kai Ling?

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

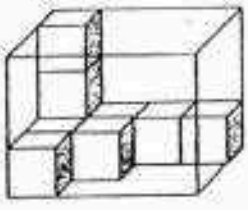
(2) $\frac{5}{7}$ m

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

(4) $1\frac{5}{12}$ m

15. How many **more** cubes are needed to fill the clear rectangular tank completely?

(1) 28
(2) 27
(3) 15
(4) 9



(Go on to Booklet B)

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HENRY PARK PRIMARY SCHOOL
2016 SEMESTRAL EXAMINATION 1
MATHEMATICS
PRIMARY 5

PAPER 1
(BOOKLET B)

Name: _____ ( )

Class: Primary 5 _____

/20

Total Time for Booklets A and B: 50 min

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

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

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

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Booklet B:
Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

(10 marks)

16. When Karen rounded off a number to the nearest thousand, the result was 4000. What was the smallest possible 4-digit number that Karen had rounded off?

Do not write in this space

Ans: _____

17. Find the missing number in the box below.

900 000 + [?] + 40 + 2 = 901 742

Ans: _____

(Go on to the next page)

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18. What is the ~~reminder~~ remainder when 180 is divided by 40?

Do not write in this space

Ans: _____

19. Express 6.35 as a mixed number in its simplest form.

Ans: _____

(Go on to the next page)

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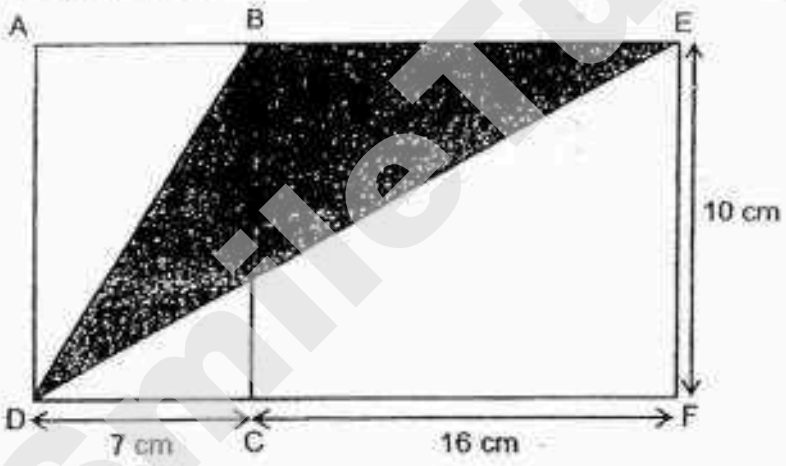
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20. Find the value of $8\frac{4}{7} - 5\frac{1}{2}$.
Give your answer in the simplest form.

Do not write in this space

Ans: _____

21. 2 rectangles, ABCD and BEFC were placed side by side to form a larger rectangle as shown below. Find the area of the shaded triangle BED.



Ans: _____ cm^2

(Go on to the next page)

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22. What is the missing number in the box?

4 : 6 = 12 : ?

Do not write in this space

Ans: _____

23. The sides of a triangle are in the ratio 5 : 2 : 3. The length of the longest side is 20 cm. Find the length of the shortest side of the triangle.

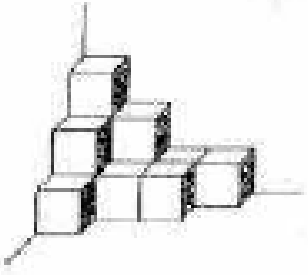
Ans: _____ cm

(Go on to the next page)

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



Ans: _____ cm^3

Do not write in this space

25. Find the volume of a 4-cm cube.

Ans: _____ cm^3

(Go on to the next page)

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Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

26. The table shows the charges of a magic show performance.

First 2 hours	$100 per hour
Every additional hour or part thereof	$40

Miss Chan paid the magician $280 for a performance. What was the maximum number of hours the magician could have performed?

Ans: _____ h

27. 3 girls shared some stickers in the ratio of 1 : 2 : 4. They received a total of 56 stickers. How many stickers did the girl with the most number of stickers receive?

Ans: _____

Do not write in this space

(Go on to the next page)

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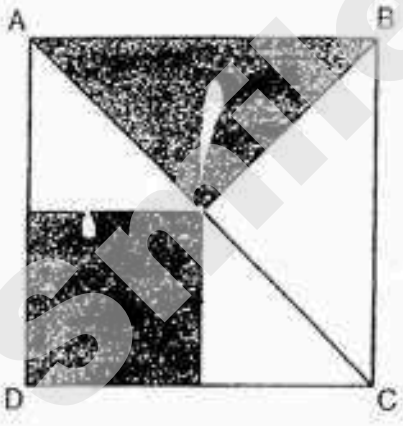
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28. What is the maximum number of 2-cm cubes that can be packed into a container measuring 10 cm by 9 cm by 4 cm?

Do not write in this space

Ans: _____

29. A square ABCD is made up of 1 small square, 2 identical small triangles and 2 identical large triangles. What fraction of the square ABCD is shaded?



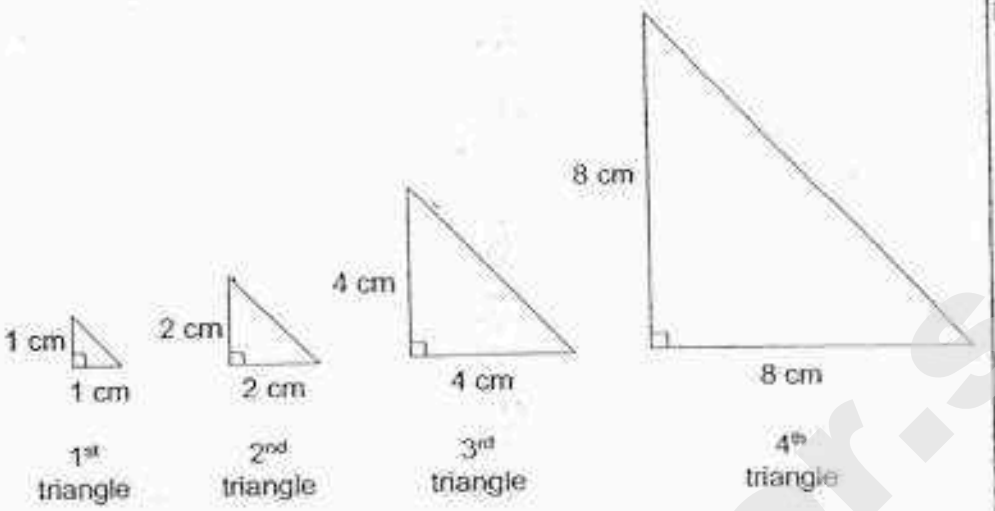
Ans: _____

(Go on to the next page)

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30. The diagram below shows a pattern of isosceles right-angled triangles.

Do not write in this space



What is the area of the 5th triangle in the pattern?

Ans: _____ cm^2

End of Paper

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HENRY PARK PRIMARY SCHOOL
2016 SEMESTRAL EXAMINATION 1
MATHEMATICS
PRIMARY 5

PAPER 2

Parent's Signature

_____

Name: _____ ( )

Class: Primary 5 _____

60

Time for Paper 2: 1 h 40 min

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

Follow all instructions carefully.

Answer all questions.

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

Write your answers in this booklet.

You are allowed to use a calculator.

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

(10 marks)

---

1. Bobby had some marbles. He gave $\frac{1}{3}$ of his marbles to Ken and $\frac{5}{6}$ of the remainder to Wendy. He had 78 marbles left. How many marbles did he give to Ken?

Do not write in this space

Ans: _____

2. When Carrie feeds her bird 13 seeds a day from a tin of seeds, that tin will last for 30 days. How many days will the same tin of seeds last when she feeds her bird 5 seeds a day instead?

Ans: _____

(Go on to the next page)

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Do not write in this space

3. A tank measuring 20 cm by 15 cm by 12 cm is $\frac{3}{10}$ filled with water. Find the volume of water in the tank.

Ans: _____ cm^3

4. Charles and Denny receive the same amount of salary every month. Charles saves $\frac{1}{3}$ of his salary while Denny saves $\frac{2}{5}$ of his salary. Charles saves $160 less than Denny every month. How much is Denny's monthly salary?

Ans: $_____

(Go on to the next page)

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5. A bag contains blue and green marbles in the ratio of 2 : 5.
There is a total of 91 marbles in the bag.
How many **more** blue marbles must be added into the bag so that the number of blue marbles will be the same as the number of green marbles?

Do not write in this space

Ans: _____

(Go on to the next page)

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For questions 6 to 18, 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.

(50 marks)

---

6. A teacher baked some cookies for his class party. When he gave each child 5 cookies, there would be 40 cookies left. When he gave each child 7 cookies, there would be 8 cookies left.

   (a) How many children were there at the class party?
   (b) How many cookies did the teacher bake for the party?

Do not write in this space

Ans: (a)_____ [3]

(b)_____ [1]

(Go on to the next page)

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7. Arissa paid $675 for 2 tables and 3 stools. The price of a table was thrice the price of a stool. How much did Arissa pay for the 2 tables?

Do not write in this space

Ans: _____ [3]

8. A packet of rice has a mass of $4\frac{3}{5}$ kg. Its mass is $1\frac{1}{3}$ kg more than a packet of flour. What is the total mass of the packets of rice and flour?

Do not write in this space

Ans: _____ [3]

(Go on to the next page)

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9. Timothy had a total of 430 red and blue balloons. After giving away $\frac{5}{9}$ of the red balloons and 66 blue balloons, there was an equal number of red and blue balloons left. How many red balloons did he have at first?

Do not write in this space

Ans: _____ [4]

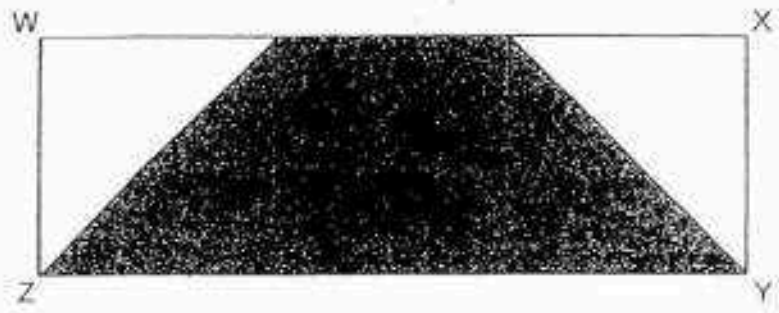
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10. Rectangle WXYZ below is made up of 3 identical squares. Given that the perimeter of rectangle WXYZ is 80 cm, find the total area of the unshaded parts.

Do not write in this space



Ans: _____ [3]

(Go on to the next page)

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11. A factory had 168 workers at first. The ratio of the number of male workers to the number of female workers was 2 : 1. After 24 female workers left the factory, what was the ratio of the number of male workers to the number of female workers remaining in the factory?

Do not write in this space

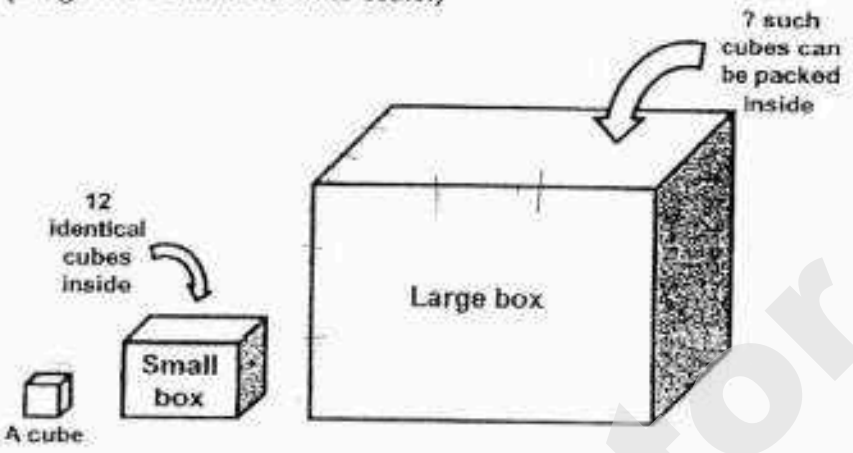
Ans: _____ [3]

(Go on to the next page)

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12. Min Lee has two rectangular boxes of different sizes.
The length, breadth and height of the large box are thrice those of the small box. She packed 12 identical cubes exactly into the small box.
How many such cubes can be packed exactly into the large box?
(Diagrams are not drawn to scale.)



Do not write in this space

Ans: _____ [3]

(Go on to the next page)

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13. The table below shows how much Eva saves daily. For each subsequent day, she saves $5 more than the previous day.

Day	Savings
1	$15
2	$20
3	$25
4	$30

(a) How much will Eva save on the Day 6?
(b) On which day will Eva save $80?
(c) How much savings will Eva have **in total** by the day found in part (b)?

Do not write in this space

Ans: (a) _____ [1]

(b) Day _____ [2]

(c) _____ [2]

(Go on to the next page)

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14. In a supermarket, a box of biscuits cost $3.50.
For every 10 boxes of biscuits purchased, an additional box of biscuits was given free. Ken made his purchase and left the supermarket with 47 boxes of biscuits. How much did Ken pay in total?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

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15. Rui Yin had 3 times as much money as Peter. After Rui Yin spent $\frac{1}{2}$ of her money and Peter spent $\frac{3}{5}$ of his money, they had a total of $1615 left.

a) How much money did Rui Yin and Peter have altogether at first?

b) Peter spent $\frac{3}{8}$ of his remaining money on a pair of shoes.
What fraction of his original amount of money did he spend on the pair of shoes?

Do not write in this space

Ans: a) _____ [3]

b) _____ [2]

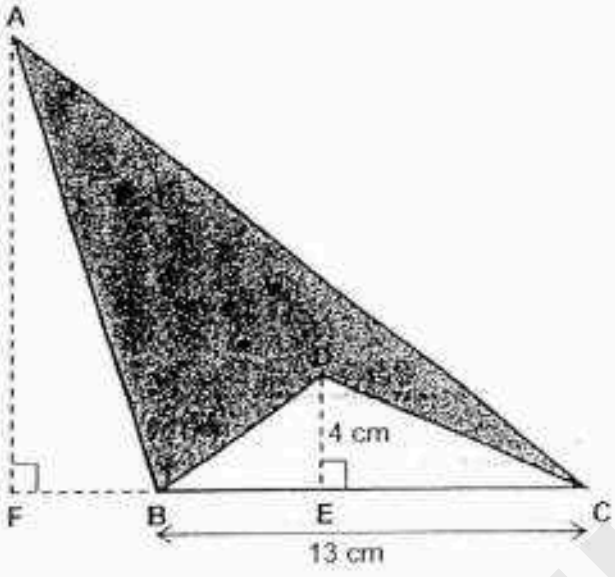
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16. Triangle ABC and triangle DBC share the same base BC. The height of triangle ABC is 4 times the height of triangle DBC. Given that DE is 4 cm and BC is 13 cm, find the area of the shaded part.

Do not write in this space



Ans: _____ [4]

(Go on to the next page)

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17. There were 207 green pens, 329 red pens, 68 round erasers and some square erasers in a stationery shop. The ratio of the total number of green and red pens to the total number of round and square erasers was 8 : 5. How many square erasers were there in the stationery shop?

Do not write in this space

Ans: _____ [4]

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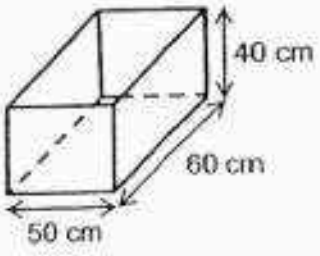
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18. A rectangular tank measuring 60 cm by 50 cm by 40 cm was filled with water to a height of 28 cm at first. After 8 completely filled identical jugs of water were poured into the tank, the new water level in the tank became 32 cm.

Do not write in this space

a) Find the volume of water in each jug in cubic centimetres.

b) How much **more** water would be needed to fill the tank completely? (Give your answer in litres.)



Ans:a)_____ [3]

b)_____ [2]

-END OF PAPER-

Setters: Mrs Josephine Lai, Ms Yew Hew Mei, Ms Grace Chan

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EXAM PAPER 2016

SCHOOL : HENRY PARK PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS
TERM : SA1

PAPER 1
Booklet A

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

Booklet B

Q16 3500

Q17 1700

Q18 20

Q19 $6\frac{7}{20}$

Q20 $3\frac{1}{14}$

Q21 80

Q22 18

Q23 8

Q24 12

Q25 64

Q26 4

Q27 32

Q28 40

Q29 $\frac{1}{2}$

Q30 128

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PAPER 2

Q1 78 X 3 = **234**

Q2 13 X 30 = 390
390 ÷ 5 = **78**

Q3 20 X 15 = 3600
3600 ÷ 10 = 360
360 X 3 = **1080**

Q4 $\frac{1 \times 5}{3 \times 5} = \frac{5}{15}$
$\frac{2 \times 3}{5 \times 3} = \frac{6}{15}$
6 – 5 = 1
1 unit → 160
15 units → 160 x 15 = **2400**

Q5 91 ÷ 7 = 13
13 x 3 = **39**

Q6 (a) 40 – 8 = 32
32 ÷ 2 = **16**
(b) 16 x 5 = 80
80 + 40 = **120**

Q7 675 ÷ 9 = 75
75 x 6 = **450**

Q8 $4\frac{9}{15} - 1\frac{5}{15} = 3\frac{4}{15}$
$4\frac{9}{15} - 3\frac{4}{15} = \mathbf{7\frac{13}{15}}$

Q9 430 – 66 = 364
364 ÷ 12 = 28
28 x 9 = 252

Q10 80 ÷ 8 = 10
10 x 10 = **100**

Q11 168 ÷ 3 = 56
56 x 2 = 112
56 – 24 = 32
112 : 32 = **7 : 2**

Q12 3 x 3 x 3 = 27 (27 small boxes in the large box)
12 x 27 = **324**

Q13 (a) 30 + 10 = **40**
(b) 80 – 15 = 65
65 ÷ 5 = 13
13 + 1 = **14**
(c) 15 + 20 + 25 + 30 + 35 + 40 + 45 + 50 + 60 + 65 + 70 + 75 + 80 = **665**

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Q14 47 ÷ 10 = 4 R 7
4 sets of 10 boxes thus 4 free
47 – 4 = 43 (number of boxes purchased)
43 x 3.50 = **150.50**

Q15

Rui Yin	:	Peter	
3	:	1	
30	:	10	
-15	:	- 6	(spent)
15	:	4	(left)

(a) 15 + 4 = 19
1615 ÷ 19 = 85
85 x 40 = **3400**

(b) 85 x 4 = 340
$\frac{3}{8}$ x 340 = 127.50
10 X 85 = 850 (at first)
$\frac{127.50}{850} = \frac{3}{20}$

Q16 4 x 4 = 16cm (height if triangle ABC)
13 x 4 = 52
52 ÷ 2 = 26 cm^2 (area of triangle DBC)
13 x 16 = 208
208 ÷ 2 = 104 cm^2 (area of triangle ABC)
104 – 26 = **78cm^2 (area of shaded part)**

Q17 207 + 329 = 536 (Green and Red)
536 ÷ 8 = 67
67 x 5 = 335 (Round and square)
335 – 68 = **267**

Q18 (a) 60 x 50 x 40 = 120000
32 x 60 x 50 = 96000
120000 – 96000 = 24000
2.8 x 60 x 50 = 84000
96000 – 84000 = 12000
12000 ÷ 8 = **1500**

(b) 2400$m\ell$ = 2ℓ

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10

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NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2016
PRIMARY 5

MATHEMATICS

Paper 1

Section A: 15 Multiple Choice Questions (20 marks)

Section B: 15 Short Answer Questions (20 marks)

Total Time for Paper 1: 50 minutes

INSTRUCTION TO CANDIDATES

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

Marks Obtained

Paper 1	Booklet A		/ 40
	Booklet B		
Paper 2			/ 60
Total			/ 100

Name : _____ ( )

Class : 5_____

Date : 11 May 2016 Parent's Signature:_____

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Section A

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

(20 marks)

---

1. In 86.493, what does the digit 9 stand for?

   (1) 9 thousandths
   (2) 9 hundredths
   (3) 9 tenths
   (4) 9 ones

2. Which one of the following is the digit 7 in the hundred thousands place?

   (1) 3 784 502
   (2) 3 874 502
   (3) 3 847 502
   (4) 3 845 702

3. The common factor of two numbers is 9. What are the numbers?

   (1) 9 and 16
   (2) 18 and 29
   (3) 36 and 72
   (4) 45 and 56

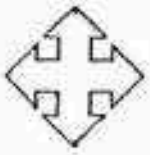
4. How many ninths are there in $4\frac{2}{3}$?

   (1) 9
   (2) 14
   (3) 24
   (4) 42

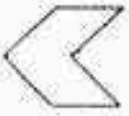
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5. Which of the following figures does **not** have a line of symmetry?

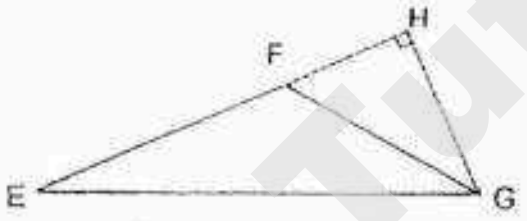
(1) 

(2) 

(3) 

(4) 

6. Given that the height of triangle EFG is HG, find its corresponding base.



(1) EF

(2) EH

(3) GE

(4) FH

7. Ben has 4 times as many stickers as Diana. What is the ratio of the number of stickers that Ben has to the total number of stickers that Ben and Diana have?

(1) 1 : 4

(2) 4 : 1

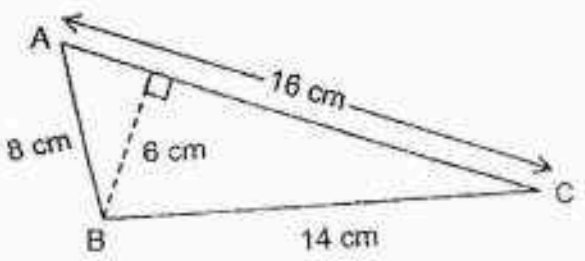
(3) 4 : 5

(4) 5 : 4

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8. The area of triangle ABC is _____ cm².



(1) 42
(2) 48
(3) 56
(4) 64

9. A pole is painted red and blue in the ratio of 7 : 3. If the red portion is 28 cm longer than the blue portion, what is the length of the pole that is painted blue?

(1) 12 cm
(2) 21 cm
(3) 49 cm
(4) 70 cm

10. At a museum, $\frac{3}{5}$ of the visitors are adults and the rest are children. $\frac{1}{4}$ of the children are girls. What fraction of the visitors are girls?

(1) $\frac{2}{5}$
(2) $\frac{3}{4}$
(3) $\frac{1}{10}$
(4) $\frac{3}{10}$

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11. Joel mixed some water and orange syrup to make orange juice. $\frac{3}{5}$ of the mixture consisted of water. If Joel used 1500 ml of water, how much orange syrup did he use?

(1) 600 ml
(2) 750 ml
(3) 1000 ml
(4) 2500 ml

12. The ratio of Kelly's savings to Tricia's savings is 2 : 5. If Kelly saves $24 more and Tricia spends $12, they will have the same amount of money. How much is Tricia's savings?

(1) $12
(2) $24
(3) $36
(4) $60

13. Mandy bought some pencils and pens for $72. She bought more pencils than pens and paid $12 for the additional pencils. If a pencil and a pen cost $3, how many pens did she buy?

(1) 4
(2) 6
(3) 20
(4) 24

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14. The total height of Aaron, Benson and Caleb is 497 cm. Aaron is 15 cm shorter than Benson but 7 cm taller than Caleb. What is Caleb's height?

(1) 156 cm
(2) 163 cm
(3) 171 cm
(4) 178 cm

15. Sarah and Jenny shared the total cost of a meal at a restaurant. Sarah paid $20 less than $\frac{3}{5}$ of the total cost of the meal. Jenny paid $84. How much did Sarah pay for the meal?

(1) $32
(2) $64
(3) $76
(4) $160

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Section B (20 marks)

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

16. What is the missing number in the blank?

2 000 000 + 50 000 + 8 000 + 700 = _____

Ans: _____

17. Find the value of 3500 x 30.

Ans: _____

18. What fraction of 5 kg is 750 g? Give your answer in the simplest form.

Ans: _____

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19. What is the ratio of 28 cm to 3 m ? Give your answer in the simplest form.

Ans: _____

20. Find the value of $3 \times 9 + (26 - 8) \div 6$.

Ans: _____

21. What is the missing number in the box?

15 : 21 = ? : 49

Ans: _____

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22. Kelly had a string which was $\frac{2}{3}$ m long. She cut them into 6 identical smaller pieces. What was the length of each of the small piece of string? Give your answer in the simplest form.

Ans: _____ m

23. Mrs Chan baked 42 chocolate cakes and 18 durian cakes. What is the ratio of the number of durian cakes to the number of chocolate cakes that Mrs Chan baked? Give your answer in the simplest form.

Ans: _____

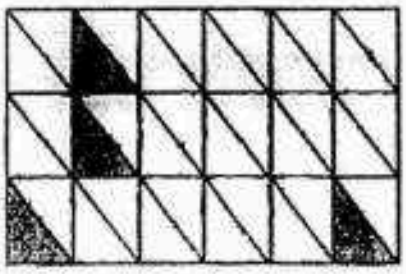
24. Mr Koh donated $90 000 to the elderly in an old folks' home. There were 200 elderly in the old folks' home. How much did each of them get?

Ans: $ _____

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25. What fraction of the figure below is **unsl**



Ans: _____

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Questions **26** to **30** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.
For questions which requires units, give your answers in the units stated. (10 marks)

Do not write in this space

26. $\frac{6}{11}$ of the pupils who took part in a race were boys. There were 300 girls.

How many pupils took part in the race altogether?

Ans: _____

27. Tom started exercising by doing 5 sit-ups on the first day. Every day, he would do 2 more sit-ups than the day before. How many sit-ups did he do altogether after 7 days?

Ans: _____

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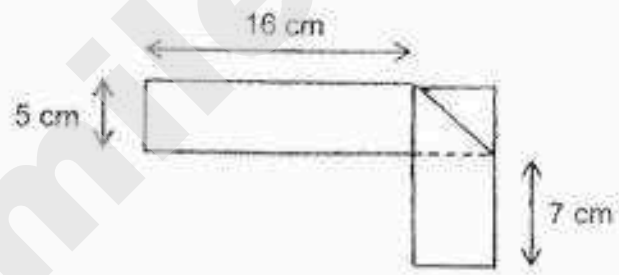
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28. The perimeter of a rectangle is 88 cm. The length of the rectangle is 24 cm. What is the ratio of the length of the rectangle to the breadth of the rectangle? Give your answer in the simplest form.

Do not write in this space

Ans: _____

29. A rectangular piece of paper is folded to form the figure below. Find the perimeter of the rectangular piece of paper **before** it was folded.



Ans: _____ cm

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30. The table below shows the postage charges for sending a parcel to Country A:

Mass	Cost
First 5 kg	$65
Additional 1 kg or part thereof	$7

Raymond paid $128 for sending a parcel to Country A. What could be the maximum mass of the parcel?

Do not write in this space

Ans: _____ kg

-- END OF PAPER 1 --

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NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2016
PRIMARY 5

MATHEMATICS

Paper 2

Total Time for Paper 2: 1 hour 40 minutes

5 Short Answer Questions (10 marks)

13 Structured / Long Answer Questions (50 marks)

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully
4. Answer all questions and show your workings clearly.
5. You are allowed to use a calculator.

Marks Obtained

Total		/ 60

Name : _____( )

Class : 5_____

Date : 11 May 2016 Parent's Signature : _____

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Paper 2

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

Do not write in this space

1. Ryan had $324 and Kenneth had $1076. How much money must Kenneth give to Ryan so that they would have equal amount of money in the end?

Ans: $ _____

2. Ten similar flags were placed along a straight line at equal distance apart. The distance between the third and the ninth flag was 18 m. What was the distance between the second flag and the fifth flag?

Ans: _____ m

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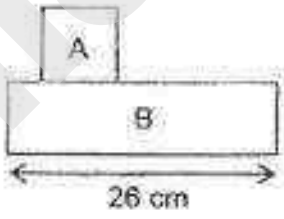
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3. The ratio of the amount of money that Lisa had to the amount of money that Kevin had was 5 : 2. After Lisa spent $118, the ratio of the money that Lisa had left to the amount of money that Kevin had left became 3 : 2. How much did Lisa have at first?

Do not write in this space

Ans: $_____

4. The figure below, not drawn to scale, is made up of Square A and Rectangle B. The area of Square A is 49 cm². The length of Square A is the same as the breadth of Rectangle B. If the length of Rectangle B is 26 cm, what is the total area of figure A and B?



Ans:_____ cm²

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5. The numbers are arranged in 4 columns as shown below. Under which column will the number "103" appear?

A	B	C	D
1	2	3	4
8	7	6	5
9	10	11	12
...	...	...	13

Do not write in this space

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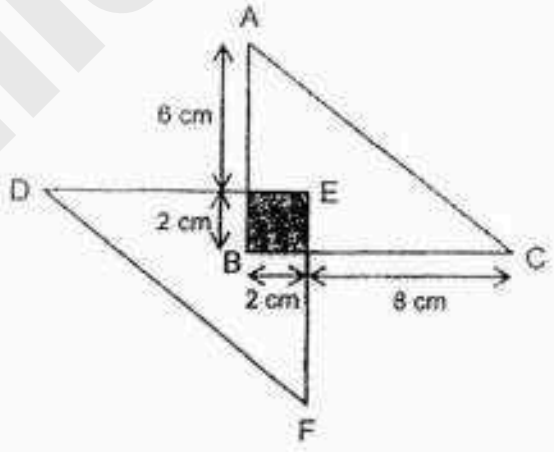
For questions **6** to **18**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. **(50 marks)**

Do not write in this space

6. 3 belts and 5 wallets cost $349. 6 belts and 4 wallets cost $416. Find the total cost of 1 belt and 1 wallet.

Ans: _____ [3]

7. In the figure below, not drawn to scale, Tnangle ABC and DEF are identical right-angled triangles. Find the **unshaded** area of the figure.



Ans: _____ [3]

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8. Mr Chen sold 84 egg tarts in the morning and $\frac{3}{5}$ of the remaining egg tarts in the afternoon. In the end, he still had $\frac{1}{4}$ of the egg tarts left. How many egg tarts did he have at first?

Do not write in this space

Ans: _____ [3]

9. At a sale, a discount of $4 was given for every 5 boxes of cookies bought. Each box of cookies cost $12. Mr Lim paid a total of $204. How many boxes of cookies did he buy?

Ans: _____ [3]

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10. There were 60 children at a carnival. Each boy received 3 balloons and each girl received 5 balloons. The total number of balloons given to the children was 226. How many boys were at the carnival?

Do not write in this space

Ans: _____ [3]

11. The ratio of the amount of flour in Box A to the amount of flour in Box B is 3 : 7. The total amount of flour in Box A and Box B is 680 g.

a) How much flour is there in Box A?

b) How much flour must be transferred from Box B to Box A so that there is an equal amount of flour in both boxes?

Ans: (a)_____ [2]

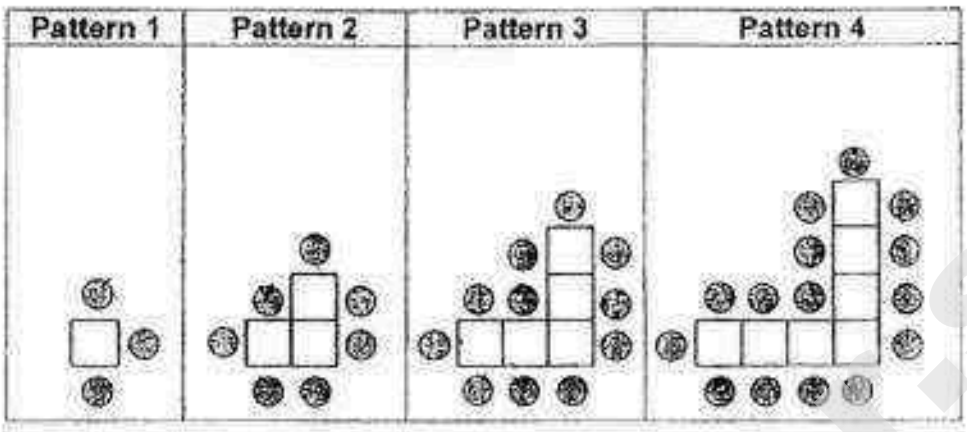
(b)_____ [2]

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Do not write in this space

12. The pattern below is made up of squares and circles.
Study the pattern carefully and answer the questions below.



(a) How many squares are needed to form pattern 8?

(b) How many circles are needed to form pattern 6?

(c) How many circles are there in pattern 48?

Ans: (a)_____ [1]

(b)_____ [1]

(c)_____ [2]

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13. There were 69 girls and 47 boys in the library. After an equal number of girls and boys left the library, the ratio of the number of girls to the numbers of boys who remained in the library became 5 : 3.

(a) How many children remained in the library?

(b) How many children left the library?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

14. Lishan spent $\frac{1}{4}$ of her money and an additional $9 on a dress. She then spent $\frac{1}{3}$ of her remaining money and an additional $6 on a bag. If she had $58 left, how much did she spend on the dress?

Ans: _____ [4]

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15. Mrs Goh spent $\frac{3}{5}$ of her money on 2 identical televisions and 4 identical fans. She then spent $\frac{1}{3}$ of her remaining money on a washing machine. The washing machine cost $520.

Do not write in this space

a) What is the total cost of the 2 televisions and 4 fans?

b) If each television cost $933 more than each fan, what is the cost of each fan?

Ans: (a)_____ [2]

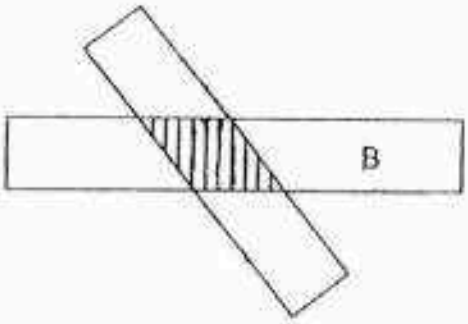
(b)_____ [2]

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16. The figure below, not drawn to scale, is made up of Rectangle A and Rectangle B overlapping each other. The area of Rectangle A is $\frac{3}{4}$ the area of Rectangle B. Given that $\frac{1}{4}$ of Rectangle A is shaded, what fraction of the total area of the figure is unshaded?

Do not write in this space



Ans: _____ [5]

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17. Charlene receives $50 more pocket money than Elaine each month. Both of them spend $120 per month on transport and save the rest. After a few months, Charlene saves $1 610 but Elaine only saves $1 260.

(a) What is Charlene's monthly pocket money?

(b) Elaine wants to save a total of $2 340. How many more months must she save in order to save this amount?

Do not write in this space

Ans: (a)_____ [3]

(b)_____ [2]

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18. At a race, $\frac{3}{7}$ of the number of boys is equal to $\frac{2}{5}$ of the number of girls. The number of adults at the race is thrice the number of children. The number of coupons given to each adult, boy and girl at the race is 4, 3 and 2 respectively. The total number of coupons given at the race is 7 980.

Do not write in this space

(a) What is the total number of coupons given to the adults?

(b) What is the number of girls at the race?

Ans: (a)_____ [3]

(b)_____ [2]

-- END OF PAPER 2 --

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EXAM PAPER 2016

SCHOOL : NAN HUA PRIMARY SCHOOL

SUBJECT : MATHEMATICS

TERM : SEMESTER ASSESSMENT 1 2016 – PRIMARY 5

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

16. 2 058 700

17. 3500×30
$= 35 \times 100 \times 3 \times 10$
$= 35 \times 3 \times 100 \times 10$
$= 105 \times 1000$
$= 105\,000$

18. $5kg = 5000g$
$\frac{750}{5000} = \frac{75}{500} = \frac{15}{100} = \frac{3}{20}$

19. $3m = 300cm$
$\frac{28}{300} = \frac{14}{150} = \frac{7}{75}$

20. $3 \times 9 + (26 - 8) \div 6$
$= 27 + 18 \div 6$
$= 27 + 3$
$= 30$

21. $21 = 3 \times 7$

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$49 = 7 \times 7$
$15 = 3 \times 5$
$7 \times 5 = 35$
$\frac{35}{49}$

22. $\frac{2}{3} \times \frac{1}{6} = \frac{2}{18} = \frac{1}{9}$

23. $\frac{38}{42} = \frac{9}{21} = \frac{3}{7}$

24. $\$90\,000 \div 200 = \$900 \times 100 \div 2 \times 100 = \$900 \div 2 = \$450$

25. *total number of boxes* $= 3 \times 6 = 18$
number of unshaded boxes $= 18 - 2 = 16$
$\frac{16}{18} = \frac{8}{9}$

26. *fraction of girls* $= 1 - \frac{6}{11} = \frac{5}{11}$
total number of pupils $= (300 \div 5) \times 11 = 60 \times 11 = 660$

27. $5 + 5 + 2 + 5 + 2 \times 2 + 5 + 2 \times 3 + 5 + 2 \times 4 + 5 + 2 \times 5 + 5 + 2 \times 6$
$= 5 \times 7 + 2 \times (1 + 2 + 3 + 4 + 5 + 6)$
$= 35 + 2 \times 21 = 35 + 42$
$= 77$

28. *breadth of rectangle* $= 88 \div 2 - 24 = 44 - 24 = 20$
$\frac{24}{20} = \frac{6}{5}$

29. $2 \times (5 + 16 + 5 + 7) = 2 \times 33 = 66$

30. $\$128 - \$65 = \$63$
$\$63 \div \$7 = 9$
$5 + 9 = 14$

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Paper 2

1. $(\$1076 - \$324) \div 2 = \$752 \div 2 = \$376$

2. $(18m \div (9-3)) \times (5-2) = (18m \div 6) \times 3 = 3m \times 3 = 9m$

3. $(\$118 \div 2) \times 5 = \$59 \times 5 = \$295$

4. $Length\ of\ square\ A = \sqrt{49cm^2} = 7cm$
   $total\ area\ of\ A\ and\ B = 7cm \times (7cm + 26cm) = 7cm \times 33cm = 231cm^2$

5. $103 \div 8 = 12r7$
   Column B

6. $cost\ of\ 9\ belts\ and\ 9\ wallets = \$349 + \$416 = \$765$
   $cost\ of\ 1\ belf\ and\ 1\ wallet = \$765 \div 9 = \$85$

7. $area\ of\ triangle\ ABC\ and\ DEF = 10cm \times 8cm = 80cm^2$
   $area\ of\ shaded\ area = 2cm \times 2cm = 4cm^2$
   $area\ of\ unshaded\ area = 80cm^2 - 2 \times 4cm^2 = 80cm^2 - 8cm^2 = 72cm^2$

8. $\frac{2}{5}\ of\ remaining\ egg\ tarts\ is\ equals\ to\ \frac{1}{4}\ of\ egg\ tarts\ left, \frac{2}{5} = \frac{3}{8}$
   $\frac{5}{8}\ of\ egg\ tarts\ are\ left\ in\ the\ afternoon$
   $\frac{3}{8}\ of\ egg\ tarts\ are\ 84\ egg\ tarts$
   $total\ egg\ tarts\ at\ first = (84 \div 3) \times 8 = 28 \times 8 = 224$

9. $cost\ of\ 5\ boxes\ of\ cookies = \$12 \times 5 - \$4 = \$60 - \$4 = \$56$
   $204 \div 56 = 3r36$
   $5 \times 3 + 36 \div 12 = 15 + 3 = 18$

10. $60 \times 5 = 300$ balloons, assuming all 60 children are girls
    $300 - 226 = 74$ balloons in shortage
    $74 \div 2 = 37$ boys

11.
    a. $amount\ of\ flour\ in\ A = 3 \times (680 \div 10) = 3 \times 68 = 204g$
    b. $((7-3) \div 2) \times 68 = (4 \div 2) \times 68 = 2 \times 68 = 136g$

12.
    a. $2 \times n - 1 = 2 \times 8 - 1 = 16 - 1 = 15$
    b. $4 \times n - 1 = 4 \times 6 - 1 = 24 - 1 = 23$
    c. $4 \times n - 1 = 4 \times 48 - 1 = 192 - 1 = 191$

13.
    a. $children\ remained = ((69-47) \div 2) \times 8 = (22 \div 2) \times 8 = 11 \times 8 = 88$
    b. $children\ left = 69 + 47 - 88 = 116 - 88 = 28$

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14. $\frac{2}{3}$ *of remaining money* $= \$6 + \$58 = \$64$

$\frac{3}{4}$ *of money* $= \$9 + (\$64 \div 2) \times 3 = \$9 + \$32 \times 3 = \$9 + \$96 = \$105$

cost of dress $= \$105 \div 3 + \$9 = \$35 + \$9 = \$44$

15.

a. *remaining money* $= \$520 \times 3 = \$1560 = \frac{2}{5}$ *of her money*

$\frac{3}{5}$ *of her money* $= \$1560 \div 2 \times 3 = \$780 \times 3 = \$2340$

b. *6 fans cost* $= \$2340 - 2 \times \$933 = \$2340 - \$1866 = \$474$

1 fan cost $= \$474 \div 6 = \$79$

16. Ratio of area of A to area of B is 3: 4

Ratio of shaded area in A to area of A is 1:4

Ratio of shaded area in A to area of A to area of B is $1 \times 3: 4 \times 3: 4 \times 4 = 3: 12: 16$

Fraction of shaded area over total area of A and B is $\frac{3}{12+16-3} = \frac{3}{25}$

Fraction of unshaded area over total area of A and B is $\frac{25-3}{25} = \frac{22}{25}$

17.

a. *number of months* $= (\$1610 - \$1260) \div \$50 = \$350 \div \$50 = 7$

Charlene's monthly pocket money $= \$1610 \div 7 + \$120 = \$230 + \$120$
$= \$350$

b. *Elaine's monthly saving* $= \$1260 \div 7 = \$180$

$(\$2340 - \$1260) \div \$180 = \$1080 \div \$180 = 13.5$ *months*

18.

a. $\frac{3}{7}$ of the number of boys is equal to $\frac{2}{5}$ of the number of girls

$\frac{6}{14}$ of the number of boys is equal to $\frac{6}{15}$ of the number of girls

Ratio of number of boys to number of girls is 14: 15

The number of adults at the race is thrice the number of the children

Ratio of number of adults to number of boys to number of girls is $3 \times (14 + 15): 14: 15$,

87: 14: 15

b. Ratio of number of coupons given to adults to number of coupons given to boys to number of coupons given to girls is $87 \times 4: 14 \times 3: 15 \times 2$, 348: 42: 30

Number of coupons given to adults is $348 \times \big(7980 \div (348 + 42 + 30)\big)$

$= 348 \times (7980 \div 420)$

$= 348 \times 19$

$= 6612$

Number of coupons given to girls is $30 \times \big(7980 \div (348 + 42 + 30)\big)$

$= 30 \times (7980 \div 420)$

$= 30 \times 19$

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$= 570$

Each girl received 2 coupons, number of girls is $570 \div 2 = 285$

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9

NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION 2016

PRIMARY 5

MATHEMATICS

PAPER 1

DURATION: 50 MINUTES

Booklet A	/ 20
Booklet B	/ 20

Paper 1 Total: / 40

Name: _____ ( )

Class: Primary 5 ( )

Date: _____

Any query on marks awarded should be raised by 18 May 2016. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

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PAPER 1 (BOOKLET A)

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

(20 marks)

---

1 Which one of the following is eight million, two hundred and seven thousand and fourteen in figures?

(1) 8 200 714

(2) 8 207 014

(3) 8 207 040

(4) 8 270 714

2 What is the value of $2 \times (300 - 288) + 4$?

(1) 598

(2) 456

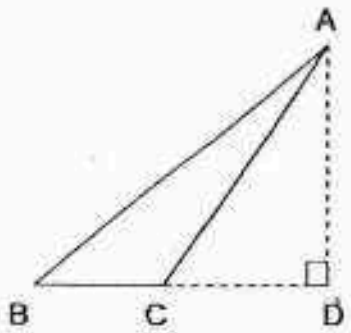
(3) 78

(4) 6

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5 Given that the height of triangle ABC is AD, find its corresponding base.



(1) AB

(2) AC

(3) BC

(4) BD

6 Which one of the following is the equivalent ratio of 8 : 3?

(1) 16 : 12

(2) 24 : 24

(3) 40 : 15

(4) 64 : 9

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3 What is the value of $\frac{4}{5} \div 8$?

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

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

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

(4) $\frac{32}{5}$

4 Observe the pattern below.

$29.4 \div 2 = 14.7$

$29.4 \div \square = 0.147$

What is the missing number in the box?

(1) 20

(2) 200

(3) 2000

(4) 20 000

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7 Find the product of 5 and $\frac{7}{11}$

(1) $\frac{7}{55}$

(2) $\frac{35}{55}$

(3) $3\frac{2}{11}$

(4) $7\frac{6}{7}$

8 Find the sum of 20 tenths and 5 hundredths.

(1) 0.205

(2) 2.05

(3) 20.5

(4) 205.0

9 Express $\frac{1}{4}$ as a decimal.

(1) 0.2

(2) 0.25

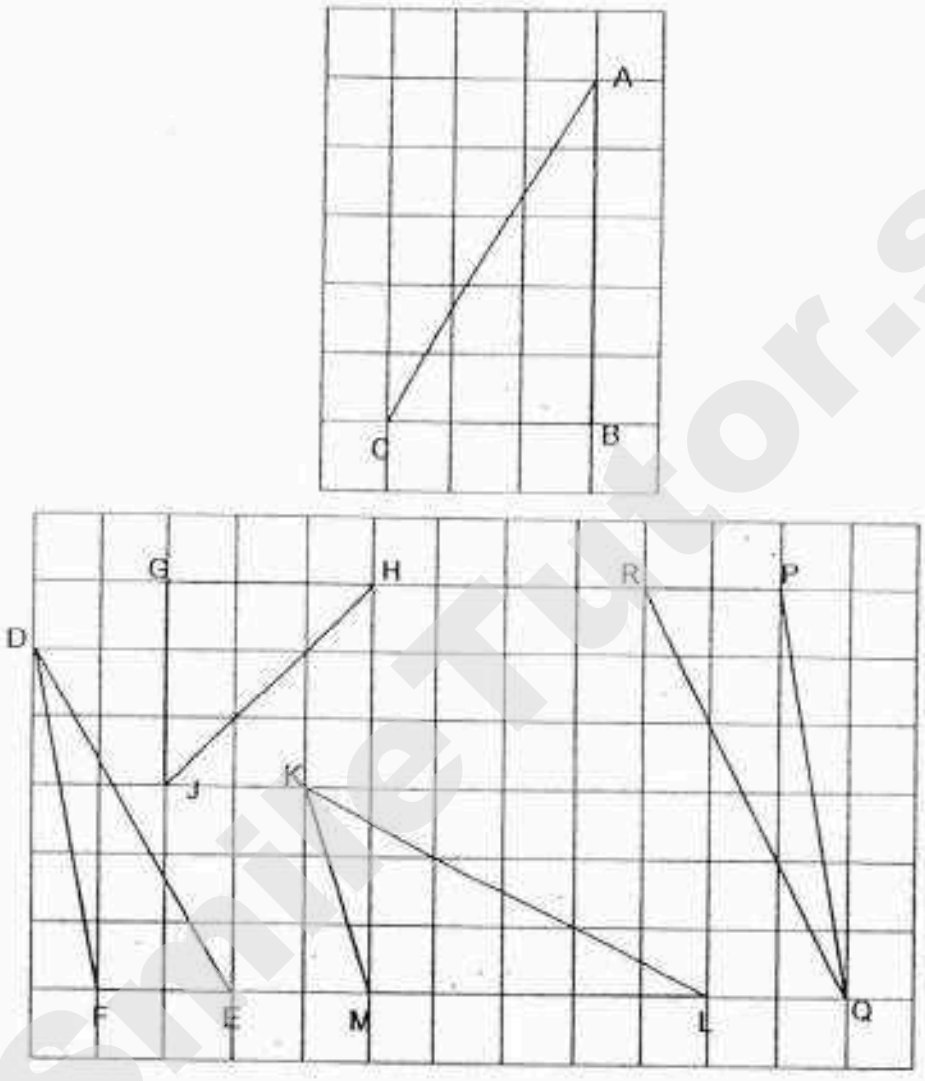
(3) 0.4

(4) 0.416

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10 Triangles ABC, DEF, GHJ, KLM and PQR are drawn on the square grid below. Which triangle has the same area as triangle ABC?



(1) Triangle DEF

(2) Triangle GHJ

(3) Triangle KLM

(4) Triangle PQR

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11 Andy spent 3000 seconds to complete all the 32 questions. He spent a total of 840 seconds on the first 12 questions. He then spent an equal amount of time on each of the remaining questions. How much time did he spend on each of the remaining questions?

(1) 72 seconds

(2) 108 seconds

(3) 113 seconds

(4) 118 seconds

12 $\frac{1}{3}$ of a rod is painted green. $\frac{1}{4}$ of the remaining rod is then painted yellow. What fraction of the rod is painted yellow?

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

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

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

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

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13 Five children share $\frac{3}{4}$ of a pizza equally. What fraction of the pizza does each child get?

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

(2) $\frac{4}{15}$

(3) $\frac{15}{4}$

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

14 The length of a rope is 9.2 m. A string is 2.25 m shorter than the rope. Find the length of the string.

(1) 6.95 m

(2) 7.05 m

(3) 7.95 m

(4) 11.45 m

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15 A repeated number pattern is formed using the digits 1, 2, 3 and 4. The first 13 digits are shown below. What is the sum of the first 87 digits?

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

1st 2nd 13th

(1) 210

(2) 211

(3) 213

(4) 216

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Name: _____ ( ) Class: Pr 5 ( )

PAPER 1 (BOOKLET B)

Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

16 Round off 7 009 529 to the nearest thousand.

Ans: _____

---

17 Find the value of 703 × 89.

Ans: _____

---

18 What is the missing number in the box below?

745 000 ÷ 500 = 10 × ☐

Ans: _____

---

19 Find the value of 4350 ÷ (58 - 28).

Ans: _____

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20 Find the product of $\frac{5}{8}$ and $\frac{4}{9}$.

Give your answer as a fraction in its simplest form.

Ans: _____

21 Find the value of $\frac{6}{7} \div 9$.

Give your answer as a fraction in its simplest form.

Ans: _____

22 Find the value of 5.02×9.

Give your answer as a decimal.

Ans: _____

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23 Express 3.08 kg in grams.

Ans: _____ g

24 Round off 6.855 to 2 decimal places.

Ans: _____

25 Daniel bought $\frac{7}{8}$ kg of sugar. He used $\frac{2}{3}$ kg to bake cakes. How much sugar had he left?

Ans: _____ kg

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Questions **26** to **30** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

26 Find the value of $175 + 25 \times 2$.

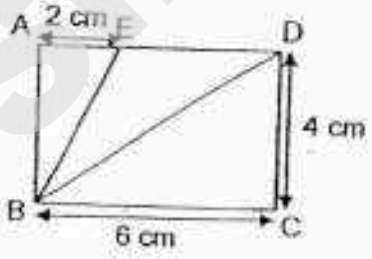
Ans: _____

27 What is the missing number in the box below?

$26.07 + \square = 5.214 \div 2$

Ans: _____

28 In the figure below, ABCD is a rectangle and BC = 6 cm, CD = 4 cm and AE = 2 cm. Find the area of triangle BDE.



Ans: _____ cm^2

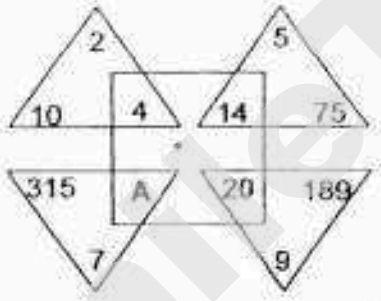
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29 The total mass of 30 identical cans of baked beans is 12.45 kg. Find the mass of 2 such cans of baked beans.

Ans: _____ kg

30 Study the number arrangement carefully. What is the value of A?



Ans: _____

END OF PAPER

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NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION 2016

PRIMARY 5

MATHEMATICS

PAPER 2

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	/ 60
GRAND TOTAL	/ 100

Name: _____ ( )

Class: Primary 5 ( )

Date: _____

Any query on marks awarded should be raised by 18 May 2016. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

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PAPER 2

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

(10 marks)

---

1 Find the difference between 6048 and 365 by first rounding off each number to the nearest hundred.

Ans: _____

---

2 Peter ran a distance of 2 km in 10 minutes. At this rate, what was the total distance he ran in 1 hour?

Ans: _____ km

---

3 John completed a race in 125 seconds. He took 35 seconds less than Daniel to complete the race. How many minutes did Daniel take to complete the race? Give your answer correct to 2 decimal places.

Ans: _____ min

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4 Jeremy bought some paint to paint his house. He used $18\frac{3}{5}$ l of paint for the living room, $8\frac{1}{2}$ l of paint for the study room and $10\frac{3}{4}$ l of paint for the master bedroom. How many litres of paint did he use altogether? Give your answer as a mixed number in its simplest form.

Ans: _____

5 Mr Lim had $6\frac{1}{2}$ m of wire. Ali had 3 times as much wire as Mr Lim. How much wire did they have altogether?

Ans: _____ m

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For questions **6** to **18**, 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.

(50 marks)

---

6 The table below shows a plant's height on the first day of each month from January to May.

Date	Height (cm)
1st January	8.3
1st February	9.5
1st March	10.0
1st April	10.7
1st May	11.4

(a) What was the height of the plant on 1st February? Give your answer to the nearest cm.

(b) What was the increase in the plant's height from 1st April to 1st May?

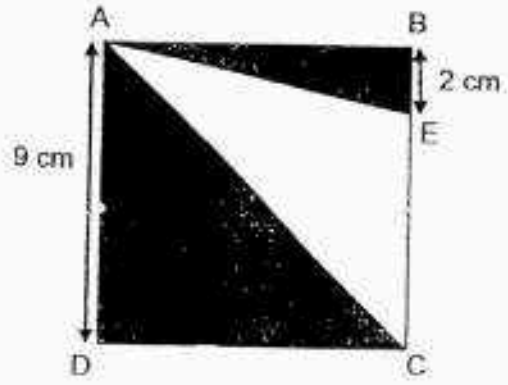
Ans: (a) _____ [1]

(b) _____ [2]

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7 The figure below shows square ABCD. BE = 2 cm and AD = 9 cm.



(a) Given that the base of triangle ACE is EC, what is the height of triangle ACE in cm?

(b) What is the total area of the shaded parts in the figure?

Ans: (a) _____ [1]

(b) _____ [2]

---

8 A bookstore sells either one pen for $2 or in packs of 5 for $7. Wendy wants to buy exactly 33 pens with the smallest amount of money. How much does she have to pay for the 33 pens?

Ans: _____ [3]

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9 The length of a rectangular table top is $\frac{21}{5}$ m. Its breadth is $\frac{5}{7}$ of its length. $\frac{1}{4}$ of the table top is painted. What is the area of the table top that is painted? Give your answer as a mixed number in its simplest form.

Ans: _____ [3]

---

10 There were 30 questions in a quiz. Andy answered all the questions and scored 101 marks. For each correct answer, 5 marks were given. For each wrong answer, 2 marks were deducted. How many questions did Andy answer correctly?

Ans: _____

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11 The total cost of a basket and 15 identical boxes of chocolates is $61.
The total cost of the same basket and 7 such boxes of chocolates is $37.

(a) How much does each box of chocolate cost?

(b) How much does the basket cost?

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Ans: (a) _____ [2]

(b) _____ [2]

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12 There are 210 spectators at the stadium. $\frac{2}{7}$ of the spectators are male. $\frac{2}{3}$ of the male spectators are men and $\frac{1}{5}$ of the female spectators are girls. How many men and women are there at the stadium altogether?

Ans: _____ [4]

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13 Sarah spent $72 on 24 identical notebooks and 6 identical pens. One pen cost $0.50 less than a notebook.

(a) What was the cost of one notebook?

(b) What was the greatest number of such pens that Mary could buy if she had $57?

Ans: (a) _____ [3]

(b) _____ [1]

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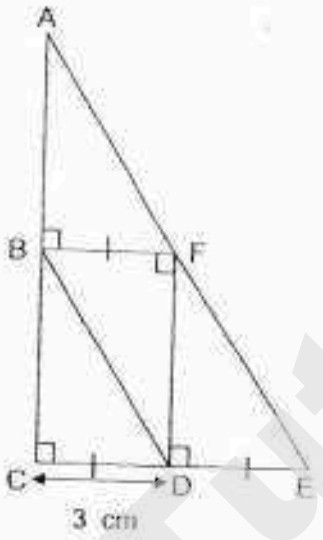
14 Valerie spent $2743 on a laptop, a camera and a mobile phone. The laptop cost 4 times as much as the camera. The camera cost $95 more than the mobile phone. Find the total amount of money that Valerie spent on the mobile phone and the camera.

Ans: _____ [4]

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15 Triangle ACE below is made up of 4 identical right-angled triangles, ABF, BCD, FBD and FDE. BF = CD = DE = 3 cm. The perimeter of triangle ACE is 24 cm. AC is 2 cm shorter than AE. What is the area of triangle ACE?



Ans: _____ [4]

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16 Amelia, Betsy, Charlie and Danny received a total of $360. Charlie received $\frac{1}{4}$ of the total amount of money. Amelia received $\frac{1}{8}$ of the total amount of money received by Betsy and Danny. Betsy received $\frac{3}{5}$ as much money as Danny. How much did Betsy receive?

Ans: _____ [5]

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17 Andy, Benjamin and Caleb had a total of 698 coins at first. After a week, the number of Andy's coins became 3 times the number of coins he had at first. The number of Benjamin's coins decreased by 138. Caleb had half as many coins as he had at first. In the end, the three boys had the same number of coins.

(a) How many coins did Caleb have at first?

(b) What was the total number of coins that the three boys had in the end?

Ans: (a) _____ [3]

(b) _____ [2]

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18 A marker cost $1.50. A stapler cost $15.50 more than the marker. Barry spent $340 on such markers and staplers. He bought twice as many markers as staplers.

(a) How many staplers did Barry buy?

(b) How much money did Barry spend on the markers?

Ans: (a) _____ [3]

(b) _____ [2]

END OF PAPER

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EXAM PAPER 2016
LEVEL : PRIMARY 5
SCHOOL : NANYANG PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA1(PAPER1)

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

16. 7010000

17. 62567

18. 745000÷500
=745000÷5÷100
=149000÷100
= 1490

ans:149

19. 4350÷30=145
ans:145

20. $\frac{5}{8}\times\frac{4}{9}=\frac{20}{72}$
$=\frac{10}{36}$
$=\frac{5}{18}$

21. $\frac{6}{7}\div 9=\frac{6}{7}\times\frac{1}{9}=\frac{6}{63}=\frac{2}{21}$

ans:$\frac{2}{21}$

22. 45.18

23. 3080g

24. 6.86

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25. $\frac{7}{8}\ \text{kg} - \frac{2}{3}\text{kg} = \frac{21}{24} - \frac{16}{24} = \frac{5}{24}$

26. 175+50==225
ans:225

27. 10

28. 6-2=4
$4 \times 4 \times \frac{1}{2} = 8$

ans:$8cm^2$

29. 12.45÷30=0.415
0.415×2=0.830

ans:0.830kg

30. 10÷2=5
5-1=4
75÷5=15
15-1=14
189÷9=21
21-1=20
315÷7=45
45-1=44

ans:44

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EXAM PAPER 2016
LEVEL : PRIMARY 5
SCHOOL : NANYANG PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA1(PAPER 2)

1. $6048-356 \approx 6000-400=5600$

ans:5600

2. 2km → 10min
12km → 60min

ans:12km

3. 125 + 35=160

160 seconds ≈2.67 160÷60=2.666
≈2.67 cans

ans:2.67 min

4. $10\frac{3}{4}+8\frac{1}{2}+18\frac{3}{5}=37\frac{17}{20}$

ans:$37\frac{17}{20}$

5. $6\frac{1}{2}\times4=26$

ans:26m

6. a)9.5≈10

b)11.4-10.7=0.7

a)ans:10cm

b)ans:0.7cm

7. 9×9=81
9−2=7
$7\times9\times\frac{1}{2}=31.5$
$81-31.5=49.5cm^2$

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a) ans:9cm
b) ans:49.5cm^2

8. \$7×6=\$42
5×6=30
33−30=3
\$42+\$2+\$2+\$2=\$48

ans:\$48

9.
$\frac{21}{5}\times\frac{5}{7}=3$
$\frac{21}{5}\times3=12\frac{3}{5}$
$12\frac{3}{5}\div4=3\frac{3}{20}$m

ans:$3\frac{3}{20}m^2$

10.
Assume all are correct

5×30=150
150−101=49
5+2=7
49÷7=7

30−7=23

Check:7×2=14
23×5=115
115−14=101
ans:23

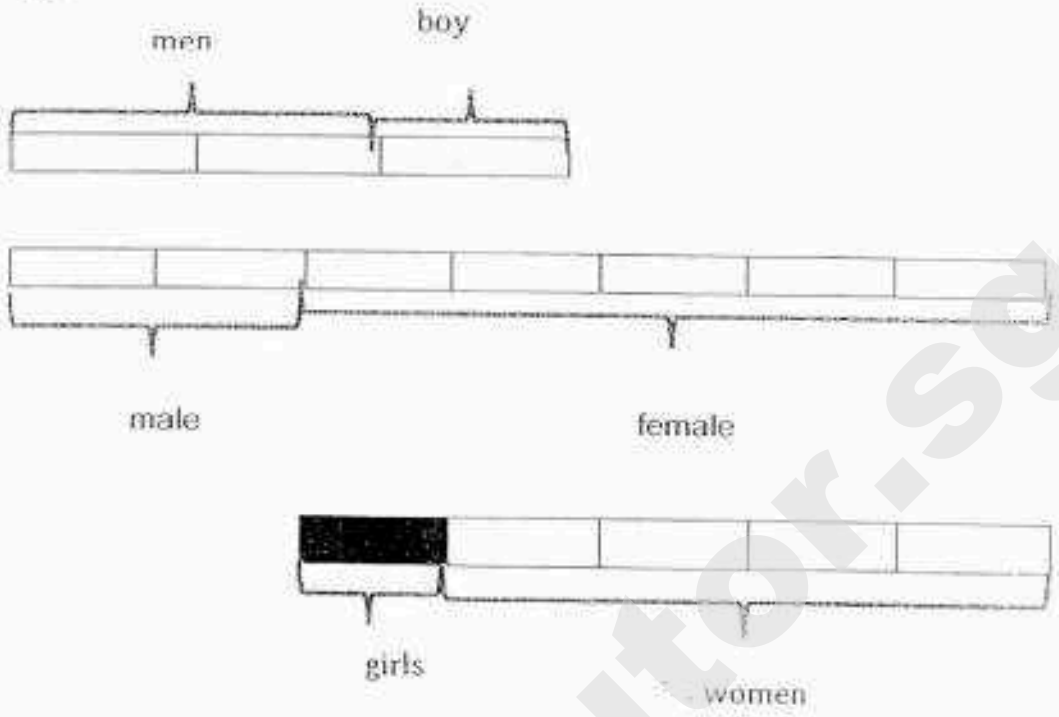
11. 1B+15C→\$61
1B+7C→\$37
8C→\$61−\$37=\$24
1C→\$24÷8=\$3
7C→\$24-\$3=\$21
\$37-\$21=\$16

a) ans:\$3
b) ans:\$16

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12.

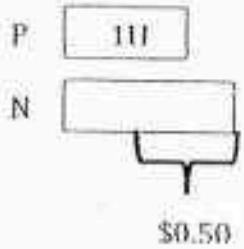


7u→260
1u→210÷7=30
2u→30×2=60
3p→60
1p→60÷3=20

men→20×2=40
women→4u→30×4=120
120+40=160

ans:160

13.

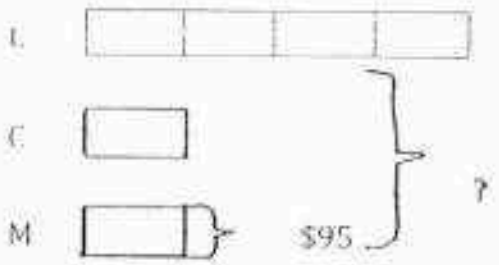


$0.50×24=$12
$72−$12=$60
24+6=30
30u→$60
1u→$60÷30=$2
$2+0.50=$2.50
$57÷$2=2R1

a)$2.50
b)28

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14. 6u→$2743+$95=$2838
1u→$2838÷6=$473
$473×2=$946



$946−$95=$85

ans:$851

15.
3+3=6
24−6=18
18−2=16
16÷4=4
4×2=8
$8\times6\times\frac{1}{2}=24cm^2$
ans:$24cm^2$

16. B→3u
D→5u
A→1u
C→3u

12u→$360

1u→$360÷12=$30

3u→$30×3=$90

ans:$90

17. 10U→698−138=560
1U→560÷10=56
6U→56×6=336
9U→56×9=504

a)336
b)504

18. $1.50+$15.50=$17
$1.50+1.50+$17=$20

$340÷$20=17(sets ofZmIS)
17×$2=34
34×$1.50=$51
a)ans:17 b)ans:$51

END

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13

PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1

PRIMARY 5
MATHEMATICS PAPER 1
(BOOKLET A)

11 MAY 2016

Name: _____

Form Class / Register No. : 5L____ / ____

Banded Class / Register No. : 5M____ / ____

Total time for Booklets A and B: 50min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers on the Optical Answer Sheet (OAS) provided.
6. The use of calculator is **NOT ALLOWED**.

This booklet consists of 7 printed pages, excluding the cover page.

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Paper 1 (Booklet A)

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.
You are <u>not</u> allowed to use a calculator. (20 marks)

---

1 Nine million, three hundred thousand and seven is _____.

(1) 900 307

(2) 930 007

(3) 9 000 307

(4) 9 300 007 ( )

2 What is the value of 5 000 × 80?

(1) 4000

(2) 40 000

(3) 400 000

(4) 4 000 000 ( )

3 Express $2\frac{5}{9}$ as a decimal. Round off your answer to 2 decimal places.

(1) 0.55

(2) 0.56

(3) 2.55

(4) 2.56 ( )

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4 Find the sum of $\frac{1}{5}$ and $\frac{1}{6}$.

(1) $\frac{1}{11}$

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

(3) $\frac{1}{30}$

(4) $\frac{11}{30}$

( )

5 What is the product of $\frac{5}{6}$ and $\frac{2}{3}$?

(1) $\frac{7}{18}$

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

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

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

( )

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6 Find the value of $\frac{9}{4} \div 5$.

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

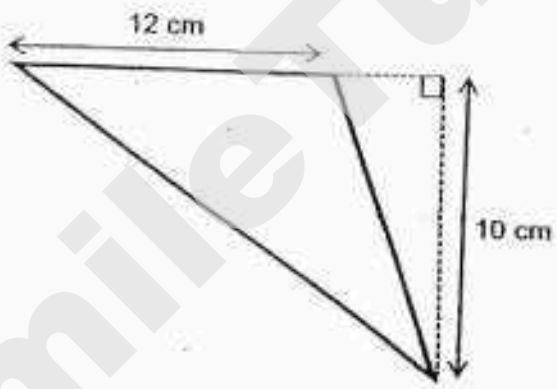
(2) $\frac{9}{20}$

(3) $2\frac{2}{9}$

(4) $11\frac{1}{4}$

( )

7 Find the area of the triangle.



(1) 60 cm²

(2) 90 cm²

(3) 120 cm²

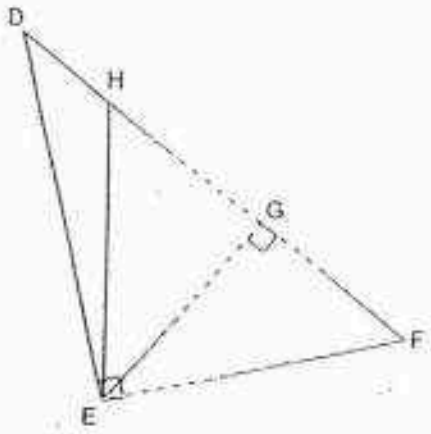
(4) 180 cm²

( )

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8



Name the height of Triangle DEH if DH is the base.

(1) DE

(2) EF

(3) EG

(4) EH

( )

9 4 : 7 = 28 : ? . What is the missing number in the box?

(1) 7

(2) 31

(3) 49

(4) 56

( )

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10 June baked twice as many cookies as Claire. Claire baked twice as many cookies as Sunny. What is the ratio of the number of ~~tarts~~ baked by June to the number of ~~tarts~~ baked by Sunny?

(1) 1 : 4

(2) 1 : 8

(3) 4 : 1

(4) 8 : 1

( )

11 270 000 visitors went to an IT fair when rounded off to the nearest thousand. Which could be the possible number of visitors?

(1) 269 099

(2) 269 971

(3) 270 500

(4) 270 909

( )

12 Find the value of $25 + 5 \times 5 + (76 - 20 + 40)$.

(1) 17

(2) 41

(3) 97

(4) 121

( )

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13 John gave $\frac{1}{8}$ of his salary to each of his two parents. He gave $\frac{1}{3}$ of the remainder to his son. What fraction of his salary had he left?

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

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

(3) $\frac{7}{24}$

(4) $\frac{13}{24}$

( )

14 There are 16 sweets and 32 chocolates in a basket. What is the ratio of the number of chocolates to the total number of sweets and chocolates?

(1) 1 : 3

(2) 2 : 3

(3) 3 : 1

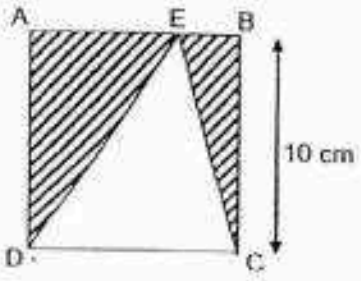
(4) 3 : 2

( )

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15 ABCD is a square. What is the area of the shaded part?



(1) 20 cm²

(2) 40 cm²

(3) 50 cm²

(4) 100 cm²

( )

-- End of Booklet A --

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PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1

PRIMARY 5
MATHEMATICS PAPER 1
(BOOKLET B)

11 MAY 2016

Parent's signature

Name : _____

Form Class / Register No. : 5L_____ / _____

Banded Class / Register No. : 5M_____ / _____

Total time for **Booklets A and B: 50min**

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write all your answers in this booklet.
6. The use of calculator is **NOT ALLOWED**.

Marks (Booklet A) :	20
Marks (Booklet B) :	20
Total Marks (Booklets A and B) :	40

This booklet consists of 7 printed pages, excluding the cover page.

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

16 In 4 500 207, what is the value of the digit 5?

Ans: _____

17 500 000 ÷ _____ = 500

What is the missing number in the blank?

Ans: _____

18 If 200 g of salmon cost $6, how much will 2 kg of salmon cost?

Ans: $ _____

19 Find the value of $\frac{7}{9} - \frac{2}{3}$.

Ans: _____

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20 Andy had 56 sweets. He gave $\frac{2}{7}$ of them to Bella. How many sweets had Andy left?

Do not write in this space.

Ans: _____

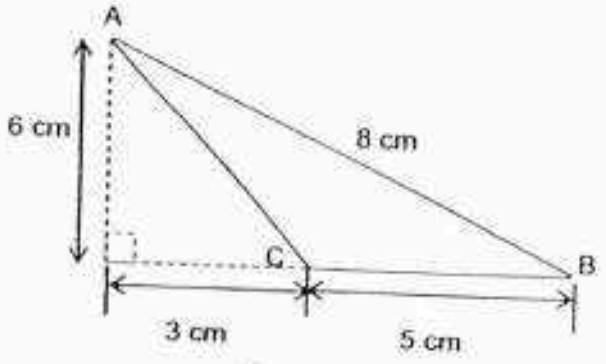
21 Belinda had $\frac{4}{5}$ kg of sugar. She then packed the sugar equally into 8 packets. What was the mass of each packet of sugar?

Ans: _____ kg

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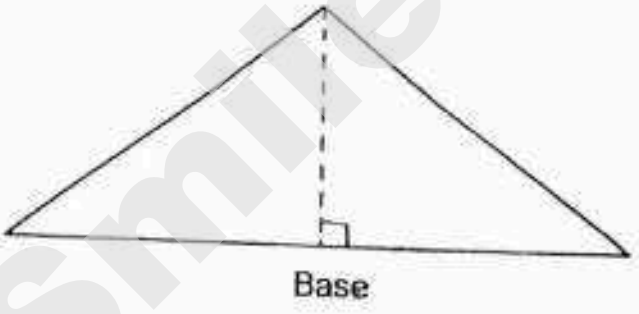
22 Find the area of triangle ABC.



Do not write in this space.

Ans: _____ cm^2

23 Use a set-square to draw and label the height of the triangle for the given base.



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24 Given that A : B = 4 : 3 and B : C = 2 : 5, find A : C.

Do not write in this space.

Ans: _____

25 Write the ratio 45 : 63 : 72 in its simplest form.

Ans: _____

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Questions **26** to **30** carry 2 marks each. Show your working clearly and write your answers the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

26 A sling bag costs $6 more than a water bottle. If the total cost of the sling bag and 2 such water bottles is $27, find the cost of 5 such water bottles.

Ans: $ _____

27 The breadth of a rectangular soccer field is $\frac{1}{3}$ its length. The perimeter of the soccer field is 420 m. Find the breadth of the soccer field.

Ans: _____ m

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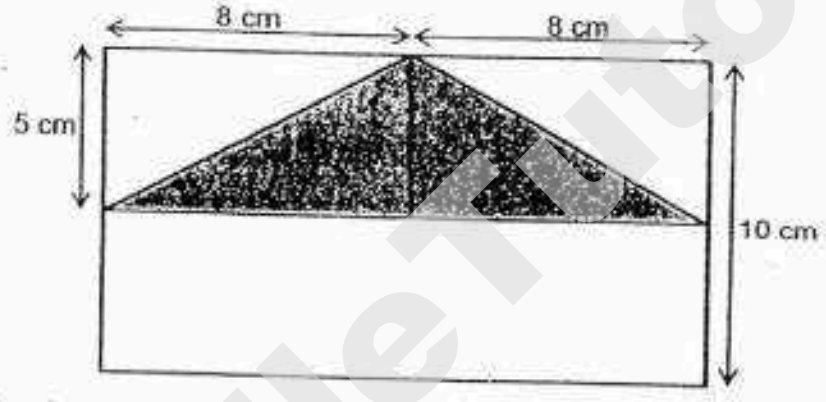
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28 George and Michael had a total of $428. After George saved another $52 and Michael spent $\frac{1}{3}$ of his money, they both had the same amount of money. How much money did George have at first?

Do not write in this space.

Ans: $ _____

29



What fraction of the figure above is unshaded? (Leave your answer in its simplest form.)

Ans: _____

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30 There are some red, blue and yellow balls in a box. The ratio of the number of red to the number of blue balls is 2 : 3. The number of blue to the number of yellow balls is 6 : 7. There are 16 more blue than red balls. How many red balls are there?

Do not write in this space.

Ans: _____

END OF PAPER 1

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PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1

PRIMARY 5
MATHEMATICS
PAPER 2

11 MAY 2016

Parent's signature

Name : _____

Form Class / Register No. : 5L_____ / _____

Banded Class / Register No. : 5M_____ / _____

Total time: 1h 40min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write all your answers in this booklet.
6. The use of an approved calculator is expected, where appropriate.

Paper 1 :	40
Paper 2 :	60
Total Marks :	100

This booklet consists of 14 printed pages, excluding the cover page.

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

Do not write in this space

1 Paul and Jane have some picture cards. After Paul has given 36 picture cards to Jane, he has 24 picture cards more than her. How many more picture cards than Jane does Paul have at the beginning?

Ans: _____

2 The parking charges at MEX Shopping Mall are as follows:

For the 1st hour	$3
For every subsequent half hour or part thereof	$1.20

John parked his car for 3 hours.

How much did he pay for the parking charges?

Ans: $_____

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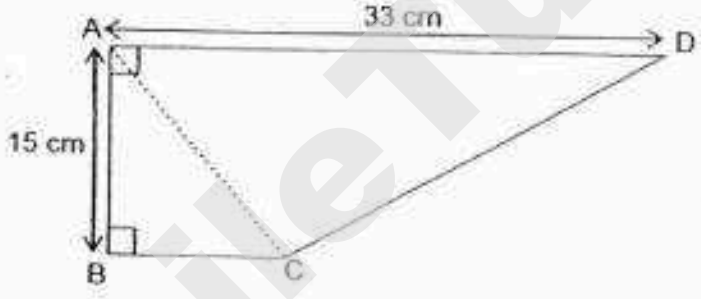
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3 If $\frac{1}{3}$ of a number is 25, what is $\frac{2}{5}$ of the number?

Do not write in this space

Ans. _____

4 The figure below is made up of 2 triangles, ABC and ACD.
The length of AD is thrice as much as the length of BC. AB is perpendicular to AD and BC. Find the area of figure ABCD.



Ans: _____ cm^2

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5 The ratio of Brenda's money to Claire's money is 2 : 9. They have $385 in total. How much money must Claire give Brenda so that each of them has an equal amount of money?

Do not write in this space

Ans: $_____

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Questions **6** to **18** 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. (50 marks)

Do not write in this space

6 In Old MacDonald's farm, there are three times as many chickens as sheep. Given that there are 300 legs altogether, how many chickens are there in the farm?

Ans: _____ [3]

7 For every $15 Andre saved, his father would give him $2.50. If he saved a total of $345 by himself after some months, how much would he have received from his father?

Ans: _____ [3]

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8 Mrs Wong spent $\frac{3}{7}$ of her salary on food and $\frac{3}{4}$ of the remainder on other daily expenses. What fraction of her salary was left?

Do not write in this space

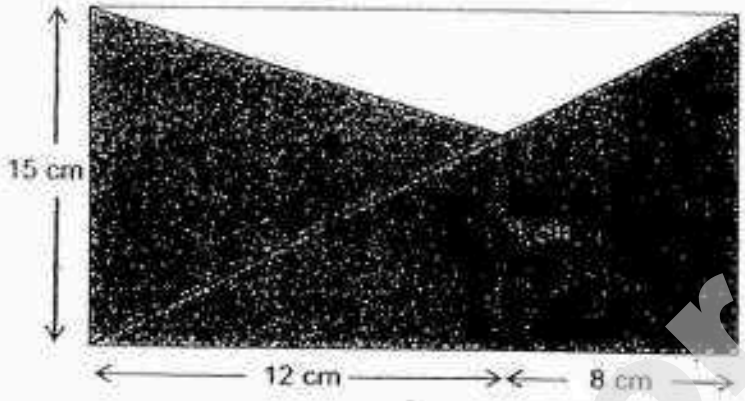
Ans: _____ [3]

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9 The figure below is made up of two shaded triangles within a rectangle. Find the area of the unshaded part.

Do not write in this space



Ans: _____ [3]

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10 Last Sunday, the ratio of the number of boys to the number of girls at the circus was 3 : 5. There are 148 fewer boys than girl. How many children were at the circus?

Do not write in this space

Ans: _____ [3]

11 Mrs Billy made 248 more white chocolate cookies than dark chocolate cookies. After she gave away $\frac{5}{7}$ of the white chocolate cookies and $\frac{1}{3}$ of the dark chocolate cookies, there were an equal number of white chocolate cookies and dark chocolate cookies left. How many white chocolate cookies did she give away?

Ans: _____ [3]

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12 A sum of $728 is divided among a group of people. $\frac{7}{8}$ of the people receive $4 each, $\frac{1}{3}$ of the remainder receive $3 each and the rest receive $2 each. How many people are there altogether?

Do not write in this space

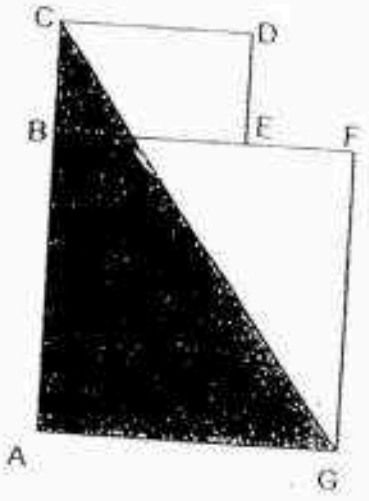
Ans: _____ [4]

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13 ABFG is a square. The length of CD is $\frac{3}{5}$ of BF and the area of BCDE is 864 cm^2. Given BC = EF, find the area of the shaded parts.

Do not write in this space



Ans: _____ [4]

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14 The number of balls in Box A was 38 more than that in Box B. When Belicia removed 61 balls from Box A and placed them in Box B, the ratio of the number of balls in Box A to the number of balls in Box B became 1 : 4. Find the number of balls in each box at first.

Do not write in this space

Ans: Box A: _____ [2]

Box B: _____ [2]

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15 Study the pattern below. The figures are made up of black diamonds.
Each black diamond is denoted by ◆.

Do not write in this space

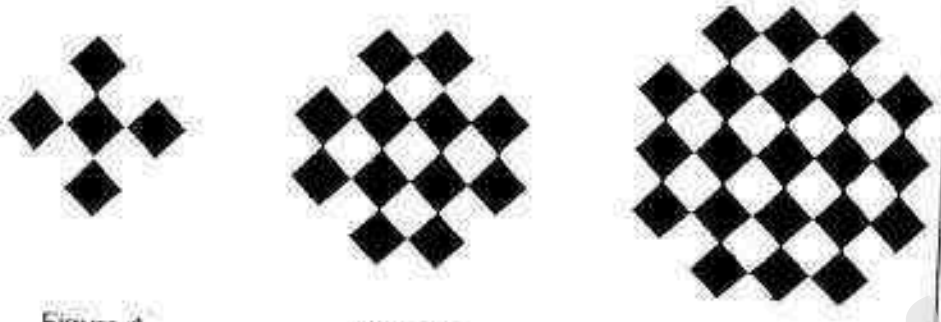


Figure 1 Figure 2 Figure 3

(a) How many black diamonds will there be in Figure 4?
(b) How many black diamonds will there be in Figure 10?
(c) Which figure is made up of 396 black diamonds?

Answer: (a) _____ [2]
(b) _____ [2]
(c) Figure _____ [1]

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16 Timmy's monthly salary was \$4200. Every month, he would give $\frac{3}{10}$ of his salary to his parents and pay \$850 for his car loan. He would also spend $\frac{2}{5}$ of the remaining money on food and save the rest. What fraction of his monthly salary did he spend on his car loan and food?

(Leave your answer in its simplest form.)

Do not write in this space

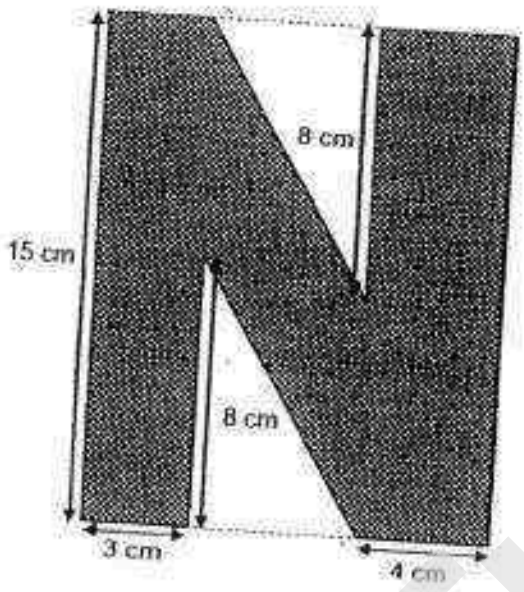
Ans: _____ [5]

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17 Benny painted a letter 'N' on a piece of rectangular cardboard that has a length of 15 cm. The ratio of the length to the breadth of the cardboard is 5:4. Both triangles were identical. What area of the cardboard was painted?

Do not write in this space



Ans: _____ [5]

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18 The ratio of the number of chickens in Farm A to the number of chickens in Farm B was 5 : 9. There were 48 fewer chickens in Farm A than in Farm B. When 5 chickens escaped from Farm B, the farmer in Farm B bought another 9 chickens. What was the new ratio of the number of chickens in Farm A to the number of chickens in Farm B? Give your answer in the simplest form.

Do not write in this space

Ans: _____ [5]

- End of Paper 2 -

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YEAR : 2016
LEVEL : PRIMARY 5
SCHOOL : PEI HWA PRESBYTERIAN PRIMARY
SUBJECT : MATHEMATICS
TERM : SA1

Paper 1

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

Q16 500 000

Q17 1000

Q18 $60

Q19 $\frac{1}{9}$

Q20 $7u \rightarrow 56$
$1u \rightarrow 56 \div 7 = 8$
$2u \rightarrow 8 \times 2 = 16$
$56 - 16 \Rightarrow$ 40 sweets left

Q21 $\frac{4}{5} + \frac{6}{1} = \frac{4}{5} \times \frac{1}{8} \Rightarrow \frac{1}{10}$ kg

Q22 $\frac{1}{2} \times 5 \times 6 \Rightarrow$ 15 cm^2

Q23



Q24 8 : 15

Q25 5 : 7 : 8

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Q26 $3u \rightarrow 27 - 6 = 21$
$1u \rightarrow 21 \div 3 = 7$
$5u \rightarrow 7 \times 5 \Rightarrow \$35$

Q27 $8u \rightarrow 420$
$1u \rightarrow 420 \div 8 \Rightarrow 52.50\ m$

Q28 $5u \rightarrow 428 + 52 = 480$
$1u \rightarrow 480 \div 5 = 96$
$2u \rightarrow 96 \times 2 = 192$
$192 - 52 \Rightarrow \$140$

Q29 $\frac{3}{4}$

Q30 $6u - 4u = 2u$
$2u \rightarrow 16$
$1u \rightarrow 16 \div 2 = 8$
$4u \rightarrow 8 \times 4 \Rightarrow 32$

Paper 2

Q1 $36 + 24 + 36 \Rightarrow 96$ cards

Q2 First hour $\rightarrow \$3$
One hour $\rightarrow \$1.20 \times 2 = \$2.40$
One hour $\rightarrow \$1.20 \times 2 = \$2.40$
Total $\rightarrow \$3 + \$2.40 + \$2.40 \Rightarrow \$7.80$

Q3 $5u \rightarrow 25$
$1u \rightarrow 25 \div 5 = 5$
$6u \rightarrow 5 \times 6 \Rightarrow 30$

Q4 $AD \rightarrow 33$
$BC \rightarrow 33 \div 3 = 11$
Area of ABC $\rightarrow \frac{1}{2} \times 15 \times 11 = 82.50$
Area of ACD $\rightarrow \frac{1}{2} \times 15 \times 33 = 247.50$
Total area $\rightarrow 247.50 + 82.50 \Rightarrow 330\ cm^2$

Q5 $2u + 9u = 11u$
$11u \rightarrow 385$
$1u \rightarrow 385 \div 11 = 35$
$11 \div 2 = 5.5$
$9u - 5.5u = 3.5u$
$3.5u \rightarrow 35 \times 3.5 \Rightarrow \$122.50$

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Q6 $10u \rightarrow 300$
$1u \rightarrow 300 \div 10 = 30$
$3u \rightarrow 30 \times 3 \Rightarrow$ 90 chickens

Q7 $345 \div 15 = 23$
$23 \times 2.50 \Rightarrow$ $57.50

Q8 $\frac{1}{7}$

Q9 60 cm^2

Q10 $5u - 3u = 2u$
$2u \rightarrow 148$
$1u \rightarrow 148 \div 2 = 74$
$8u \rightarrow 74 \times 8 \Rightarrow$ 592 children

Q11 $\frac{2}{7}$ of White $\rightarrow \frac{2}{3}$ of Dark
$7u - 3u = 4u$
$4u \rightarrow 248$
$1u \rightarrow 248 \div 4 = 62$
$5u \rightarrow 62 \times 5 \Rightarrow$ 310 white chocolate cookies

Q12 1 set $\rightarrow$ 24 people
$21 \times \$4 + \$3 + \$2 + \$2 = \$91$
$728 \div 91 = 8$ no. of sets
$24 \times 8 \Rightarrow$ 192 people

Q13 $3 : 2 = 36 : 24$
$\frac{1}{2} \times 60 \times 84 \Rightarrow$ 2520 cm^2

Q14 $3u \rightarrow 23 + 38 + 23 = 84$
$1u \rightarrow 84 \div 3 = 28$
Box A $\rightarrow 28 + 61 \Rightarrow$ 89 balls
Box B $\rightarrow 28 + 23 \Rightarrow$ 51 balls

Q15a 32 diamonds

Q15b 140 diamonds

Q15c Figure 18

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Q16 $4200 \div 10 = 420$
$420 \times 3 = 1260$
$1260 + 850 = 2110$
$4200 - 2110 = 2090$
$2090 \div 5 = 418$
$418 \times 2 = 836$
$850 + 836 = 1686$
$\frac{1686}{4200} \Rightarrow \frac{281}{700}$

Q17 $5u \rightarrow 15$
$1u \rightarrow 15 \div 5 = 3$
Breadth $\rightarrow 3 \times 4 = 12$
Area of 1 triangle $\rightarrow \frac{1}{2} \times 8 \times 5 = 20$
Area of 2 triangles $\rightarrow 20 \times 2 = 40$
Area of whole figure $\rightarrow 15 \times 12 = 180$
Painted $\rightarrow 180 - 40 \Rightarrow$ <u>140 cm^2</u>

Q18 $4u \rightarrow 48$
$1u \rightarrow 48 \div 4 = 12$
$9u \rightarrow 12 \times 9 = 108$
$108 - 5 = 103$
$103 + 9 = 112$
$5u \rightarrow 12 \times 5 = 60$
60 : 112
30 : 56
<u>15 : 28</u>

End

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

Name: _____ ( )

Form Class: P5 _____ Math Teacher : _____

Date: 9 May 2016 Duration: 50 min

Your Paper 1 Score (Out of 40 marks)	
Your Paper 2 Score (Out of 60 marks)	
Your Total Score (Out of 100 marks)	
Parent's Signature	

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INSTRUCTIONS TO CANDIDATES

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

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

---

1. In 3 694 078, the digit 6 is in the _____ place.

   (1) hundreds

   (2) thousands

   (3) ten thousands

   (4) hundred thousands

2. 135 x 2400 = 135 x ___ x 60

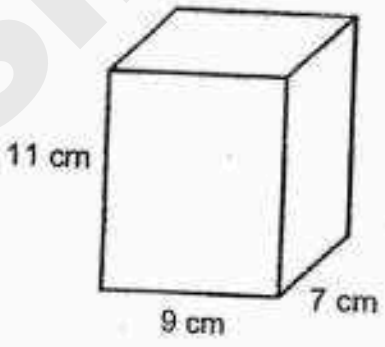
   (1) 4

   (2) 40

   (3) 400

   (4) 4000

3. Find the volume of the cuboid shown below.



   (1) 63 cm^3

   (2) 99 cm^3

   (3) 478 cm^3

   (4) 693 cm^3

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4. What is the missing number in the box below?

$$\frac{\square}{15} = \frac{12}{18}$$

(1) 5

(2) 9

(3) 10

(4) 14

5. Express $\frac{61}{7}$ as a mixed number.

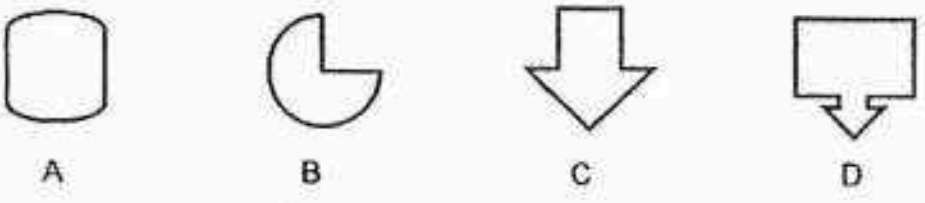
(1) $5\frac{6}{7}$

(2) $6\frac{1}{7}$

(3) $8\frac{5}{7}$

(4) $9\frac{2}{7}$

6. Which of the following figures can be tessellated?



(1) A

(2) B

(3) C

(4) D

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7. Look at the number below.

504.079

Which digit is in the hundredths place?

(1) 1

(2) 5

(3) 7

(4) 9

8. Express 8.16 as a mixed number in its simplest form.

(1) $8\frac{16}{100}$

(2) $8\frac{8}{50}$

(3) $8\frac{4}{25}$

(4) $8\frac{1}{16}$

9. In a class of 30 pupils, there are 12 girls. What is the ratio of the number of girls to the number of boys?

(1) 2 : 3

(2) 2 : 5

(3) 3 : 2

(4) 5 : 2

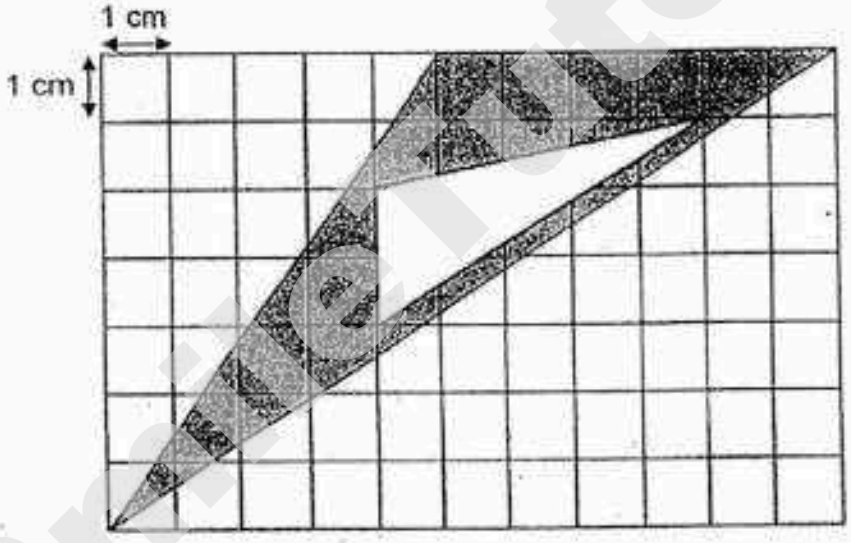
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10. Write 9 hundreds, 4 ones and 6 thousandths in decimal.

(1) 904.06
(2) 904.006
(3) 940.06
(4) 940.006

11. Find the total shaded area in the figure below.

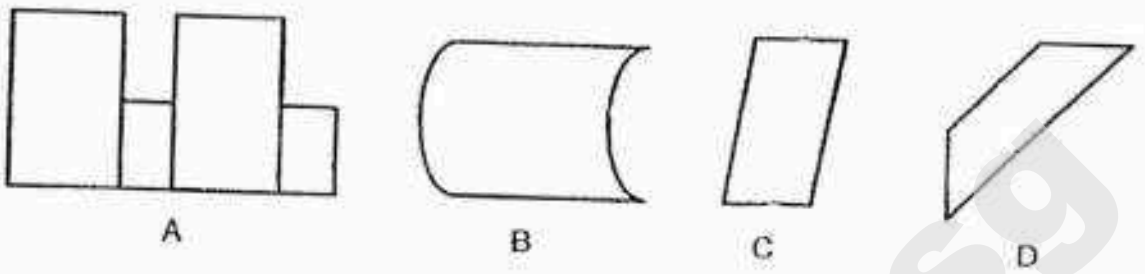


(1) 16 cm^2
(2) 21 cm^2
(3) 26 cm^2
(4) 32 cm^2

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12. Which of the following figures have a line of symmetry?



(1) A and B

(2) A and C

(3) B and D

(4) C and D

13. Hannah went to the gym once every 4 days while Vishnu went to the same gym once every 6 days. They became friends after meeting each other at the gym on a Saturday. Which would be the next earliest day that they would meet each other again at the gym?

(1) Tuesday

(2) Wednesday

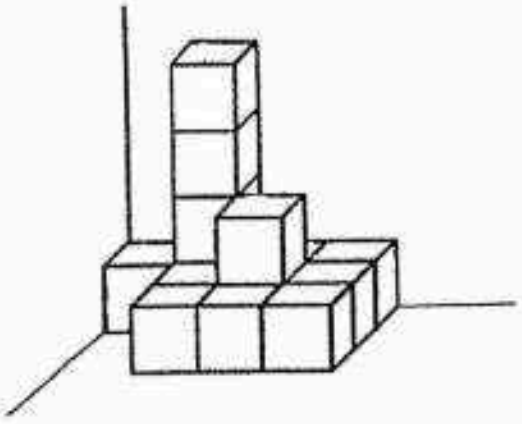
(3) Thursday

(4) Friday

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



(1) 12 cm^3
(2) 13 cm^3
(3) 14 cm^3
(4) 15 cm^3

15. $\frac{4}{9}$ of $\square$ is 324. What is the value of the missing number in the box?

(1) 36
(2) 144
(3) 678
(4) 729

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Questions 16 to 25 carry 1 mark each.
Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.
All diagrams are not drawn to scale.
Answers in fractions or ratio must be expressed in the simplest form.

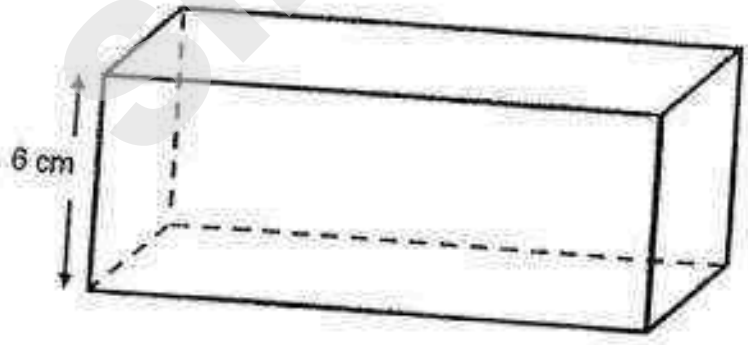
16. Find the value of 564 x 78.

Ans: _____

17. The number of pupils in a school when rounded off to the nearest hundred was 1 900 people. What was the smallest possible number of pupils in the school?

Ans. _____

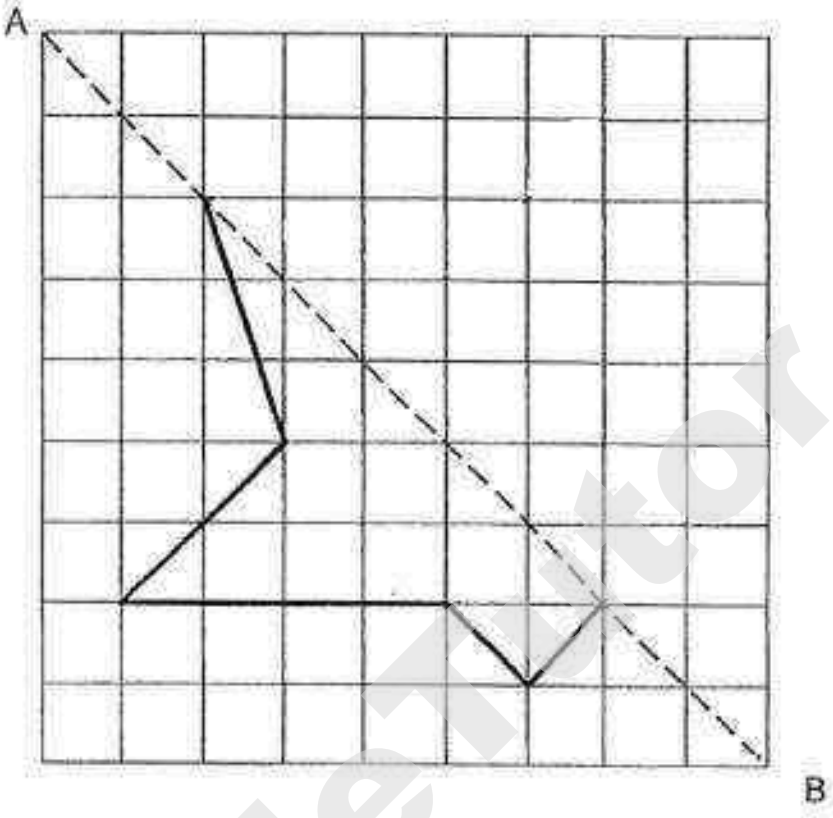
18. The cuboid below has a volume of 510 cm^3. Find the area of the base of the cuboid, given that its height is 6 cm.



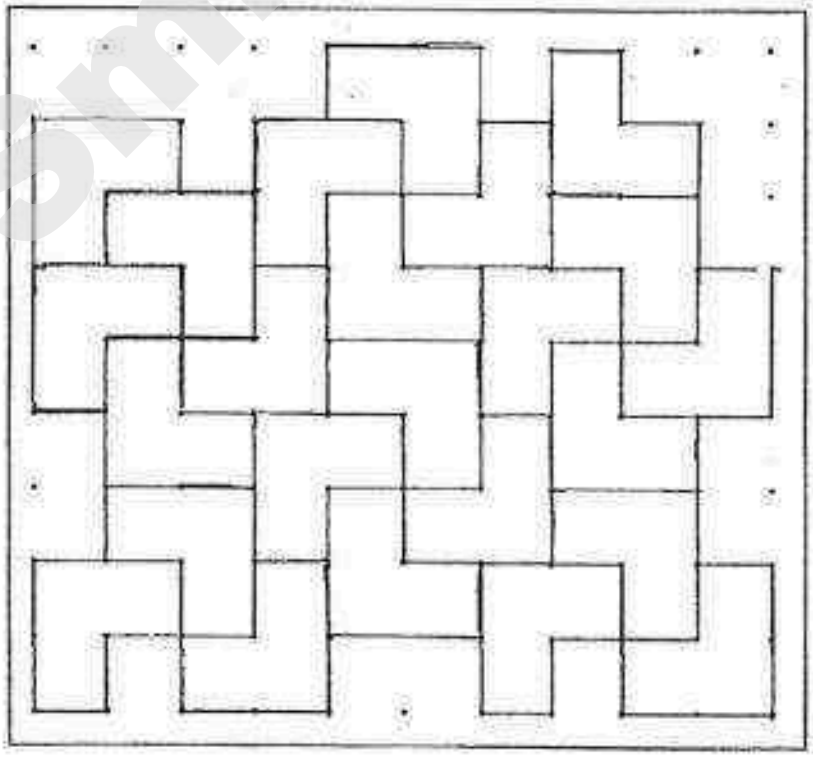
Ans: _____ cm^2

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19. Given that AB is a line of symmetry, complete the figure below.



20. Shade the unit shape that is incorrectly tessellated in the figure below.



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21. Miko had $\frac{2}{9}$ kg of rice. She used $\frac{1}{6}$ kg of her rice to make some sushi. How much rice did she have left?

Ans: _____ kg

22. Express $\frac{5}{8}$ as a decimal.

Ans: _____

23. Find the value of 36.701 ÷ 7.

Ans: _____

24. Find the value of $5\frac{7}{10} - 1.44 + 60$.

Ans: _____

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25. Mrs Wong bought 30 banana cupcakes, 36 raisin cupcakes and 54 walnut cupcakes. Find the ratio of the number of raisin cupcakes to the total number of banana and walnut cupcakes.
Leave your answer in the simplest form.

Ans: _____

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Questions **26** to **30** carry 2 marks each.
Show your working clearly in the space provided for each question and write your answers in the space provided.
For questions which require units, give your answers in the units stated.
All diagrams are not drawn to scale.
Answers in fractions or ratio must be expressed in the simplest form.

---

26. A car can travel 207 km on 9 litres of fuel.

How far can the car travel with 30 litres of fuel?

Ans: _____km

27. $28 + 240 \div (3 \times 4) - (15 - 5) =$ _____

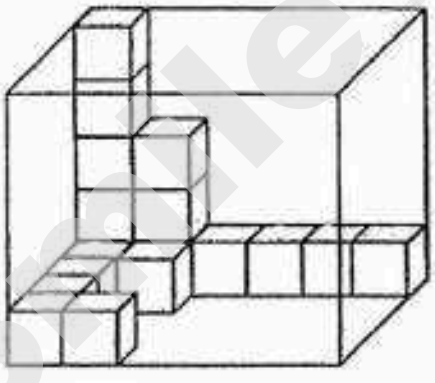
Ans: _____

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28. The base of a cubical tank has an area of 144 cm^2. The tank is $\frac{1}{3}$ filled with water. Find the volume of water in the tank.

Ans: _____ cm^3

29. The figure below shows a rectangular glass box partly filled with unit cubes. How many more unit cubes must be added to the glass box for it to be completely filled with unit cubes?

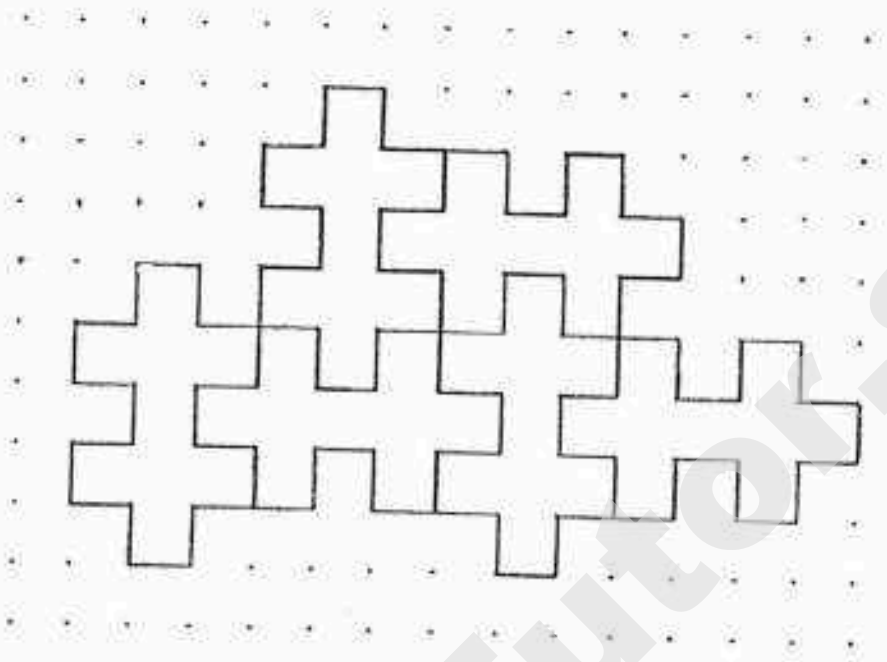


Ans: _____

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30. Extend the tessellation by drawing 2 more unit shapes.



End of Paper
☺ Please check your work carefully ☺

Setters: Ms Tan Y. T.
Ms Teo S. H.
Mrs J. Seto

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

Name: _____ ( )

Form class: P5 _____ Math Teacher : _____

Date: 9 May 2016 Duration: 1 h 40 min

Your Paper 2 Score (Out of 60 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.
4. The use of calculator is allowed for this paper.

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

---

1. 48 pupils participated in a run. $\frac{3}{8}$ of the pupils were girls.
   How many boys participated in the run?

Ans: _____ [2]

2. I am a common factor of 24 and 36.
   I am a multiple of 4 and 6.
   I am greater than 10
   What number am I?

Ans: _____ [2]

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3. Aisha had 1272 marbles. She gave $\frac{1}{3}$ of her marbles to Bala and $\frac{1}{4}$ of her marbles to Catherine. How many marbles did she give away?

Ans: _____ [2]

4. Mathew designed a logo using three ovals. The areas of the ovals were in the ratio of 1 : 4 : 13. He then shaded some parts of the logo as shown.
What was the ratio of the shaded area to the unshaded area of the logo?

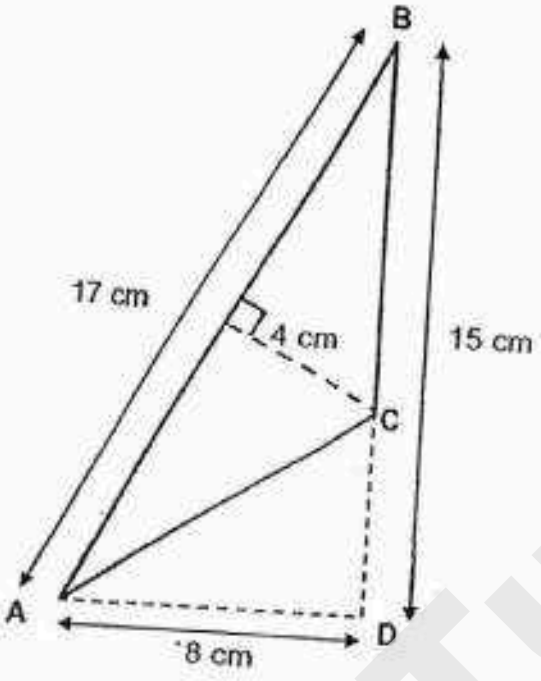


Ans: _____ [2]

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5. What is the area of triangle ABC as shown in the figure below?



Ans: _____ cm^2 [2]

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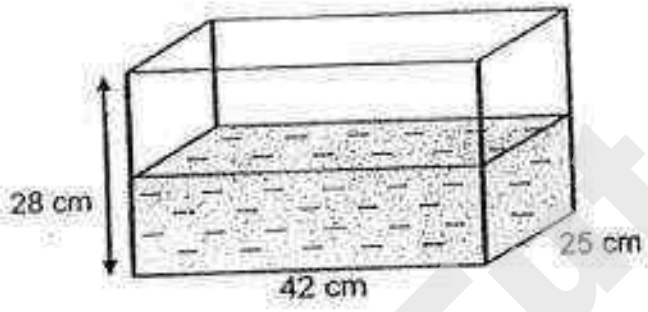
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For questions **6** to **18**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
Figures are not drawn to scale.
The number of marks available is shown in the brackets [ ] at the end of each question or part-question. (50 marks)

---

6. In the figure below, a fish tank measuring 42 cm by 25 cm by 28 cm was filled with water to its brim. Then, 10.08 ℓ of water was removed from the fish tank.

Find the volume of water left in the tank.



Ans : _____ [3]

7. Katrina had some red, blue and green beads in the ratio of 5 : 4: 6. She had a total of 385 red and green beads. How many blue beads did she have?

Ans: _____ [3]

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8. Manesh had $124 more than Putri. Putri spent $29 on a book and gave $42 to Manesh. In the end, Manesh had 4 times as much money as Putri. How much money did Putri have at first?

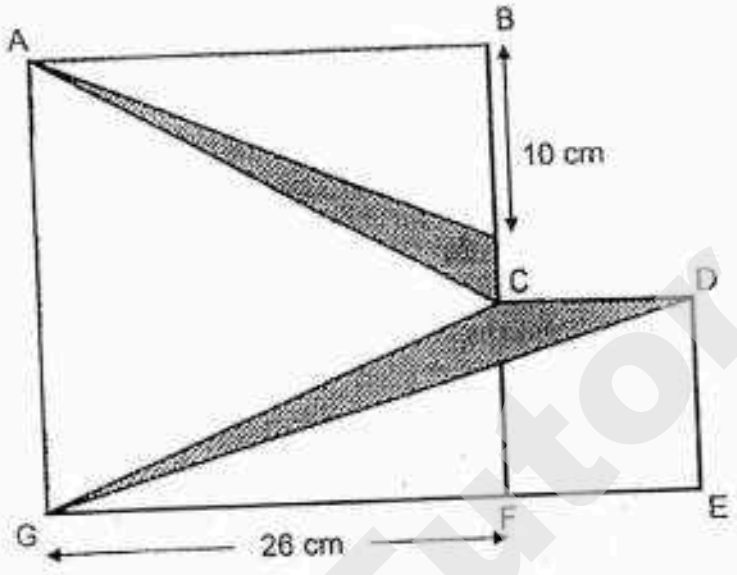
Ans: _____ [3]

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9. ABFG and CDEF are squares. The area of CDEF is 121 cm^2.

Find the total shaded area in the figure.



Ans: _____ [4]

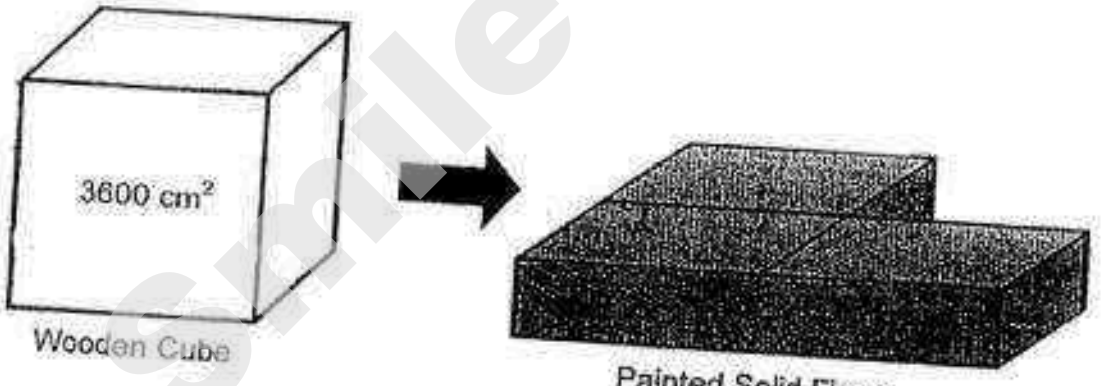
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10. Xiao Hui had some 20¢ and 50¢ coins which added up to $20.30.
She had 14 more 20¢ coins than 50¢ coins. How many 20¢ coins did she have?

Ans: _____ [4]

11. The area of one face of the wooden cube below is 3600 cm^2. A carpenter cut the wooden cube into three cuboids of identical size. After gluing the cuboids together to make a solid figure as shown below, he painted all the surfaces of the solid figure red. What was the total surface area of the solid figure that had been painted red?



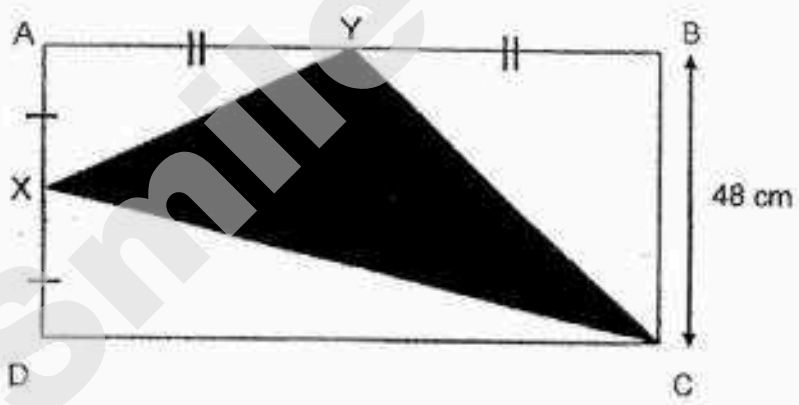
Ans: _____ [3]

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12. Tony had $522 more than Robert. After Tony spent $\frac{5}{7}$ of his money and Robert spent $\frac{1}{5}$ of his money, they had the same amount of money left.
How much did Tony have at first?

Ans: _____ [3]

13. ABCD is a rectangle. BC is 48 cm and AB is twice of BC.
Find the area of triangle CXY.



Ans: _____ [4]

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14. Study the table below and answer the questions that follow.

Row	Numbers	Sum of each row
1	1	1
2	1 1	2
3	1 2 1	4
4	1 3 3 1	8
5	1 4 6 4 1	16
6	1 5 10 10 5 1	32
7	1 (i) (ii) 20 15 6 1	64

a) What are the numbers represented by (i) and (ii)?

b) Which row will have a sum of 1 024?

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

(ii) _____ [1]

(b) _____ [2]

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15. Amy and Brian decided to buy a bag which cost $945 for their mother. They shared the cost of the bag in the ratio of 1 : 4.

(a) How much did Brian pay for the bag?

(b) Cathy wanted to share the cost of the bag too. The three of them decided to share the cost of the bag equally. How much should Cathy pay Brian?

Ans : (a) _____ [2]

(b) _____ [3]

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16. Tammy wanted to buy some cookies and brownies. The cost of a cookie was $\frac{3}{4}$ the cost of a brownie. A set of 3 cookies and 2 brownies cost $5.10.

What was the total amount Tammy had to pay for 17 cookies and 10 brownies?

Ans: _____ [4]

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17. The ticket price for 4 adults and 3 children for a concert is $136. The ticket price for 6 adults and 6 children is $222.

a) Find the cost of an adult ticket.

b) Miss Tan wants to bring her class of 40 Primary 3 pupils to the concert. For every 15 pupils, there must be 1 accompanying teacher. What is the minimum cost she needs to pay altogether?

Ans : (a) _____ [2]

(b) _____ [3]

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18. Mike, Nathan and Owen each had some marbles and decided to play a game with their marbles.

In round 1, Mike lost $\frac{1}{2}$ of his marbles to Nathan.

In round 2, Nathan lost $\frac{1}{2}$ of his total number of marbles to Owen.

In round 3, Owen lost $\frac{1}{2}$ of his total number of marbles to Mike.

In the end, Mike, Nathan and Owen had 124, 88 and 68 marbles respectively.

How many marbles did Nathan have at first?

Ans : _____ [5]

End of Paper
Please check your work carefully ☺

Setters: Ms Tan Y. T.
Ms Teo S. H.
Mrs J. Seto

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EXAM PAPER 2016 (P5)

SCHOOL : RAFFLES GIRLS'

SUBJECT : MATHEMATICS

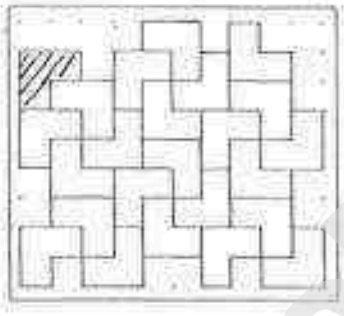
TERM : SA1

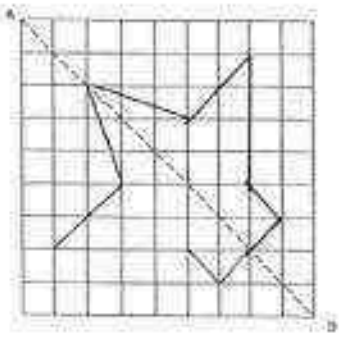
ORDER CALL : MR GAN @ 92998971 92475053 86065443

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

16)43992 17)1850 18)85cm2 19)

20)





21)1/18kg 22)0.625 23)243 24)64.26 25)3:7

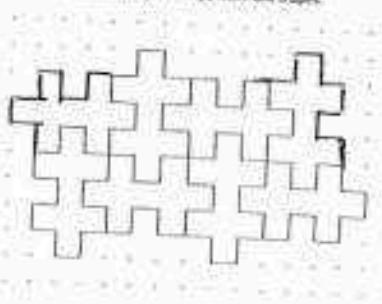
26)690km 27)38 28)576cm3 29)132

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30

30. Extend the tessellation by drawing 2 more unit shapes.



Paper 2

1)5/8 x 48/1 = 30 boys

2)12 ÷ 4 = 3

12 ÷ 6 = 2

Ans: 12

3)1/3 x 1272/1 = 424 (Bala)

¼ x 1272/1 = 318 (Catherine)

424 + 318 = 742

4)shaded area→13 + 1 = 14

14 – 4 = 10

Unshaded area→4 – 1 = 3

S : U

10: 3

5) ½ x 17 x 4 = 34cm2

6)42 x 25 x 28 = 29400

29400 – 10080 = 19320ml

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7)5u + 6u = 11u

11u→385

1u→385 ÷ 11 = 35

4u→35 x 4 = 140 blue beads

8)29 + 42 + 124 +42 = 237

3u→237

1u→237 ÷ 3 = 79

79 + 29 + 42 = $150

9)121 = 11 x 11

10 + 11 = 21

26 – 21 = 5

½ x 11 x 11 = 60.5

½ x 26 x 5 = 65

65 + 60.5 = 125.5cm2

10)14 x 0.20 = 2.80

20.30 – 2.80 = 17.5

0.20 + 0.50 = 0.70

17.5 ÷ 0.70 = 25

25 + 14 = 39

11)1r→60 x 20 = 1200

8r→1200 x 8 = 9600 (painted red)

1s→3600

6s→3600x 6 = 21600 (painted red)

9600 +21600 = 31200cm2

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12)14 – 5 = 9

9u→522

1u→522 ÷ 9 = 58

14u→58 x 14 = $812

13) ½ x 48 x 24 = 576

½ x 48 x 48 = 1152

½ x 96 x 24 = 1152

Total area of rectangle→48x 96 = 4608

Total area of unshaded parts→576 + 1152 + 1152 = 2880

Triangle CXY→4608 – 2880 = 1728cm2

14)a)1 + 20 + 15 + 6 + 1 = 43

64 – 43 = 21

21 – 6 = 15

b)1024 ÷ 2 = 512

512 ÷ 2 = 256

256 ÷ 2 = 128

128 ÷ 2 = 64

10 + 1 = 11

15)a)1u + 4u = 5u

5u→945

1u→945 ÷ 5 = 189

4u→189 x 4 = $756

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15)b)3u→945

1u→94÷3 = 315

Amy to Brian→135 – 189 = 126

Cathy to pay Brian→756 – 315 – 126 = $315

16)4u x 2 = 8u

3u x 3 = 9u

8u + 9u = 17u

17u→5.10

1u→5.10 ÷ 17 = 0.3

4u x 10 = 40u

3u x 17 = 51u

40u + 51u = 91u

91u→0.3 x 91 = $27.3

17)a)4A + 3C = 136→28A + 6C = 272

6A + 6C = 222

2A = 50

1A = 50 ÷ 2 = 25

4A = 25 x 4 = 100

3C = 136 – 100 = 36

1C = 36 ÷ 3 = 12

18)120

17)b)40 ÷ 15 = 2R10

40 x 12 = 480 (child tickets price)

2 + 1 = 3 (2 accompanying teacher + Miss Tan)

3 x 25 = 75 (adult tickets price)

480 + 75 = $555

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2

Rosyth School
First Semestral Assessment 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr. 5 - _____

Date: 10th May 2016 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet A)

Instructions to Pupils:

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

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

* This booklet consists of 6 pages (including this cover page)

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

(20 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

---

1. Express three million, ninety thousand, five hundred and seven as a numeral.

(1) 3 009 057
(2) 3 009 507
(3) 3 090 057
(4) 3 090 507

2. Express 2 kg 8 g in grams.

(1) 208 g
(2) 2008 g
(3) 2080 g
(4) 2800 g

3. There are 189 495 people living in a town.
Express this number to the nearest thousand.

(1) 180 000
(2) 188 000
(3) 189 000
(4) 190 000

4. Find the difference between 34.9 and 6.07.

(1) 27.39
(2) 28.02
(3) 28.2
(4) 28.83

(Go on to the next page)

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5. Which one of the following is not equivalent to $770 \div 40$?

(1) $770 \div 2 \div 20$

(2) $770 \div 20 \div 20$

(3) $770 \div 2 \div 2 \div 10$

(4) $770 \div 8 \div 5$

6.



The left half of a symmetric figure is shown above. XY is the line of symmetry.
Which one of the following completes the symmetric figure?

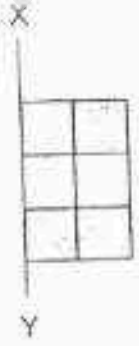
(1)



(2)



(3)



(4)

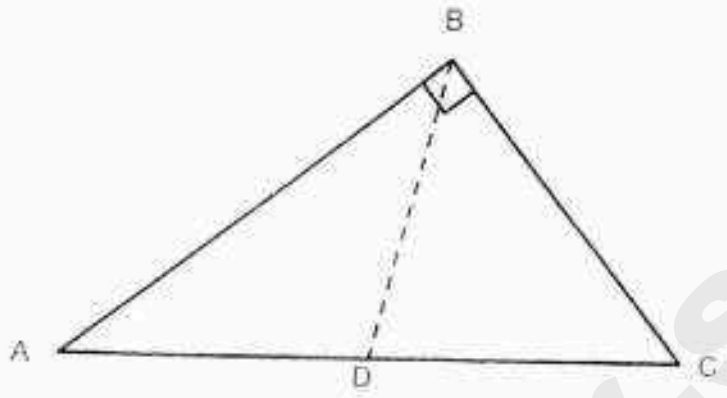


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7. The figure below shows a triangle ABC. Which of the following lines is the height of this triangle?



(1) AC
(2) AD
(3) BC
(4) BD

8. Which one of the following has the same value as $\frac{18}{60}$?

(1) 0.18
(2) 0.3
(3) 0.186
(4) 1.8

9. There was a total of 300 visitors at the National Museum. 50 of them were children. What fraction of the visitors was children?

(1) $\frac{1}{7}$
(2) $\frac{1}{6}$
(3) $\frac{1}{5}$
(4) $\frac{5}{6}$

(Go on to the next page)

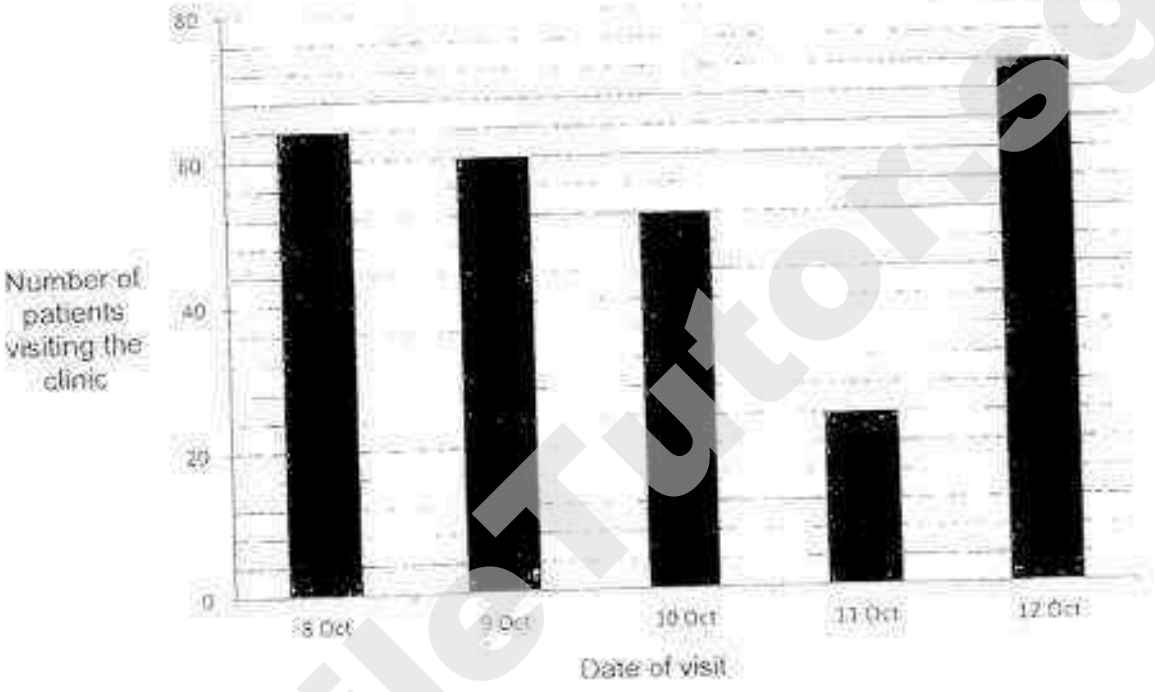
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Use the information below to answer Questions 10 and 11.

The bar graph below shows the number of patients visiting a clinic during a period of time. The average number of patients visiting the clinic is 8 patients per hour.

Clinic opening hours	
Monday to Saturday	9am – 4pm
Sunday	9am – 12.30pm



10. Which date is most probably a Sunday?

(1) 9 October
(2) 10 October
(3) 11 October
(4) 12 October

11. What is the total number of patients visiting the clinic from 8 October to 12 October?

(1) 228
(2) 256
(3) 262
(4) 272

(Go on to the next page)

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

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

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

(3) $\frac{5}{6}$

(4) $\frac{6}{5}$

13. Matthew threw a beanbag over a distance of 1.8 m. Ben threw the same beanbag and the distance was twice as far as Matthew's. Kumar threw the same beanbag and the distance was 40 cm more than Ben's distance. What was the distance travelled by Kumar's beanbag?

(1) 2.2 m

(2) 3.6 m

(3) 4.0 m

(4) 8.0 m

14. John sold $7\frac{2}{3}$ kg of grapes in the morning. He sold $3\frac{11}{12}$ kg less grapes in the afternoon. How many kilograms of grapes did John sell altogether?

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

(2) $10\frac{13}{15}$ kg

(3) $11\frac{5}{12}$ kg

(4) $11\frac{11}{12}$ kg

15. Molly saved half of her daily pocket money from Monday to Friday every week. She had $82.50 after saving for 10 consecutive weeks. How much was her daily pocket money?

(1) $1.25

(2) $2.50

(3) $6.25

(4) $12.50

(Go on to Booklet B)

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Rosyth School
First Semestral Assessment 2016
Primary 5 Mathematics

Name: _____ Register No: _____

Class: Pr 5 - _____

Date: 10th May 2016 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet B)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are **not** allowed to use a calculator.
4. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	20	

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

Do not write in this space

16. Find the value of the following expression.

$11 - 6 + 10 \div (5 - 3)$

Ans: _____

17. Find the value of 70.8×500

Ans: _____

18. Round off 1489.027 to 2 decimal places.

Ans: _____

19. The total mass of 30 children is 612 kg. What is the average mass of one child?

Ans: _____ kg

(Go on to the next page)

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20. 2 pizzas are shared among 5 pupils. What fraction of the pizza will each pupil get?

Do not write in this space

Ans: _____

21. Find the value of $\frac{3}{4} \times 12$.

Give your answer as a fraction in the simplest form.

Ans: _____

22.

Bicycle for Rental	
For the first hour	$5
For every additional $\frac{1}{2}$ hour	$3

Ahmad rented a bicycle from 9am to 11.25 a.m. How much did he pay?

Ans: $ _____

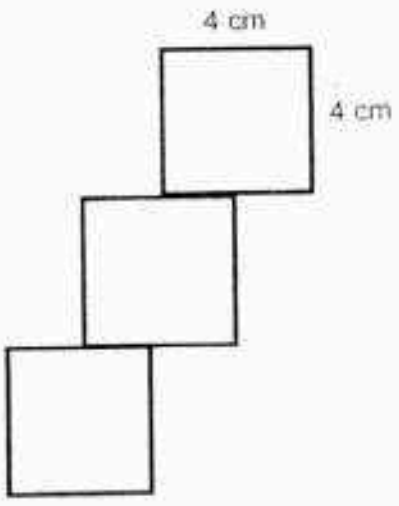
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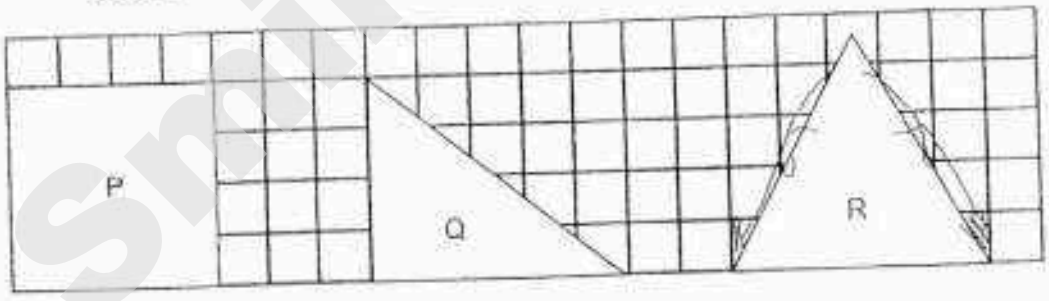
Do not write in this space

23. The figure below is made up of 3 identical squares with each side measuring 4 cm. Find the perimeter of the figure.



Ans: _____ cm

24. In the square grid below, P is a rectangle, Q is a right-angled triangle and R is an equilateral triangle. Arrange P, Q and R from the smallest area to the largest.



Ans: _____, _____, _____
smallest

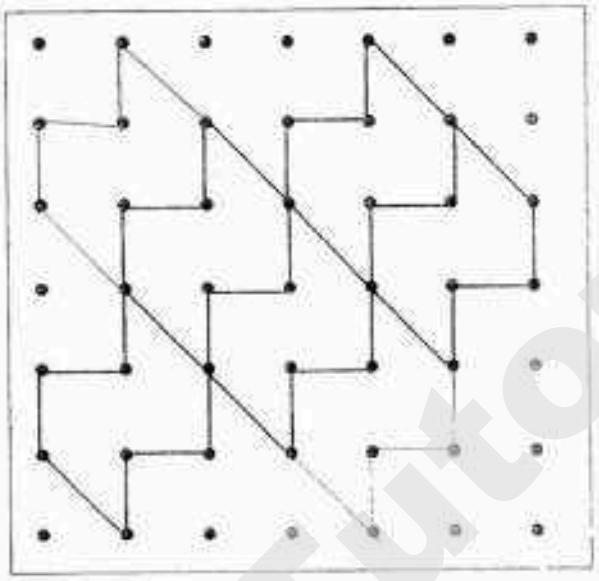
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25. The pattern in the box below shows part of a tessellation. Extend the tessellation by drawing **two** more unit shapes in the space provided in the box.



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Questions **26** to **30** carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

26. A notebook cost $14 more than a pen. Mina paid $52 for 3 notebooks and 2 pens. How much did each notebook cost?

Ans: $ _____

27. A pail has a mass of 5.6 kg when it is filled with sand. The same pail has a mass of 3.1 kg when it is half-filled with sand. Find the mass of this pail when it is empty.

Ans: _____

(Go on to the next page)

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Do not write in this space

28. Felicia spent $\frac{1}{3}$ of her money on a bag and $\frac{1}{5}$ of the remainder on a necklace. She had $320 left after she had bought the bag and the necklace. How much money did she have at first?

Ans: $ _____

29. Observe the number pattern in Figure A and Figure B. What is the missing number in Figure C?

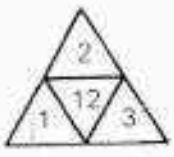


Figure A



Figure B



Figure C

Ans: _____

(Go on to the next page)

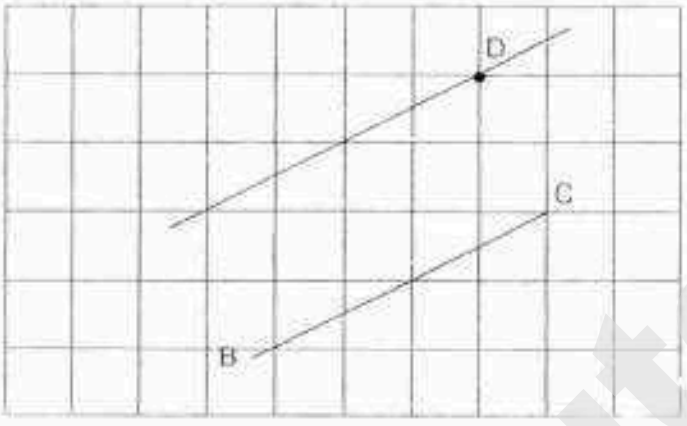
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30. In the square grid, line BC has been drawn.

(a) Measure the length of BC. Round off your answer to the nearest whole number.

(b) Draw a line parallel to BC through point D in the square grid below.



Do not write in this space

Ans (a): _____ cm

End of paper.
Have you checked your work?

(Go on to the next page)

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Rosyth School
First Semestral Assessment 2016
Primary 5 Mathematics

Name: _____ Register No: _____

Class: Pr 5 - _____

Date: 10th May 2016 Parent's Signature: _____

Time: 1 h 40 min

PAPER 2

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. **Show your workings clearly** as marks are awarded for correct working.
4. Write your answers in this booklet.
5. You are allowed to use a calculator.
6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 18	50	

Section	Maximum Mark	Marks Obtained
Paper 1	40	
Paper 2	60	
Total	100	

* **This booklet consists of 15 pages (including this cover page)**

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

(10 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

Do not write in this space

1 Oliver planned to complete reading his book in $2\frac{1}{5}$ h. He completed reading his book in $3\frac{1}{3}$ h instead. How much more time did he take to complete reading his book? Give your answer as a fraction in the simplest form.

Ans: _____ h

2 2 shirts cost as much as 5 caps. Andy bought 3 shirts and 10 caps for $224. How much is the cost of 8 shirts and 8 caps?

Ans: $ _____

(Go on to the next page)

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Do not write in this space

3. The average number of marbles in Box A, Box B and Box C is 37. Box A has 33 marbles. The number of marbles in Box B is twice the number of marbles in Box C. What is the number of marbles in Box C?

Ans: _____

4. Alex, Ben and Carl collected 302 bookmarks. Alex had 18 more bookmarks than Ben. Carl had 3 times as many bookmarks as Alex. How many bookmarks did Carl collect?

Ans: _____

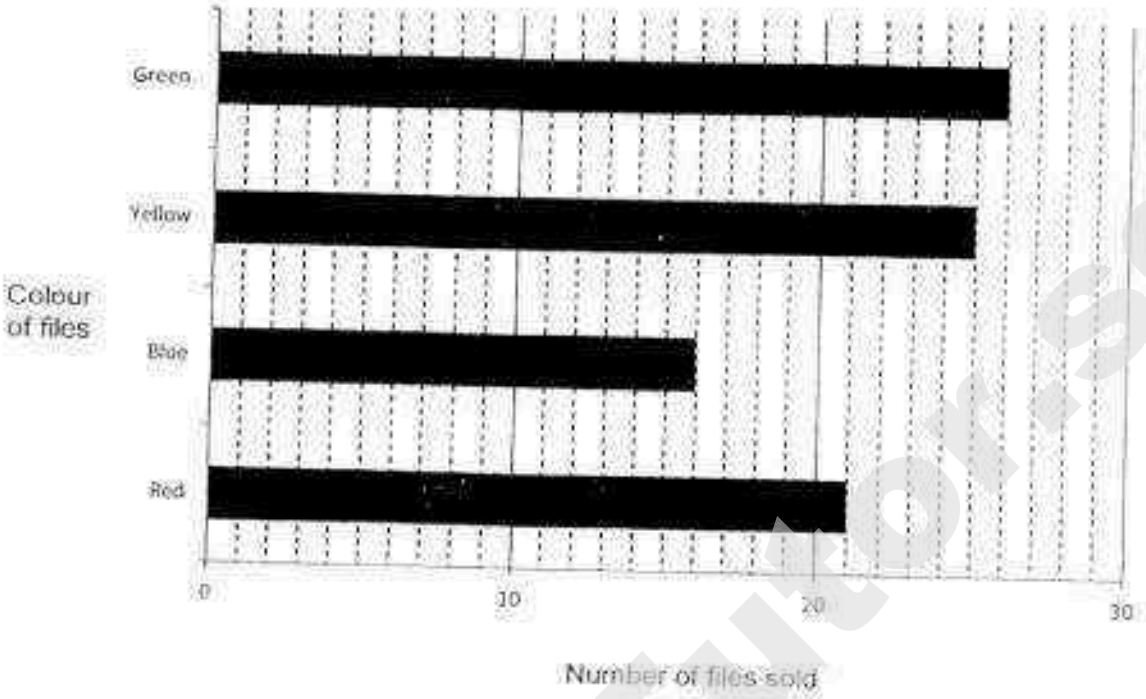
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5. The bar graph below shows the number of files sold by a bookshop on a Friday.

Do not write in this space



Colour of file	Price per file
Red	$1.25
Blue	$2.75
Yellow	$0.95
Green	$1.60

(a) Which coloured file did the shop collect the most money from the sale?
(b) What was the amount of money?

Ans: (a) _____

(b) $ _____

(Go on to the next page)

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For Questions 6 to 18, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets ( ) at the end of each question or part question. For questions which require units, give your answers in the units stated.

(50 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

Do not write in this space

6. Hamid has $\frac{3}{5}$ as many erasers as Devi and $\frac{2}{3}$ as many erasers as Felicia. They have a total of 150 erasers. How many erasers does Felicia have?

Ans: _____ [3]

7. Tom had $\frac{7}{8}$ kg of flour. He used $\frac{2}{3}$ of the flour to bake a cake. What was the mass of flour left?

Ans: _____ [3]

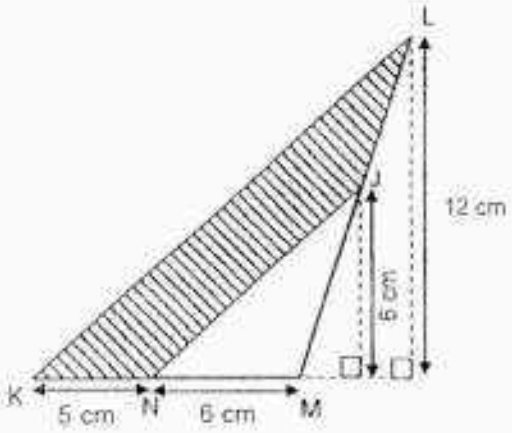
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8. The figure below is made up of 2 triangles, NJM and KLM.
Find the area of the shaded part in the figure below.

Do not write in this space



Ans: _____ [3]

9. The average number of pencils in each box was 22. After four such boxes were removed, all the pencils were re-distributed. The average number of pencils in each box became 24. What was the total number of pencils in all the boxes at first?

Ans: _____ [3]

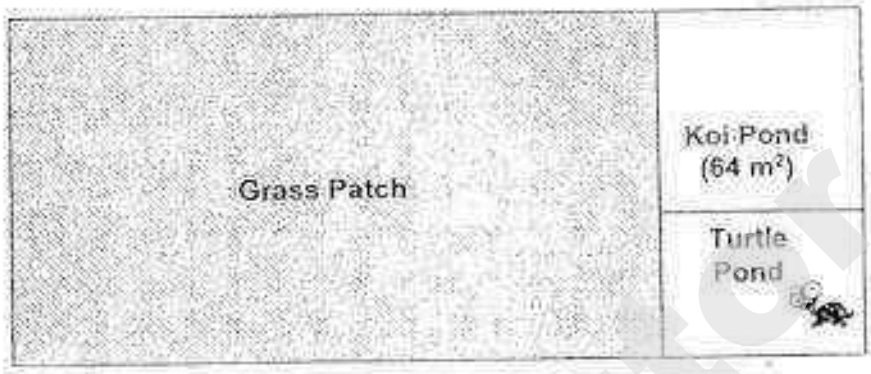
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10. The figure below shows a garden in the school with two ponds beside each other. The koi pond is a square pond with an area of 64 m^2. The area of the rectangular turtle pond is $\frac{3}{4}$ of the area of the koi pond. The length of the grass patch is twice the breadth of the grass patch.

(a) What is the breadth of the turtle pond?
(b) What is length of the grass patch?



Do not write in this space

Ans: (a) _____ [2]

(b) _____ [1]

(Go on to the next page)

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11. Bryan had some bags of sweets and some packets of chocolates. Each bag contained 9 sweets and each packet contained 4 chocolates. The total number of bags of sweets and packets of chocolates that he had was 40. He had 43 more chocolates than sweets. How many ~~packets~~ bags of sweets did Bryan have?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

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12. Fazli and Ginny collected some erasers. If Fazli gave Ginny 52 erasers, both would have an equal number of erasers. If Ginny gave Fazli 40 erasers, Fazli would have 5 times as many erasers as Ginny. How many erasers did each one of them have?

Do not writ in this spac

Ans: Fazli: _____

Ginny: _____ [4]

(Go on to the next page)

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13. The table below shows the charges for printing at a printing company.

Do not write in this space

	A4-size paper	A3-size paper
Basic printing charge	\$40 for every order	\$50 for every order
Quantity	Cost per piece	Cost per piece
1 to 49	\$0.60	\$0.80
50 to 99	\$0.55	\$0.75
100 to 499	\$0.50	\$0.70

(a) Siling wants to place an order to print 380 A4-size copies of her poster. How much does she need to pay?

(b) Roland placed an order to print some A4-size copies of his poster. Ahmad placed an order to print some A3-size copies of his poster. Both of them ordered an equal number of copies of their posters. The total cost of their orders was \$324. How many A4-size copies of the poster did Roland print?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

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14. At first, all the apples were placed in 40 boxes with an equal number of apples in each box. 4 boxes were removed and the number of apples in these boxes were put in the remaining 36 boxes. In the end, the number of apples in each remaining box increased by 3. What was the number of apples in each box at first?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

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15. $\frac{3}{8}$ of the boys in a competition is equal to $\frac{4}{5}$ of the girls.
There are 255 more boys than girls in the competition.
How many pupils are there in the competition?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

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16. Carol tied some ribbons along a rope in a row at equal distance apart. The distance between the first and the fifth ribbon was 8 m. The first ribbon and the last ribbon were tied 3 m away from each end of the rope. What was the length of the rope if she had tied 30 ribbons on it?

Do not write in this space

Ans: _____ [5]

(Go on to the next page)

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17. The table below shows the prices of tickets for a concert performance for an adult ticket and a child ticket.

Do not write in this space

	Price per ticket
Adult	$22
Child	$8

$\frac{1}{4}$ of the tickets sold were for adults. The total amount of money collected from sale of the child tickets was $230 more than the total amount collected from the sale of adult tickets.

(a) How many child tickets were sold?
(b) How much money was collected from the sale of all the tickets?

Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

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18. Mary spent $1 560 to buy some boxes of chocolate and almond cookies. Each box of chocolate cookies cost $22 and each box of almond cookies cost $25. The chocolate cookies were packed in boxes of 12 cookies each and the almond cookies were packed in boxes of 10 cookies each. She bought an equal number of chocolate cookies and almond cookies. She bought a total of less than ~~200~~ 300 cookies.

(a) How many boxes of chocolate cookies did she buy?

(b) How many boxes of almond cookies did she buy?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [3]

End of Paper

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YEAR : 2016
LEVEL : PRIMARY 5
SCHOOL : ROSYTH
SUBJECT : MATHEMATICS
TERM : SA1

Paper 1

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

Q16 10

Q17 35 400

Q18 1489.03

Q19 20.4 kg

Q20 $\frac{2}{5}$

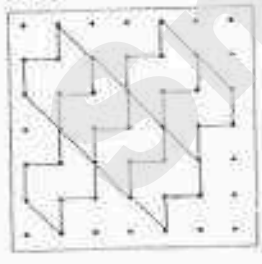
Q21 $\frac{1}{16}$

Q22 $14

Q23 40 cm

Q24 Q, R, P

Q25



Q26 14 x 3 = 42
52 – 42 = 10
10 ÷ 5 = 2
2 + 14 ⇒ $16

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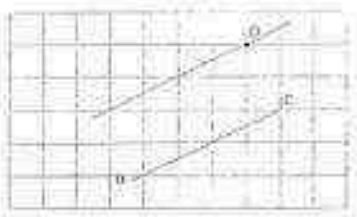
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Q27 3.1 x 2 = 6.2
6.2 – 5.6 ⇒ 0.6 kg

Q28 $600

Q29 27 x 2 ⇒ 54

Q30a



Q30b 5 cm

Paper 2

Q1 $1\frac{2}{15}$

Q2 2S → 5C
7S → 224
1S → 224 ÷ 7 = 32
3S → 32 x 3 = 96
10C → 224 – 96 = 128
1C → 128 ÷ 10 = 12.80
8S + 8C → (32 x 8) + (12.80 x 8) ⇒ $358.40

Q3 Total marbles → 37 x 3 = 111
Box C → 111 – 33 = 78
78 ÷ 3 ⇒ 26 marbles

Q4 1u → 302 – (18 x 4) = 230
230 ÷ 5 = 46
(46 x 3) + (18 x 3) ⇒ 192 bookmarks

Q5a Blue

Q5b $44

Q6 150 ÷ 25 = 6
6 x 9 ⇒ 54 erasers

Q7 $\frac{7}{24}$ kg

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Q8 $48\ cm^2$

Q9
Pencil removed → 4 x 22 = 88
Change in avg → 24 – 22 = 2
No. of box → 88 ÷ 2 = 44
Total no. → 44 x 22 + 88 ⇒ 1056 pencils

Q10a
64 ÷ 4 = 16
16 x 3 = 48
48 ÷ 8 ⇒ 6 m

Q10b
14 x 2 ⇒ 28 m

Q11
Assume all are chocolates: 40 x 4 = 160
Diff → 43
160 – 43 = 117
1 set → 4 + 9 = 13
No. of bag → 117 ÷ 13 ⇒ 9 packets

Q12
4u → 40 + 52 + 52 + 40 = 184
1u → 184 ÷ 4 = 46
Fazil → 46 + 40 + 52 + 52 ⇒ 190 erasers
Ginny → 46 + 40 ⇒ 86 erasers

Q13a
1 piece → 0.50
380 pieces → 0.50 x 380 = 190
190 + 40 ⇒ $230

Q13b
324 – 90 = 234
1 set → 0.50 + 0.70 = 1.20
2 sets → 234 ÷ 1.20 ⇒ 195 copies

Q14
4 boxes → 36 x 3 = 108
1 box → 108 ÷ 4 ⇒ 27 apples

Q15
Boys $\frac{3\times4}{8\times4}$ = Girls $\frac{4\times3}{5\times3}$
Boys $\frac{12}{32} \rightarrow \frac{12}{15}$
32u – 15u = 17u
17u → 255
1u → 255 ÷ 17 = 15
Total → 32 + 15 = 47
47u → 15 x 47 ⇒ 705 pupils

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Q16 5 ribbons → 4 gaps
4 gaps → 8 m
1 gap → 8 ÷ 4 = 2
30 ribbons → 29 gaps
2 x 29 → 58
Total → 3 + 58 + 3 ⇒ 64 m

Q17a Adult → $\frac{1}{4}$ Child $\frac{3}{4}$
Difference → 24 – 22 = 2
230 ÷ 2 = 115
115 x 3 ⇒ 345 child tickets sold

Q17b 115 x 46 ⇒ $5290

Q18a 1 set → (5 x 22) + (25 x 6) = 260
No. of set → 1560 ÷ 260 = 6
No. of chocolate cookies → 6 x 5 ⇒ 30 boxes

Q18b No. of almond cookies → 6 x 6 ⇒ 36 boxes

END

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RED SWASTIKA SCHOOL

2016 SEMESTRAL ASSESSMENT 1

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 9 May 2016

BOOKLET A

15 Questions
20 Marks
Duration of Paper 1 (Booklets A & B): 50 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page 1 to Page 5
   (b) Questions 1 to 15
6. You are not allowed to use a calculator.

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

---

1 In 3 145 982, the digit 1 is in the _____ place.

(1) hundred thousands
(2) ten thousands
(3) thousands
(4) millions

2 What is the value of 36 + (12 – 6) ÷ 2 x 3?

(1) 7
(2) 37
(3) 45
(4) 63

3 How many hundreds are there in 876 000?

(1) 87
(2) 876
(3) 8 760
(4) 87 600

4 There were 2 089 545 spectators at the stadium. Express the number of spectators at the stadium to the nearest thousand.

(1) 2 090 000
(2) 2 089 000
(3) 2 089 500
(4) 2 089 550

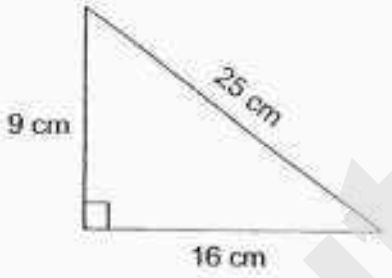
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5. In $\frac{8}{12} = \frac{[?]}{27}$, find the numerator in the brackets.

(1) 11
(2) 18
(3) 20
(4) 23

6 What is the area of the triangle?



(1) 50 cm^2
(2) 72 cm^2
(3) 144 cm^2
(4) 200 cm^2

7 In 2016, Ali is 24 years old and Ben is 16 years old. Find the ratio of Ali's age to Ben's age in 2020.

(1) 3 : 2
(2) 5 : 7
(3) 7 : 5
(4) 7 : 6

8 73 thousands + 20 hundreds = ☐ + 5

(1) 15 000
(2) 75 000
(3) 366 000
(4) 375 000

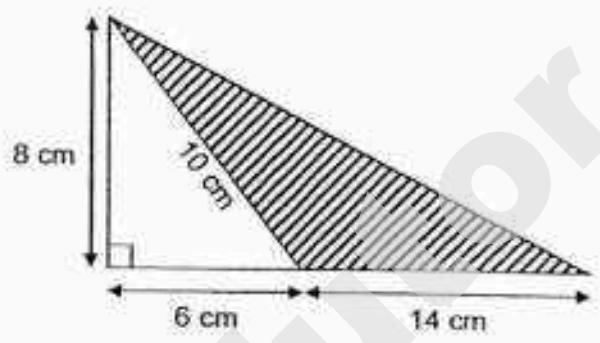
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9 Add the largest possible 4-digit even number to 824 261. What digit is in the ten thousands place?

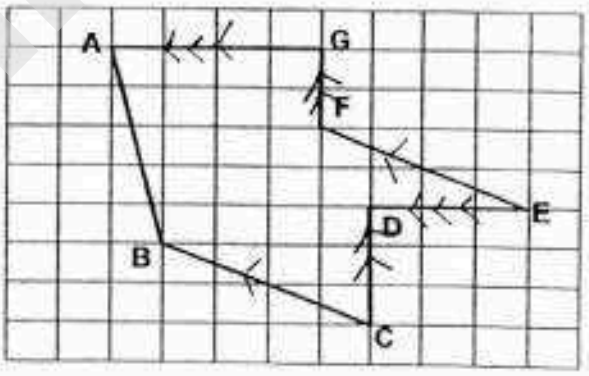
(1) 5
(2) 2
(3) 3
(4) 4

10 What is the area of the shaded triangle below?



(1) 56 cm^2
(2) 70 cm^2
(3) 80 cm^2
(4) 112 cm^2

11 How many pair(s) of parallel lines are there in the grid?

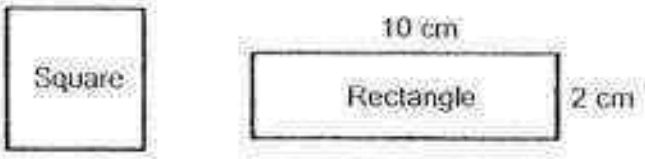


(1) 1
(2) 2
(3) 3
(4) 4

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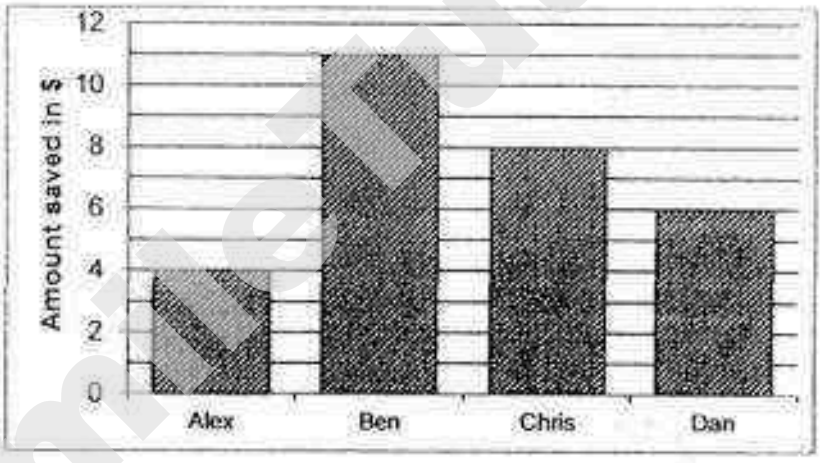
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12 In the figure below, the rectangle has the same perimeter as the square. Find the side of the square.



(1) 5 cm
(2) 6 cm
(3) 20 cm
(4) 24 cm

13 Four friends were given a sum of $25 each. The bar graph shows the amount of money saved by each of them in the week.



How much did they spend altogether in the week?

(1) $20
(2) $29
(3) $54
(4) $71

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14 The table below shows the sale items at a stationery shop.

Any 3 pens	$5
Any 2 files	$2

Kay bought 15 pens and 8 files with a $50 note.
What would be the change he received from the cashier?

(1) $33
(2) $27
(3) $17
(4) $11

15 Peter and Jane bought a gift for their parents. They shared the cost equally between them. Peter used $\frac{3}{8}$ of his savings while Jane used $\frac{1}{2}$ of her savings. What fraction of their total savings was used to buy the gift?

(1) $\frac{3}{7}$
(2) $\frac{7}{8}$
(3) $\frac{3}{14}$
(4) $\frac{7}{16}$

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RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 SEMESTRAL ASSESSMENT 1

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 9 May 2016

BOOKLET B

15 Questions
20 Marks

In this booklet, you should have the following:
(a) Page 6 to Page 10
(b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		20
TOTAL		40

Parent's Signature : _____

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Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16 What is the smallest 5-digit odd number that can be formed using all the digits 0, 1, 2, 3, 8?

Ans: _____

17 Find the product of 258 and 700.

Ans: _____

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

1 303 000 , 1 030 000 , 1 003 300

Ans: _____ , _____ , _____

19 What is the remainder when you divide 8 067 by 6?

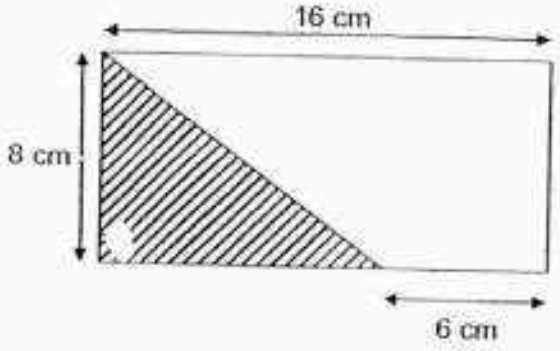
Ans: _____

4

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20 Find the shaded area in the figure below.



Ans: _____ cm^2

21 Find the value of $2\frac{1}{3} - \frac{3}{4}$ as a mixed number in its simplest form.

Ans: _____

22 Gina and Tom shared a sum of money in the ratio 3 : 8.
Gina received $20 less than Tom. How much did Tom get?

Ans: $ _____

3

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23 Sunflowers are sold in stalks of 3 for $8. What is the maximum number of stalks of sunflowers Susan can buy if she has $82?

Ans: _____

24 Find the missing number in the box below.

$3\,456 \times 23 = 3\,456 \times \square - 3\,456 \times 20$

Ans: _____

25 2 cupboards and 1 bookshelf cost $10 400. If the bookshelf costs $1 400 more than a cupboard, find the cost of a cupboard.

Ans: $_____

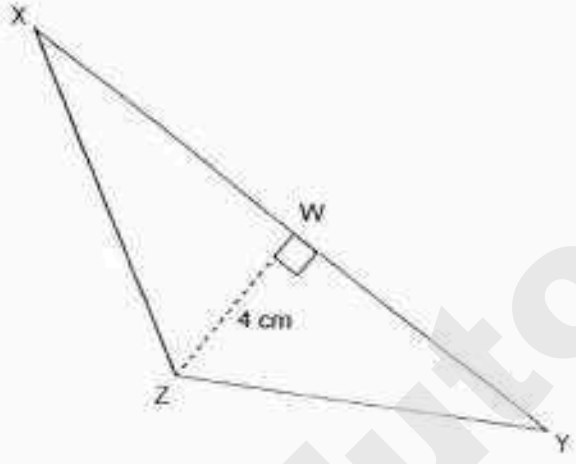
3

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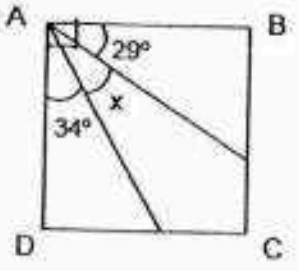
Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

26 In the triangle below, XZ = 7 cm, XY = 10 cm and WZ = 4 cm. Find the area of Triangle XYZ.

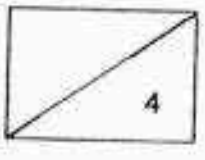


Ans: _____ cm^2

27 In the figure below, ABCD is a square. Find $\angle x$.



Ans: _____



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28 Find value of 124 ÷ 9. Give your answer correct to 2 decimal place.

Ans: _____

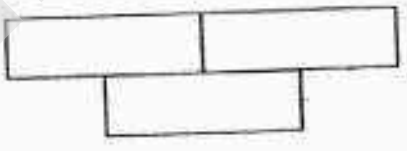
29 Ali listed 3 decimals below.

4.7 , 2.09 , 3.52

Find the greatest possible sum using two of the decimals.

Ans: _____

30 The figure is made up of similar rectangles. Each rectangle measures 5 cm by 2 cm. Find the perimeter of the figure.



Ans: _____ cm

END OF PAPER

6

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RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 SEMESTRAL ASSESSMENT 1

MATHEMATICS
PAPER 2

Name : _____ ( )

Class : Primary 5 / _____

Date : 9 May 2016

18 Questions
60 Marks
Duration of Paper 2: 1 hour 40 minutes

Note:
1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
   (a) Page 1 to Page 12
   (b) Questions 1 to 18
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		40
PAPER 2		~~60~~ 56
TOTAL		~~100~~ 96

Parent's Signature : _____

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

1 Lynn took 8 minutes to read each page of a book of 40 pages. How many hours would she take to complete reading the whole book?

Ans: _____ h

2 Poh has twice as many paper clips as Meng. Deb has thrice as many paper clips as Poh. Deb has 1 560 paper clips more than Meng. How many paper clips do the 3 children have altogether?

Ans: _____

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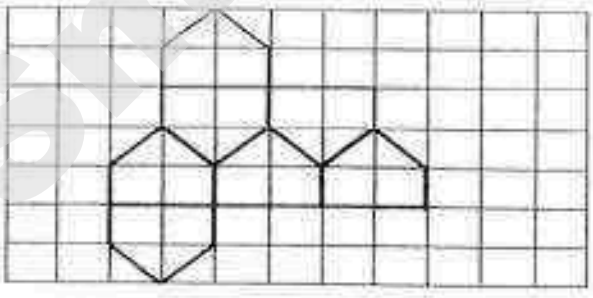
3 Lynn bought 200 cm of ribbon for wrapping gifts. She kept 50 cm and used the rest for wrapping 8 gifts equally. What was the length of ribbon used to wrap 1 gift?

Ans: _____ cm

4 Paul had 50-cents and 20-cents coins in the ratio of 4 : 5. The total value of the coins was $12. How many 50-cents coins did Paul have?

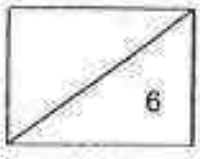
Ans: _____

5 In the grid below, the figure is tessellated by a unit shape.



(a) Shade the unit shape. [1]

(b) Extend the tessellation by adding not more than 5 unit shapes such that the new figure is symmetrical. [1]



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For Questions 6 to 18, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (50 marks)

6 The table shows the charges for booking a holiday chalet.

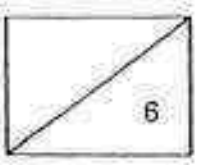
First three nights	$998
Every additional night	$275 per night

Mr Tan booked the holiday chalet for 5 nights for his family. How much did Mr Tan pay altogether?

Ans: _____ [3]

7 Miss Lim had just enough money to buy 90 notebooks of the same price. She bought only 30 notebooks for her students and had $120 left. What was the cost of one notebook?

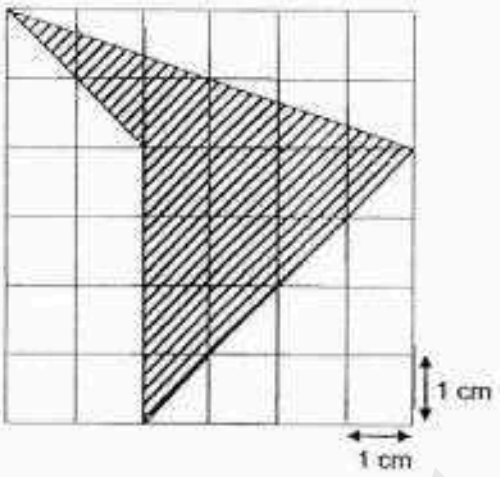
Ans: _____ [3]



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8 Find the area of the shaded figure given that each square measures 1 cm by 1 cm.



Ans: _____ [3]

---

9 A rod is painted blue and red in the ratio 3 : 7. The rod painted blue is further cut into two pieces in the ratio 1 : 9. The shorter blue piece measures 18 cm. Find the length of the rod painted red.

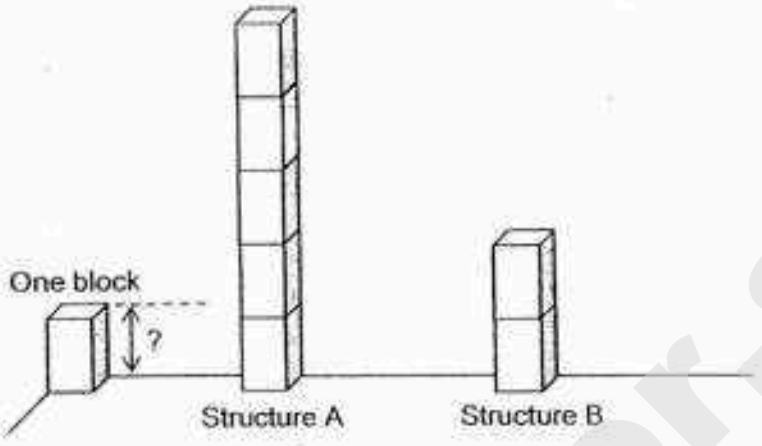
Ans: _____ [3]

6

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10 Structures A and B were built by using similar blocks on the same level ground as shown below. Their difference in height was $\frac{5}{6}$ m.



(a) Find the height of one block.

(b) Find the total height of Structures A and B.

Ans: (a) _____ [2]

(b) _____ [2]

4

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11 In January, Alice and Ryan had stamps in the ratio 5 : 2. In February, each of them bought the same number of stamps. Alice then had thrice as many stamps as Ryan.

(a) Find the ratio of the number of stamps Ryan had in January to the number of stamps he had in February.

(b) Find the ratio of the total number of stamps both had in January to the total number of stamps both had in February.

Ans: (a) _____ [2]

(b) _____ [2]

4

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12 Ali bought 1 table, 1 bench and 4 identical chairs for a sum of money. He spent $\frac{3}{5}$ of the sum on the table. He spent $\frac{1}{4}$ of the remainder on the bench and the rest on the 4 chairs.

(a) What fraction of the sum of money did he spend on the bench?

(b) What fraction of the sum of money did he spend on 1 chair?

Ans: (a) _____ [2]

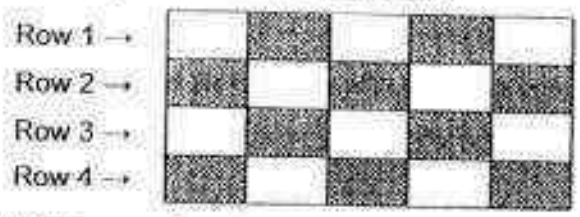
(b) _____ [3]

5

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13 The picture below shows only the first 4 rows of black and white cards placed on a banner by the students of Class 4A.



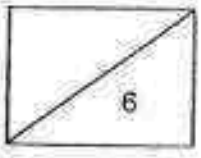
In total, 320 rows of cards are needed. The remaining cards will be arranged in the pattern as shown. How many black cards will the students need for the whole banner?

Ans: _____ [3]

---

14 The number of red marbles is the same as the number of green marbles in a bag. After removing $\frac{1}{4}$ of the marbles, there were 36 red marbles and 54 green marbles left in the bag. Then another 20 red marbles and 20 green marbles were removed and there were $\frac{5}{12}$ of the marbles left in the end. How many red marbles were removed altogether?

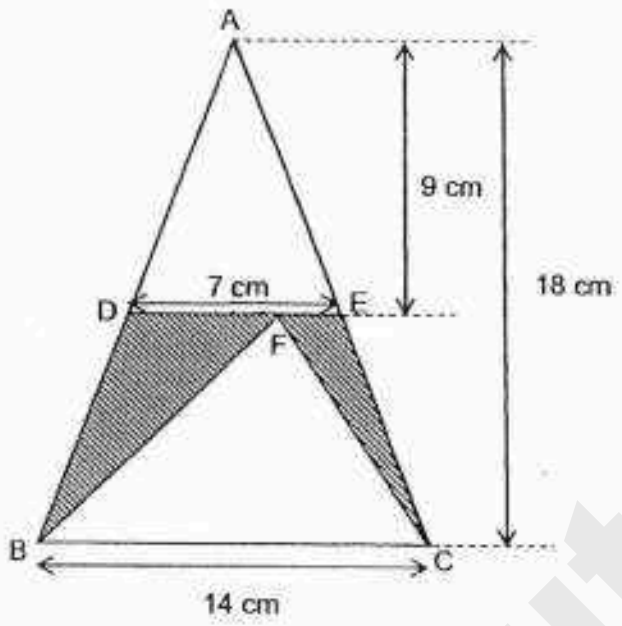
Ans: _____ [3]



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15 The figure is made up of triangles. Find the total area of the shaded parts.

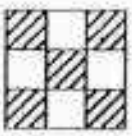


Ans: _____ [4]

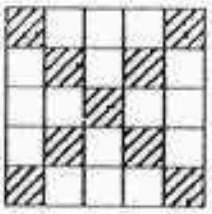
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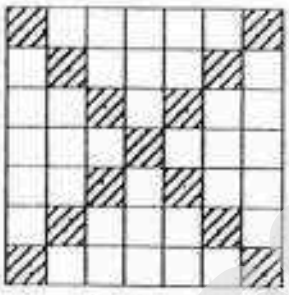
16 Study the pattern below carefully.



Pattern 1



Pattern 2



Pattern 3

(a) How many shaded squares are there in Pattern 4?

(b) How many squares are there altogether in Pattern 7?

(c) In which pattern will you find 37 shaded squares?

Ans: (a) _____ [1]

(b) _____ [2]

(c) _____ [2]

5

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17 Jay spent $\frac{3}{8}$ of his money on books and another $40 on transport. He spent $\frac{2}{5}$ of the remainder food and saved the rest which was $120. What was the difference in the amount spent on books and food?

Ans: _____ [5]

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18 At the beginning of the year, the number of members in Club A and Club B were in the ratio 5 : 7. At the end of Term One, some members left Club A to join Club B. The ratio of the number of members in Club A and Club B became 1 : 3. At the end of Term Two, each club received 54 new members. The ratio of the number of members in Club A and Club B became 2 : 3. How many members left Club A to join Club B at the end of Term One?

Ans: _____ [5]

END OF PAPER 2

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YEAR	:	2016
LEVEL	:	PRIMARY 5
SCHOOL	:	RED SWASTIKA
SUBJECT	:	MATHEMATICS
TERM	:	SA1

Paper 1

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

Q16 10 283

Q17 180 600

Q18 1 003 300, 1 030 000, 1 303 000

Q19 3

Q20 40 cm^2

Q21 $1\frac{7}{12}$

Q22
8 - 3 = 5
5u → 20
1u → 4
8u → 4 x 8 ⇒ $32

Q23
8 x 10 → 80
3 x 10 ⇒ 30 stalks

Q24 23 + 20 ⇒ 43

Q25
2C + 1B = $10 400
10 400 – 1400 = 9000
9000 ÷ 3 ⇒ $3000

Q26 20 cm^2

Q27
29 + 34 → 63
90 – 63 ⇒ 27

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Q28 13.78

Q29 8.22

Q30 (4 x 5 cm) + (4 x 2cm) ⇒ 28 cm

Paper 2

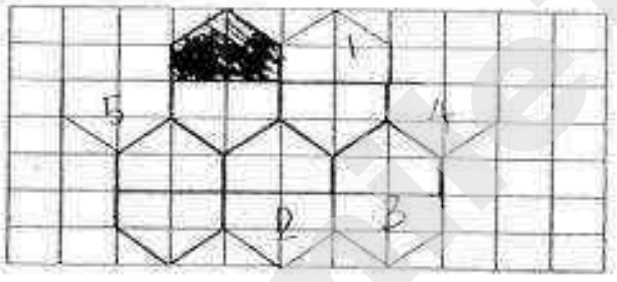
Q1 $40 \times 8 \rightarrow 320$ min $\Rightarrow 5\frac{1}{3}$ h

Q2 5u → 1560
1u → 1560 ÷ 5 = 312
9u → 312 x 9 ⇒ 2808 paper clips

Q3 (200 cm – 50 cm) ÷ 8 ⇒ 18.75 cm

Q4 (4 x \$0.50) + (5 x \$0.20) = \$3
\$12 ÷ \$3 = \$4
Number of 50-cents coins = 4 x 4 ⇒ 16

Q5a & b



Q6 4th and 5th night → 275 x 2 = 550
Mr Tan paid → 998 + 550 ⇒ \$1548

Q7 Notebook short → 90 – 30 = 60
Each notebook → \$120 ÷ 60 ⇒ \$2

Q8 Area of triangle A → $\frac{1}{2} \times 4 \times 2 = 4$ cm²
Area of triangle B → $\frac{1}{2} \times 4 \times 4 = 8$ cm²
Shaded area → 8 + 4 ⇒ 12 cm²

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Q9 Ratio → 1 : 9
1u → 18 cm
10u → 18 cm x 10 = 180 cm
Ratio → 3 : 7
3u → 180 cm
7u → $\frac{180}{3}$ cm x 7 ⇒ 420 cm

Q10a 1 block → $\frac{5}{6}$ m ÷ 3 ⇒ $\frac{5}{18}$ m

Q10b Total height → 5 + 2 = 7 blocks
$\frac{5}{18}$ m x 7 ⇒ $1\frac{17}{18}$ m

Q11a

	Alice	Ryan	Difference
January	5	2	3
	x 2		
	10	4	6

	Alice	Ryan	Difference
February	3	1	2
		x 3	
	9	3	6

Ryan ⇒ 4 : 3

Q11b

Total Jan	:	Total Feb
14	:	12

Alice & Ryan ⇒ 7 : 6

Q12a Remainder → $1 - \frac{3}{5} = \frac{2}{5}$
Bench → $\frac{1}{4} \times \frac{2}{5} \Rightarrow \frac{1}{10}$

Q12b 4 chairs → $\frac{3}{4} \times \frac{2}{5} = \frac{3}{10}$
1 chair $\frac{3}{10} \div 4 \Rightarrow \frac{3}{40}$

Q13 320 ÷ 4 → 80
80 x 10 ⇒ 800 black cards

Q14 $\frac{3}{4} - \frac{5}{12} = \frac{1}{3}$
$\frac{1}{3}$ → 20 red and 20 green
$\frac{3}{3}$ → 60 red and 60 green
Number of red marbles removed first → 60 – 36 = 24
Total no. of red marbles removed → 24 + 20 ⇒ 44

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Q15 Area of ABC $\rightarrow \frac{1}{2}$ x 14 cm x 18 cm = 126 cm^2
Area of ADE $\rightarrow \frac{1}{2}$ x 7 cm x 9 cm = 31.5 cm^2
Area of BCF $\rightarrow \frac{1}{2}$ x 14 cm x 9 cm = 63 cm^2
Shaded parts $\rightarrow$ 126 – 31.5 – 63 $\Rightarrow$ 31.5 cm^2

Q16a $13 + 4 \Rightarrow 17$

Q16b $7 \times 2 + 1 \Rightarrow 15$

Q16c $37 - 1 \rightarrow 36$
$36 \div 4 \Rightarrow 9$

Q17 $\frac{3}{5} \rightarrow \$120$
$\frac{2}{5} \rightarrow \frac{\$120}{3} \times 2 = \$80$ (food)
$\frac{5}{5} \rightarrow \frac{\$120}{3} \times 5 = \$200$ (remainder)
$\frac{5}{8} \rightarrow \$200 + \$40 = \$240$
$\frac{3}{8} - \frac{240}{5} \times 3 = \$144$ (bk)
Diff $\rightarrow \$144 - 80 \Rightarrow \$64$

Q18

	Club A	:	Club B	:	Total
B4	5	:	7	:	12
T1	3	:	9	:	6
T2	12	:	18	:	6

$12 - 3 = 9$
$9u \rightarrow 54$
$5 - 3 = 2$
$2u \rightarrow \frac{54}{9} \times 2 \Rightarrow$ 12 members

End

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5



PRIMARY 5 MID-YEAR EXAMINATION 2016

Name : _____( ) Date: 13 May 2016

Class : Primary 5 ( ) Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____ Marks: _____ / 100

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS
PAPER 1
(BOOKLET A)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **not** allowed to use a calculator.

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Paper 1 (Booklet A)

Multiple Choice Questions

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

---

1. In 96 382, the digit _____ is in the thousands place.

   (1) 6
   (2) 2
   (3) 8
   (4) 9

2. What is the sum of 4 thousands, 3 hundreds and 94 ones?

   (1) 4 363
   (2) 4 394
   (3) 40 394
   (4) 43 634

3. Which of the following has the same value as $\frac{9}{25}$?

   (1) 0.9
   (2) 0.36
   (3) 0.09
   (4) 0.036

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4. What is the value of 21 ÷ 30?

(1) 0.007
(2) 0.07
(3) 0.7
(4) 7

5. Express 0.12 as a fraction in the simplest form.

(1) $\frac{3}{20}$
(2) $\frac{3}{25}$
(3) $\frac{6}{50}$
(4) $\frac{1}{12}$

6. Round off the sum of 654 and 124 to the nearest hundred.

(1) 600
(2) 700
(3) 800
(4) 900

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7. Find the value of $78 - 24 \div 6 \times 4$.

(1) 78
(2) 54
(3) 36
(4) 62

8. A box can contain 9 toys. What is the least number of boxes that are needed to contain a total of 139 toys?

(1) 13
(2) 14
(3) 15
(4) 16

9. Some shapes are arranged in the following pattern:



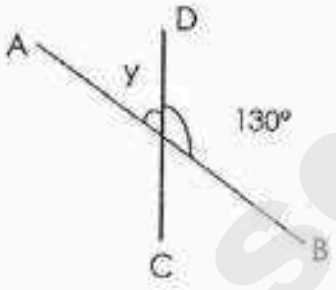
Which shape is in the 68th position?

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

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10. AB and CD are straight lines. Find ∠y.



(1) 50°
(2) 70°
(3) 140°
(4) 230°

11. Jane bought a 2-m long ribbon. $\frac{1}{5}$ of the ribbon was used to decorate a present and 40 cm of the ribbon was given away. What fraction of the ribbon was left?

(1) $\frac{1}{4}$
(2) $\frac{2}{5}$
(3) $\frac{3}{5}$
(4) $\frac{4}{5}$

12. How many whole numbers from 28 to 64 are divisible by 5?

(1) 7
(2) 6
(3) 12
(4) 18

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13.

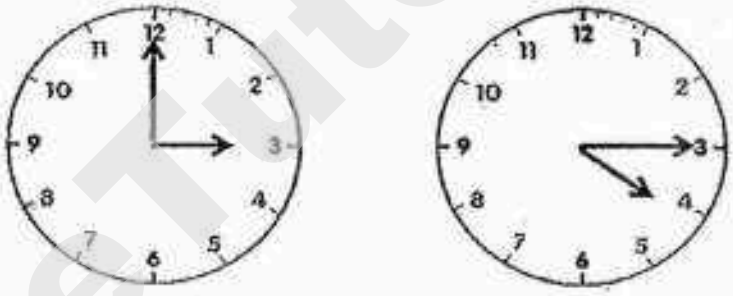
$$2 + 4 + 6 + \ldots + 16 + 18 + 20$$

When all the even numbers from 2 to 20 are added up, what is the digit in the ones place?

(1) 0
(2) 2
(3) 6
(4) 4

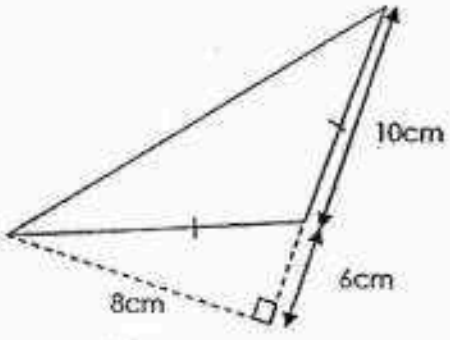
14. How many right angles has the minute hand of a clock moved from 3.00 p.m. to 4.15 p.m.?

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



15. What is the area of the triangle shown?

(1) 24 cm²
(2) 40 cm²
(3) 48 cm²
(4) 64 cm²



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TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

PRIMARY 5 MID-YEAR EXAMINATION 2016

Name : _____ ( ) Date: 13 May 2016

Class : Primary 5 ( ) Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET B)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.

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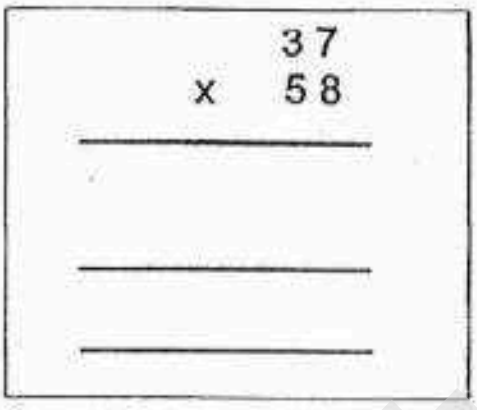
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Short Answer Questions

Questions 16 to 25 carry 1 mark each. Write your answers in the boxes provided. For questions which require units, give your answers in the units stated. [10 marks]

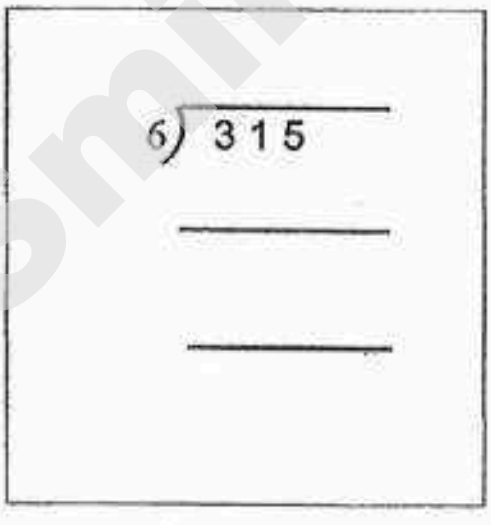
---

16. What is the value of 37 x 58 ?



Ans: _____

17. Find the value of 315 ÷ 6.



Ans: _____

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18. How many sixths are there in $3\frac{2}{3}$?

Ans: _____

19. Write six million, four hundred and two thousand in numeral.

Ans: _____

20. Express 30 minutes as a fraction of two hours. Give your answer in its simplest form.

Ans: _____

21. Find the product of $\frac{7}{9}$ and $\frac{3}{4}$. Leave your answer in its simplest form.

Ans: _____

22. What is the missing number in the box?

$16 \times 300 = 600 \times \boxed{?}$

Ans: _____

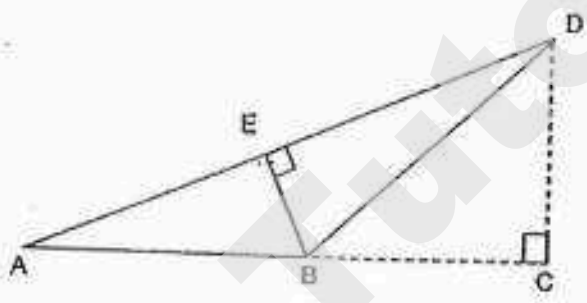
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23. The price of a car is a 6-digit whole number.
When it is rounded to the nearest $1000, the amount is $120 000.
What could be the highest possible price?

Ans: $ _____

24. In the figure below, not drawn to scale, if the base is AD, what is the height of the triangle?



Ans: _____

25. When Jill opened her book, the sum of the facing page numbers is 53.
What is the smaller page number?

Ans: _____

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Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the space provided. For questions which require units, give your answers in the units stated. [10 marks]

26. The table shows the favourite snacks of a group of children.

Snack	Number of Children
Fruit bar	24
Ice cream	?
Potato chips	30
Cookies	?

The number of children who like ice cream is 3 times that of those who like chips and cookies. How many children like ice cream?

Ans: _____

27. The parking charges at the college carpark are as follows:

6 a.m. to 6 p.m.	$1.00 per hour or part thereof
After 6 p.m.	$2.50 per entry

Mr Ong parked his car from 11.15 a.m. to 6.45 p.m. on Friday.
How much was his parking charges for that day?

Ans: _____

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28. At a buffet promotion, for every 2 paying adults, the third adult gets to dine for free. Mr Tan dined with 13 friends at the restaurant. How many of them dined for free?

Ans: _____

29. Farida has a mass of 42 kg. Laila's mass is $\frac{2}{3}$ of Farida's mass. Aihua is twice as heavy as Laila. What is Aihua's weight?

Ans: _____kg

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30. James left Town A by train and arrived at Town B at 7.15 a.m. The train ride took 9h 45 min. What time did he leave Town A?

Ans: _____

End of Paper

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TAO NAN SCHOOL 道南学校

SCHOLARLY & PERSEVERANCE

PRIMARY 5 MID-YEAR EXAMINATION 2016

Name : _____( ) Date: 13 May 2016

Class : Primary 5 ( ) Time: 10.00 a.m. – 11.40 a.m.

Parent's Signature : _____

MATHEMATICS

PAPER 2

60

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. You are allowed to use a calculator.

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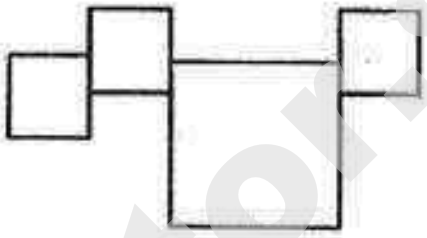
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Questions 1 to **5** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

[10 marks]

---

1. The figure, not drawn to scale, consists of a large square and 3 identical small squares. The side of the large square is twice the side of the small square. If the area of the small square is 4 cm^2, find the area of the figure.



Ans: _____ cm^2

2. Peter had $\frac{3}{4}$ of a cake. He gave half of it to his mother and the rest was shared equally among his 3 brothers. How much of the cake did each brother receive?

Ans: _____

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3. Ravi bought a laptop and 5 cameras.
A laptop cost thrice as much as a camera.
He paid $2 400 for the laptop and 5 cameras.
How much did a camera cost?

Ans: $_____

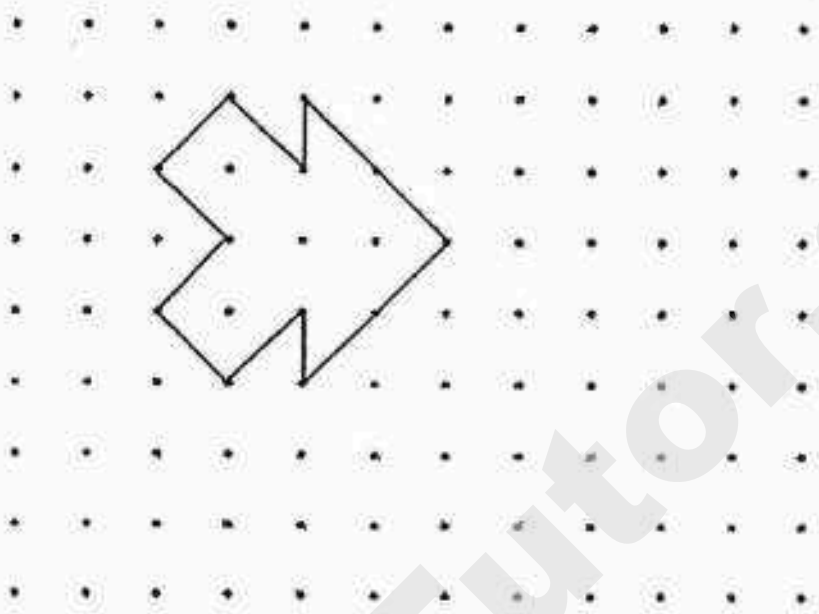
4. Aiden has a cardboard measuring 23 cm by 20 cm.
He wants to cut 2-cm squares from the cardboard.
What is the maximum number of 2-cm squares he can cut out?

Ans: _____

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5. Draw **3** more unit shapes to form a tessellation in the space provided.



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For questions **6** to **18**, 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. [50 marks]

---

6. Aisha bought $7\frac{4}{5}$ litres of orange juice. She sold $2\frac{2}{5}$ litres at a fair and divided the remaining orange juice equally into 9 jugs. How much orange juice was in 5 of these jugs?

Ans: _____ [3]

7. Bala gave some stickers to his friends. If each of his friends gets 6 stickers, he will have 5 extra stickers. If each of them gets 8 stickers, he will need 9 more stickers. Find the number of friends Bala has.

Ans: _____ [3]

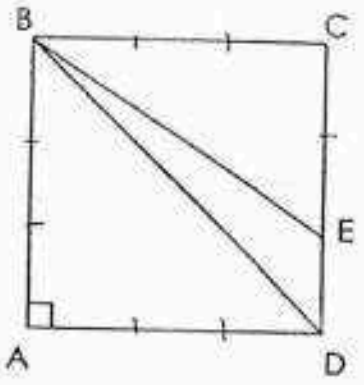
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8. Ting Ting spent $\frac{4}{7}$ of her salary on a bag while Mark spent $\frac{2}{5}$ of his salary on a coat. Each of them spent $500. What is the difference between Ting Ting's salary and Mark's salary?

Ans: _____ [3]

9. The area of Square ABCD is 144 cm^2. The length of CE is twice the length of ED, what is the area of triangle BDE?



Ans: _____ [3]

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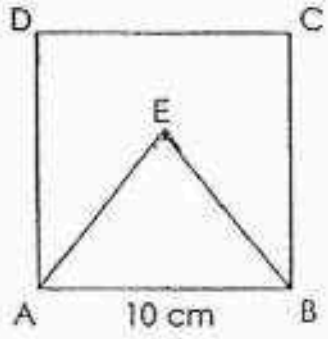
10. Mrs Tan is 3 times as old as Ben. Ben is 14 years old.

In how many years' time will she be twice as old as Ben?

Ans: _____ [3]

11. The height of Triangle ABE is $\frac{3}{5}$ of the side of Square ABCD.

Find the area of Triangle ABE.



Ans: _____ [3]

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12. 6 mangoes and 4 peaches cost $24.

Henry bought 2 mangoes and 1 peach for $7.

(a) How much did he pay for 2 mangoes?

(b) What is the cost of a peach?

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Ans: (a)_____[3]

(b)_____[1]

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13. The amount of money in Box A is 6 times the money in Box C.

The money in Box B is \$4 more than $\frac{1}{4}$ of the money in Box A.

There is \$10 less in Box C than in Box B.

What is the total amount in all the boxes?

Ans: _____ [4]

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14. Julie had 32 fewer cards than stamps in her collection.

$\frac{2}{3}$ of her cards was equal to $\frac{2}{7}$ of her stamps.

(a) How many stamps did she have?

(b) Julie gave her card collection equally to 6 friends.
How many cards did each friend get?

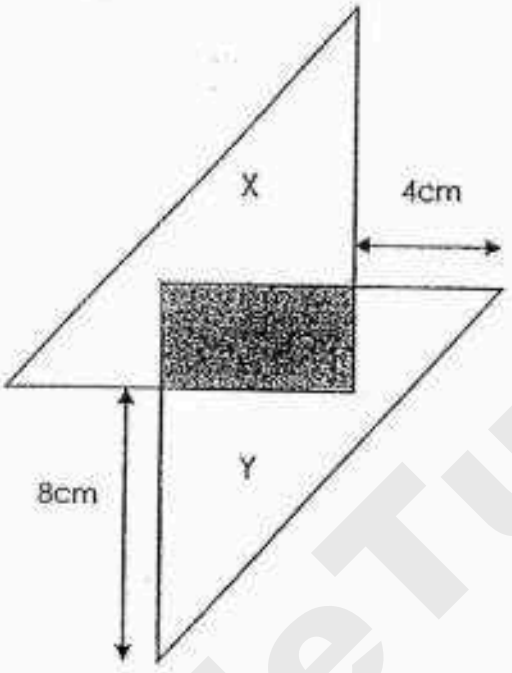
Ans: (a) _____ [2]

(b) _____ [2]

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15. The figure, not drawn to scale, is formed by 2 identical right- angled triangles, X and Y. It has an overlapping rectangular area measuring 5 cm by 3 cm. Find the area of the figure.



Ans: _____ [5]

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16. Contestants in a quiz were awarded certificates based on their scores.

Types of Certificate		
Distinction	**Merit**	**Participation**
3 points	2 points	1 point

A total of 312 points were awarded.

$\frac{1}{8}$ of the contestants received the Certificate of Distinction.

$\frac{4}{5}$ of the remaining contestants received the Merit Certificate and the rest received the Participation Certificate.

How many contestants received the Certificate of Distinction?

Ans: _____ [5]

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17. Study the pattern carefully. Then answer the questions below.



Figure 1



Figure 2



Figure 3 ...

Figure	Number of ●	Number of ▲
1	4	2
2	5	4
3	6	6
4	7	8
. . .		
8		

[1]

(a) How many dots and how many triangles are there in **Figure 8** ?

(b) Which **Figure** will have 63 dots?

(c) Which **Figure** will have 200 triangles?

Ans: (b) Figure_____ [2]

(c) Figure_____ [2]

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18. Mr Lim bought a total of 126 red and blue pens. $\frac{1}{3}$ of them were red. Some red pens were sold and the number of red pens remaining was $\frac{2}{9}$ of the remaining pens. How many pens were sold?

Ans: _____ [5]

End of Paper 2

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EXAM PAPER 2016 (P5)

SCHOOL : TAO NAN

SUBJECT : MATHEMATICS

TERM : SA1

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

16)2146 17)52R3 18)22 19)6 402 000 20) ¼

21)7/12 22)8 23)$120 499 24)BE 25)26

26)117 27)$9.50 28)4 adults 29)56kg 30)9.30 p.m.

Paper 2

1) $\sqrt{4} = 2$

2 x 2 = 4

4 x 4 = 16

4 x 3 = 12

16 + 12 = 28cm2

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2) ¾ x ½ = 3/8

¾ - 3/8 = 3/8

3/8 ÷ 3 = 1/8

3) 3 x 1 = 3

3 + 5 = 8

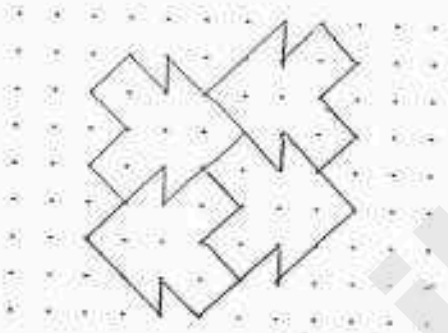
$2400 ÷ 8 = $300

4) 23 ÷ 2 = 11R1

20 ÷ 2 = 10

11 x 10 = 110

5)



6) $7\frac{4}{5} - 2\frac{2}{5} = 5\frac{2}{5}$

$5\frac{2}{5} \div 9 = 3/5$

3/5 x 5 = 3L

7) Excess + Shortage

5 + 9 = 14

8 – 6 = 2

14 ÷ 2 = 7

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8)$500 ÷ 4 = $125

$125 x 7 = $875

$125 x 10 = $1250

$1250 – $875 = $375

9)$\sqrt{144}$ = 12

12 ÷ 3 = 4

½ x 12 x 4 = 24cm2

10)14 x 3 = 42

42 – 14 = 28

28 x 2 = 56

56 – 42 = 14

11)10 x 3/5 = 6

½ x 10 x 6 = 30cm2

12)a)$7 x 3 = $21

$24 – $21 = $3

$7 – $3 = $4

b)$4 x 3 = $12

$24 – $12 = $12

$12 ÷ 4 = $3

13)$106

14)a)32 ÷ 4 = 8

8 x 7 = 56

b)8 x 3 = 24

24 ÷ 6 = 4

15)4 + 5 = 9

8 + 3 = 11

½ x 9 x 11 = 49.5

49.5 x 2 = 99

5 x 3 = 15

99 – 15 = 84cm2

16)20

17)a)8 x 1 + 3 = 11

8 x 2 = 16

b)63 – 3 = 60

60 ÷ 1 = 60

c)200 ÷ 2 = 100

18)126 ÷ 3 = 42

42 x 2 = 84

84 ÷ 7 = 12

12 x 2 = 24

42 – 24 = 18

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15)4 + 5 = 9

8 + 3 =11

½ x 9 = 49.5

49.5 x 2 = 99

5 x 3 = 15

99 – 15 = 84cm2

16)

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9

HENRY PARK PRIMARY SCHOOL
PRIMARY 5
TERM REVIEW 2

NAME: _____ ( ) CLASS: PRIMARY 5 ____

DATE: August 2016

Duration of paper: min Parent's Signature: _____

Section A (8 x 2m = 16m)

For each question from 1 to 8, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write the number in the brackets provided.

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

Questions **1** to **5** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the space provided. For questions which require units, give your answers in the units stated. All diagrams are **NOT** drawn to scale.

(10 marks)

1. After spending $\frac{1}{5}$ of his money on lunch, and $\frac{2}{3}$ of his money on transport, James had $29.20 left. How much money did he have at first?

Do not write in this space

Ans: $ _____

2. The usual price of a bed frame is $2250. This price does not include the 7% GST. What is the sale price of the bed frame, inclusive of GST?

Ans: $ _____

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

3. There were 72 pupils in the school hall at first. Then another 18 boys walked into the school hall. The ratio of the number of boys to the number of girls then became 4 : 5. How many boys were in the school hall in the end?

Do not write in this space

Ans: _____

4. Mr Lim placed potted plants at equal distance apart from each other to form the perimeter of a square garden. There was a potted plant in each corner. Given that there were 4 potted plants on each side of the garden, how many potted plants did Mr Lim place?

Ans: _____

(Go on to the next page)

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

5. The table below shows the survey results of the favourite fruits for some pupils. What is the percentage of pupils who chose the two most popular fruits?

Do not write in this space

Fruits	Number of Pupils
Apple	47
Banana	18
Durian	72
Guava	15
Mango	32
Watermelon	16

Ans: _____%

(Go on to the next page)

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

For questions **6** to **18**, 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.

(50marks)

---

6. Kuan Tze has some apples, bananas and oranges. The ratio of the number of apples to the total number of fruits is 1 : 4. There are 30 apples and half as many bananas as oranges. How many oranges does Kuan Tze have?

Do not write in this space

Ans: _____ [3]

(Go on to the next page)

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

7. In a box, 45% of the beads are red, 15% are blue and the rest are yellow.

(a) What fraction of the beads is yellow? Give your answer in the simplest form.

(b) There are 588 yellow beads in the box. How many beads are there in the box altogether?

Do not write in this space

Ans: (a) _____ [1]

(b) _____ [2]

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

8. A container filled with sand has a total mass of 5.75 kg. After $\frac{2}{3}$ of the sand in the container is removed, the mass of the container with the remaining sand is 2.55 kg. What is the mass of the empty container?

Do not write in this space

Ans: _____ [3]

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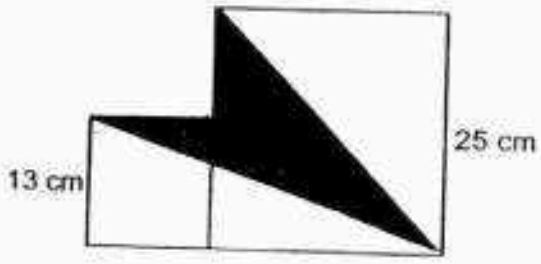
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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

9. The figure below is made up of 2 squares of different sizes. Find the area of the shaded part.

Do not write in this space



Ans: _____ [3]

(Go on to the next page)

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

10. A T-shirt cost $24. A pair of shorts cost 20% less than the T-shirt. Zachary bought 5 such T-shirts and 5 such shorts. How much did he pay for his purchases?

Do not writ in this spac

Ans: _____ [3]

(Go on to the next page)

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

11. During a donation drive, $9210 was collected by 80 students. Each girl donated $120 and each boy donated $105. How many girls are there?

Do not write in this space

Ans: _____ [4]

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

12. In a class, $\frac{3}{5}$ of the students are boys and $\frac{1}{9}$ of the boys wear spectacles. Given that $\frac{2}{3}$ of the girls wear spectacles, and there are 30 students who do not wear spectacles, how many students are there altogether?

Do not write in this space

Ans: _____ [4]

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P5 Math Term Review 2 Revision Practice

Name: _____

Class: _____

13. A rectangular tank measuring 25 cm by 12 cm by 10 cm is $\frac{2}{5}$-filled with water. All the water is then poured into a cubical tank with a side measuring 14 cm. How much more water is needed to fill the cubical tank completely? Give your answer in litres.

Do not write in this space

Ans: _____. [4]

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

14. In January, Peter and Sam saved $1860 altogether. In February, Peter's savings increased by $200 and Sam's savings decreased by $320. As a result, the savings of the two children became equal. What was Sam's savings in January?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

15. The table below shows the local postage rates:

Do not write in this space

Weight Step Up to (Max Weight: 2 kg)	Packages
20g	$0.50
50g	$0.70
100g	$1.10
Per additional step of 100g	$1.20

(a) What is the total cost of sending 2 separate packages, one weighing 40 g and another weighing 85 g?

(b) Given that Jerry paid $22.70 for sending a package, what was the **maximum** mass of the package he sent?

Ans: (a) _____ [1]

(b) _____ [3]

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

16. Tom went to a furniture shop to buy 5 shelves, 6 chairs and 2 tables. A shelf cost $26 more than a chair. A table cost $15 more than a shelf. Tom paid $394. What was the total cost of 1 shelf, 1 chair and 1 table?

Do not write in this space

Ans: _____ [5]

(Go on to the next page)

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

17. A burger cost three times as much as a sandwich at a cafe. Ryan spent $\frac{1}{4}$ of his money on some sandwiches and $\frac{1}{2}$ of the remaining sum on 2 burgers. He had $30 left.

(a) What was the cost of 1 sandwich?

(b) Mdm Lee bought 5 burgers and 6 sandwiches. How much did she spend altogether?

Do not write in this space

Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

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P5 Math Term Review 2 Revision Practice

Name: _____ Class: _____

18. For every book Tony sells, he gets $1.75 as commission. He gets an additional $1.50 for every 8 books sold. How many books did Tony sell if he earned $50 in commission?

Do not write in this space

Ans: _____ [5]

END OF PAPER

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YEAR	:	2016
LEVEL	:	PRIMARY 5
SCHOOL	:	HENRY PARK PRIMARY
SUBJECT	:	MATHEMATICS
TERM	:	CA2

Q1
2u = 29.20
1u = 14.60
14.60 x 15 ⇒ $219

Q2
$2250 \times \frac{7}{100} = 157.50$
2250 + 157.50 ⇒ $2407.50

Q3
9u = 72
1u = 8
8 x 5 ⇒ 40

Q4
12 potted plants

Q5
Total number of apples and durians: 47 + 72 = 119
Total number of fruits: 47 + 18 + 72 + 15 + 32 + 16 → 200
$\frac{119}{200} \times 100\ \% \Rightarrow 59.5\ \%$

Q6
3 x 30 = 90
1u = 30
2u ⇒ 60 oranges

Q7a
45 + 15 = 60
100 – 60 = 40
$\frac{40}{100} \div 20 \Rightarrow \frac{2}{5}$

Q7b
40 % = 588
1 % = 14.70
14.70 x 15 = 220.50
588 + 220.50 + 661.50 ⇒ 1470 beads

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Q8

5.75 – 2.55 = 3.20
2u = 3.20
1u = 1.60
1.60 x 3 = 4.80
5.75 – 4.80 ⇒ 0.95 kg

Q9

25 x 25 = 625
13 x 13 = 169
625 + 169 = 794
A = $\frac{1}{2}$ x 38 x 13 = 247
B = $\frac{1}{2}$ x 25 x 25 = 312.5
794 – 247 – 312.5 ⇒ 234.5 cm^2

Q10

24 x $\frac{20}{100}$ = 4.80
24 – 4.80 = 19.20
24 x 5 = 120
19.20 x 5 = 96
120 + 96 ⇒ $216

Q11

54 girls

Q12

10u = 30
1u = 3
3 x 15 ⇒ 45 students

Q13

25 x 12 x 10 = 3000
2u = 3000
1u = 1500
1500 x 5 = 7500
25 x 12 x 14 = 4200
7500 – 4200 = 3300 ⇒ 3.3 ℓ

Q14

320 + 200 = 520
1860 – 520 = 1340
2u = 1340
1u = 670
670 + 520 ⇒ $1190

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Q15a $1.10 + $0.70 ⇒ $1.80

Q15b $22.70 - $1.10 = $21.60
$21.60 ÷ $1.20 = $18
18 x 100 g = 1800 g
1800 + 100 ⇒ 1900 g

Q16 7 x 26 = 182
15 x 2 = 30
182 + 30 = 212
394 – 212 = 182
13u = 182
1u = 14
14 + 26 = 40
40 + 15 = 55
55 + 40 + 14 ⇒ $109

Q17a 2B = 30
1B = 15
15 ÷ 3 ⇒ $5

Q17b 5B = 15 x 5 → 75
6SW = 5 x 6 → 30
75 + 30 ⇒ $105

Q18 Commission for 8 books: $1.75 x 8 = $14
Total commission for 8 books: $14 + $1.50 = $15.50
$50 ÷ $15.50 = 3.22 (sold 3 sets of 8 books)
3 sets of 8 → 3 x 8 = 24 books
24 books → 3 x $15.50 = $46.50
($50 - $46.50) ÷ 1.75 + 24 ⇒ 26 books

End

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Rosyth School
Second Continual Assessment 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 23rd August 2016 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet A)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Shade your answers in the Optical Answer Sheet (OAS) provided.
4. You are **not** allowed to use a calculator
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

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

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

---

1. Which of the following is three hundred and eight thousand and seventy-two?

   (1) 3 872
   (2) 30 872
   (3) 38 072
   (4) 308 072

2. Round off 8.539 to 2 decimal places.

   (1) 8.50
   (2) 8.53
   (3) 8.54
   (4) 8.60

3. 40 ÷ 1000 = _____

   (1) 0.04
   (2) 0.004
   (3) 25
   (4) 250

4. What is the value of $1\frac{1}{4} \times \frac{1}{6}$?

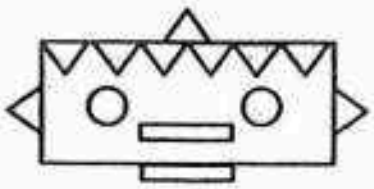
   (1) $\frac{5}{6}$
   (2) $\frac{5}{24}$
   (3) $1\frac{1}{24}$
   (4) $7\frac{1}{2}$

(Go on to the next page)

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5. The figure below is made up of different shapes.
What is the ratio of the number of triangles to the number of circles?



(1) 9 : 2

(2) 2 : 9

(3) 9 : 14

(4) 14 : 9

6. Which of the following does not have the same value as 25%?

(1) 0.25

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

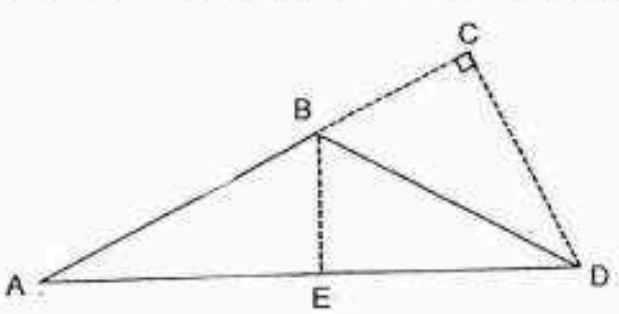
(3) $\frac{25}{100}$

(4) 25

7. What is 20% of $2?

(1) $0.04
(2) $0.40
(3) $4.00
(4) $40.00

8. The base of triangle ABD is AB. What is the height of triangle ABD?



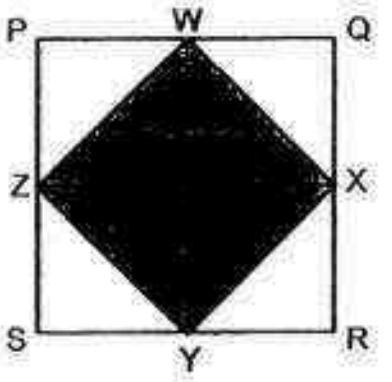
(1) AD
(2) BD
(3) BE
(4) CD

(Go on to the next page)

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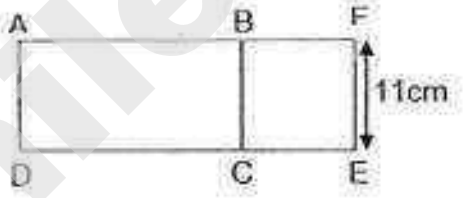
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9. PQRS is a square of side 16 cm. W, X, Y and Z are the mid-points of each side of the square PQRS. Find the area of WXYZ.



(1) 32 cm^2
(2) 64 cm^2
(3) 128 cm^2
(4) 256 cm^2

10. The figure below is made up of a rectangle, ABCD, and a square, BCEF. The length of the rectangle ABCD is twice the breadth of the square. Find the perimeter of the figure.



(1) 66 cm
(2) 77 cm
(3) 88 cm
(4) 110 cm

11. Salim bought 16 packets of sweets. There were 9 sweets in each packet. He shared them equally with Don and Calvin. How many sweets did each boy get?

(1) 48
(2) 72
(3) 3
(4) 144

(Go on to the next page)

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12. Mrs Nilla bought 9 kg of grapes. She gave $\frac{3}{4}$ of the grapes to Jia En and $\frac{1}{4}$ kg of it to her neighbour. How many kilogrammes of grapes did she give away?

(1) 7 kg
(2) 2 kg
(3) 3 kg
(4) 8 kg

13. After spending 30% of his money, Wenli still had $378 left. How much did he have at first?

(1) $162
(2) $540
(3) $882
(4) $1 134

14. There was an equal number of boys and girls in the hall. When 10% of the girls left the hall, there were 5 more boys than girls remaining in the hall. How many children remained in the hall?

(1) 45
(2) 50
(3) 95
(4) 100

15. Ai Ling cut a piece of ribbon into three pieces in the ratio of 2 : 3 : 7. The longest piece was then cut into two pieces in the ratio of 1 : 3. Among the four pieces, the length of the shortest piece was 14 cm. What was the length of the ribbon before it was first cut?

(1) 24 cm
(2) 56 cm
(3) 84 cm
(4) 96 cm

(Go on to the next page)

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Rosyth School
Second Continual Assessment 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 23rd August 2016 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet B)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are **not** allowed to use a calculator.
4. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	20	

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

16. Round off 42 971 to the nearest hundred.

Ans: _____

17. List all the common multiples of 6 and 8 that are smaller than 50.

Ans: _____

18. Find the value of $30 \div (11 - 6) \times 2 + 3$.

Ans: _____

19. Express 6% as a decimal.

Ans: _____

(Go on to the next page)

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20. Express 16 cm as a percentage of 200 cm.

Do not write in this space

Ans: _____ %

21. The ratio of the number of boys to the number of girls is 9 : 18. Express the number of boys as a fraction of the total number of pupils in the class. Give your answer in the simplest form.

Ans: _____

22. There are 36 cookies in a bottle. The ratio of the number of chocolate cookies to the number of raisin cookies in the bottle is 5 : 4. How many chocolate cookies are there in the bottle?

Ans: _____

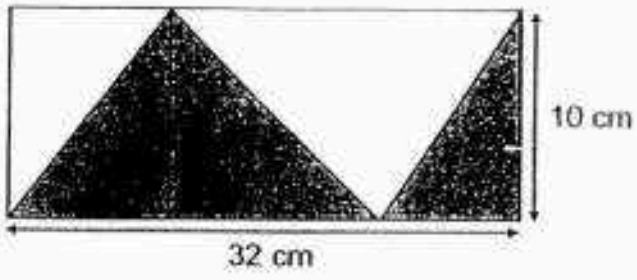
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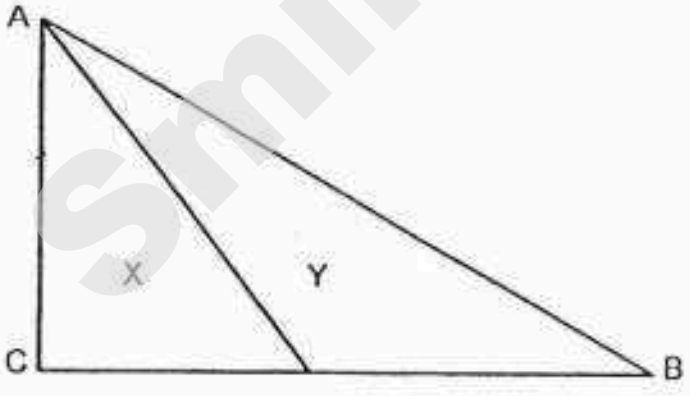
23. The figure below shows a rectangle and some triangles.
Find the shaded area.

Do not write in this space



Ans: _____ cm^2

24. In the figure below, the area of triangle X is $\frac{3}{5}$ of the area of triangle Y.
Given that the area of triangle ABC is 72 cm^2, find the area of triangle Y.



Ans: _____ cm^2

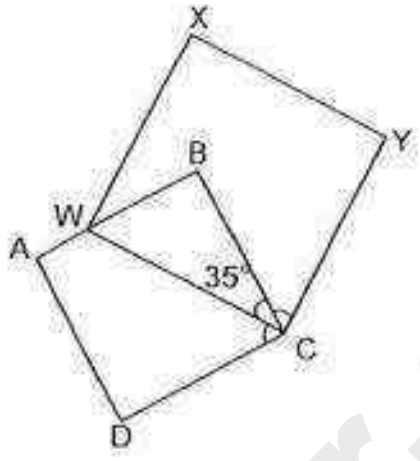
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25. The figure below is made up of 2 squares ABCD and CWXY. ∠WCB is 35°. Find the sum of ∠WCD and ∠BCY.

Do not write in this space



Ans: _____ °

Questions **26** to **30** carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

26. Amanda has a 24 m ribbon. She cuts it into shorter pieces of equal length, each measuring $\frac{3}{8}$ m. How many such pieces does she cut?

Ans: _____

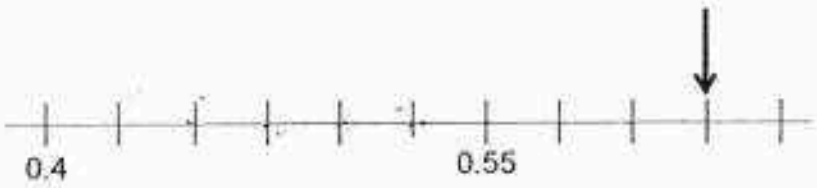
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27. In the number line below, what is the number indicated by the arrow?

Do not write in this space



Ans: _____

28. Mrs Tan had 130 red and black pens. After she gave away $\frac{1}{2}$ of the red and $\frac{1}{5}$ of the black pens she was left with the same number of red and black pens. How many red pens did she have at first?

Ans: _____

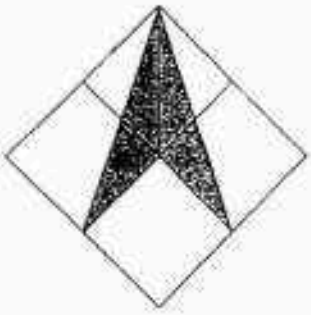
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29. The figure is made up of 4 identical squares. What percentage of the figure is shaded?

Do not write in this space



Ans: _____ %

30. Ben, Huili and Sherman sold a total of 119 funfair coupons.
Ben and Huili together sold 81 coupons.
Ben and Sherman together sold 65 coupons.
How many coupons did Ben sell?

Ans : _____

End of paper. Have you checked your work?

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Rosyth School
Second Continual Assessment 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 23rd August 2016 Parent's Signature: _____

Time: 1h 40min

PAPER 2

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. **Show your workings** clearly as marks are awarded for correct working.
4. Write your answers in this booklet.
5. You are allowed to use a calculator.
6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 18	50	

Section	Maximum Mark	Marks Obtained
Paper 1	40	
Paper 2	60	
Total	100	

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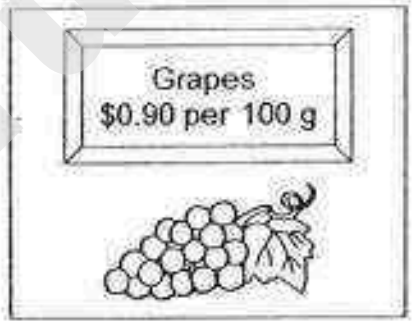
Questions **1** to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.
All diagrams in this paper are not drawn to scale unless stated otherwise.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

Do not write in this space

1. The mass of Tom, Dick and Harry are 36 kg, 18 kg and 24 kg respectively. What is the ratio of Harry's mass to their total mass? Leave your answer in the simplest form.

Ans: _____

2. Raju bought 2.5 kg of grapes. How much did he pay for them?



Ans: $ _____

3. At the beginning of the year, Cai Hong had $1 500 in her bank account. The bank paid 2% interest per year. If she did not withdraw any money during the year, how much money would Cai Hong have in that account after one year?

Ans: $ _____

(Go on to the next page)

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4. Zila uses the recipe below to make Macaroni and Cheese. She has 1 200 g of macaroni, 460 g of cheese and 275 g of butter. What is the maximum number of people that she can prepare the Macaroni and Cheese for?

Do not write in this space

Macaroni and Cheese recipe
(Serves 4 people)
300 g macaroni
150 g cheese
50 g butter



Ans: _____

5. Sally, Faridah and Ah Lian shared a pack of stickers in the ratio 12 : 11 : 9. The total number of stickers Sally and Faridah had was 98 stickers more than Ah Lian's share. Find the total number of stickers shared by the 3 girls.

Ans: _____

(Go on to the next page)

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For Questions **6** to **18**, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. For questions which require units, give your answers in the units stated.
All diagrams in this paper are not drawn to scale unless stated otherwise.
(50 marks)

Do not write in this space

6. Mrs Ravi baked 350 tarts. $\frac{3}{5}$ of the tarts were lemon tarts and the rest were apple tarts. She sold an equal number of lemon and apple tarts and had 6 times as many lemon tarts as apple tarts left. How many apple tarts did she sell?

Ans: _____ [3]

7. Mr Yusoff had some pencils, erasers and rulers. The ratio of the number of pencils to the number of erasers was 5 : 1. After giving away 16 erasers, the ratio of the number of rulers to the number of erasers was 4 : 1. Mr Yusoff bought another 184 rulers. As a result, there were an equal number of pencils and rulers. How many erasers did he have at first?

Ans: _____ [3]

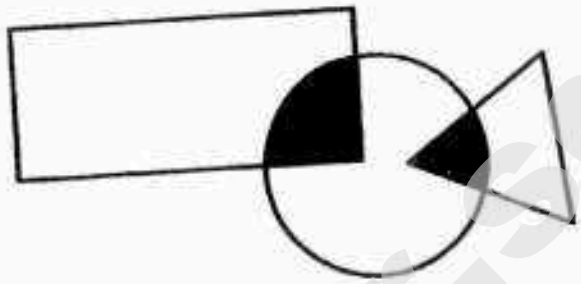
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8. The ratio of the area of the rectangle to the area of the circle to the area of the triangle is 21 : 17 : 4. If $\frac{1}{4}$ of the triangle and $\frac{3}{7}$ of the rectangle are shaded, what is the ratio of the total shaded area to the total of the unshaded area? Leave your answer in the simplest form.

Do not write in this space



Ans: _____ [3]

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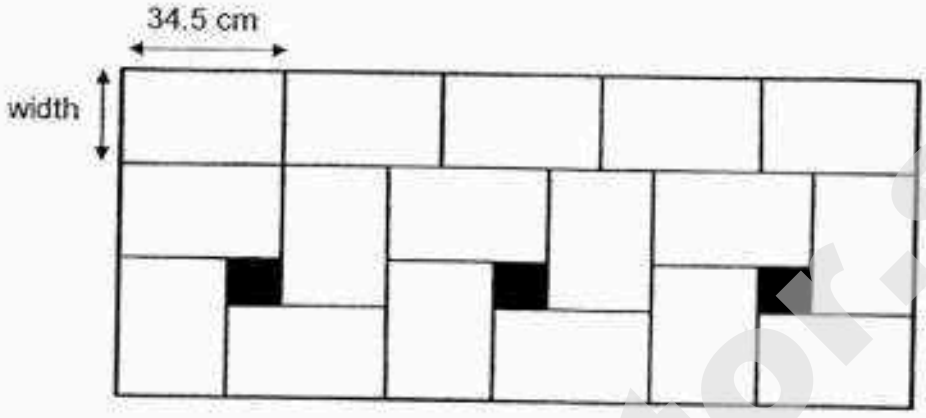
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9. Mr Tan used some identical rectangular tiles and black square tiles to decorate part of a wall as shown below. The length of each tile is 34.5 cm.

(a) Find the width of each tile.

(b) Find the total area of the shaded regions.

Do not write in this space



Ans: (a) _____ [1]

(b) _____ [2]

(Go on to the next page)

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10. The torn receipt below shows the items that Rasyid ordered at a food court. He gave the cashier a $20 note. How much change should he receive? Give your answer to the nearest 10¢.

Do not write in this space

Delight Food Court
Serangoon North Ave 1

Table 02

Items:		$
Chicken noodle		4.50
Fried rice		3.80
Iced Tea	2 × 1.20	2.40
	Sub-total:	
	GST 7%	
	Total	
	Cash	
	Change	

Ans: _____ [3]

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11. Leslie arranged some rows of chairs. At first, each row had 10 chairs. When he added 4 chairs and the chairs were rearranged, there were 8 chairs in each row and 2 more rows than before. How many more chairs must he add to have a total of 12 rows of 8 chairs?

Do not write in this space

Ans: _____ [3]

12. Mei Hua folded a rectangular piece of paper, coloured on one side, to form Figure X as shown below. She cut out the folded part A and B into the shape as shown in Figure Y. Find the area of Figure Y.

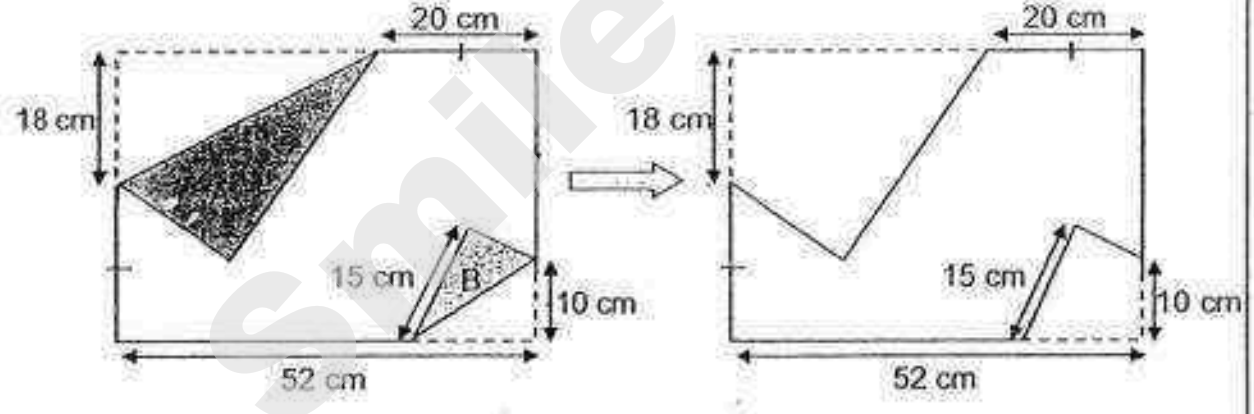


Figure X

Figure Y

Ans: _____ [4]

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13. The figures below are formed using sticks and dots.

Do not write in this space

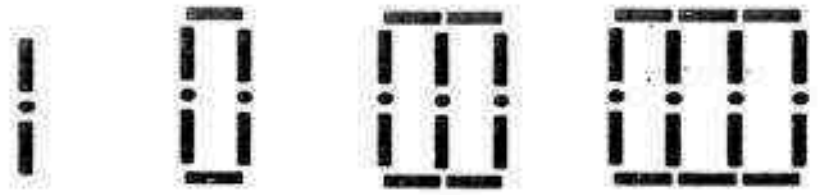


Figure 1 Figure 2 Figure 3 Figure 4

(a) The table below shows the number of sticks and dots used for each figure. Complete the table for figure 5.

Figure Number	Number of sticks used	Number of dots used	Total Number of sticks and dots
1	2	1	3
2	6	2	8
3	10	3	13
4	14	4	18
5	(ai) ?	5	(aii) ?

(b) Which figure would need a total of 103 sticks and dots?

Ans: (ai) _____ [1]

(aii) _____ [1]

(b) _____ [2]

(Go on to the next page)

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Do not write in this space

14.

Toy Bonanza!!!

Special Discount

1st item at 10% discount

2nd item at 25% discount

****Price of the 2nd item should be the same as or lower than the price of the 1st item.**

(a) Sofia bought a doll and a toy plane during the Toy Bonanza. The usual price of the doll and the toy plane was $12 and $18 respectively. How much did she pay for the 2 items?

(b) Nick bought 2 identical toy guns. The total discount for the 2 toy guns was $10.50. What was the price of each gun before discount?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

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15. A bakery charged $8 for a box of 3 cupcakes and $4.50 for a box of 6 donuts. In December, the bakery collected $6 437 from the sale of cupcakes and donuts. For every 12 boxes sold, 5 boxes were donuts and the rest were cupcakes.

(a) How many boxes of donuts were sold in December?

(b) How many more donuts than cupcakes were sold in December?

Do not write in this space

Ans: (a) _____ [3]

(b) _____ [2]

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16. Caitlyn spent some of her money on a dress, a pair of shoes and some neckties. She spent $\frac{1}{5}$ of her money and an additional \$119 on a dress. Next, she spent $\frac{2}{7}$ of the remaining money and an additional \$29 on a pair of shoes. Finally, she spent $\frac{2}{3}$ of what she had left on some neckties and had \$12 left. How much did Caitlyn have at first?

Do not write in this space

Ans: _____ [5]

(Go on to the next page)

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Do not write in this space

17. Tickets for a coach ride to Kuala Lumpur for 4 adults and 5 children cost $185. The cost for 3 adults and 6 children was $177. Mr Tan went to Kuala Lumpur with his wife, parents and children and paid $151 for the coach tickets. How many children tickets did he buy?

Ans: _____ [5]

(Go on to the next page)

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18. At a school carnival, each boy received 3 packets of sweets and each girl received 4 packets of sweets. Each accompanying adult received 2 packets of sweets. $\frac{2}{7}$ of the people at the school carnival were adults. The ratio of the number of boys to the number of girls at the carnival was 5 : 8. Given that only 6 601 packets of sweets were given away, how many people were there at the carnival?

Do not write in this space

Ans: _____ [5]

End of Paper

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YEAR : 2016
LEVEL : PRIMARY 5
SCHOOL : ROSYTH
SUBJECT : MATHEMATICS
TERM : CA2

Paper 1

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

Q16 43 000

Q17 24, 48

Q18 15

Q19 0.06

Q20 8 %

Q21 $\frac{1}{3}$

Q22 20

Q23 160 cm^2

Q24 45 cm^2

Q25 110°

Q26 $24 \div \frac{3}{8} \Rightarrow$ 64 pieces

Q27 0.625

Q28 $130 \div (8 + 5) \rightarrow 10$
$10 \times 8 \Rightarrow$ 80 red pens

Q29 $100 \div 4 \Rightarrow$ 25 %

Q30 Sherman $\rightarrow 119 - 81 = 38$
Ben $\rightarrow 65 - 38 \Rightarrow$ 27 coupons

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Paper 2

Q1 4 : 13

Q2
$2.5 \times 1000 = 2500$
$2500 \div 100 = 25$
$25 \times 0.90 \Rightarrow \$22.50$

Q3
$1\% \rightarrow 1500 \div 100 = 15$
$102\% \rightarrow 15 \times 102 \Rightarrow \$1530$

Q4
$460 \div 150 = 3.06 \approx 3$
$3 \times 4 \Rightarrow 12$ people

Q5 $32 \times 7 \Rightarrow 224$ stickers

Q6
$1u \rightarrow 350 \div 5 = 70$
$A \rightarrow 5 - 3 = 2$
$70 \times 2 = 140$
$L \rightarrow 3 \times 70 = 210$
Sold for $A \rightarrow 10 - 1 = 9$
$140 \div 10 = 14$
$14 \times 9 \Rightarrow 126$ apple tarts

Q7 $184 - (16 \times 4) \Rightarrow 120$ erasers

Q8 10 : 22

Q9a 23 cm

Q9b
L of sq $\rightarrow 34.5 - 23 = 11.5$
Area of sq $\rightarrow 11.5 \times 11.5 = 132.25$
$132.50 \times 3 \Rightarrow 396.75\ cm^2$

Q10
Sub total $\rightarrow 4.5 + 3.8 + 2.4 = 10.70$
GST $\rightarrow \frac{7}{100} \times 10.7 = 0.749$
Total $\rightarrow 10.7 + 0.749 = 11.449$
$20 - 11.449 = 8.551 \approx \$8.60$

Q11
No. of chairs $\rightarrow 6 \times 10 + 4 = 64$
No. of chairs used $\rightarrow 12 \times 8 = 96$
$96 - 64 \Rightarrow 32$ chairs

Q12
$\frac{1}{2} \times 18 \times 32 \times 2 = 576$
$\frac{1}{2} \times 10 \times 15 \times 2 = 150$
$38 \times 52 - 576 - 150 \Rightarrow 1250\ cm^2$

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Q13ai 18

Q13aii 23

Q13b 21

Q14a $25.50

Q14b $30

Q15a $6437 \div [(6 \times 8)] + (5 \times 4.5)] \approx 91$
$91 \times 4.5 \Rightarrow$ 410 boxes

Q15b Donuts $\rightarrow 410 \times 6 = 2460$
Cupcakes $\rightarrow 82 \times 7 \times 3 = 1722$
Difference $\rightarrow 2460 - 1722 \Rightarrow$ 738 donuts

Q16 $3p \rightarrow 12 \times 3 = 36$
$5p \rightarrow 36 + 29 = 65$
$1p \rightarrow 65 \div 5 = 13$
$7p \rightarrow 13 \times 7 = 91$
$4u \rightarrow 91 + 119 = 210$
$1u \rightarrow 210 \div 4 = 52.5$
$5u \rightarrow 5 \times 52.5 \Rightarrow$ $262.50

Q17 $12a + 15c = 555$
$12a + 24c = 708$
$9c \rightarrow 708 - 555 = 153$
$1c \rightarrow 153 \div 9 = 17$
$5c \rightarrow 17 \times 5 = 85$
$4a \rightarrow 185 - 85 = 100$
$151 - 100 = 51$
$1c \rightarrow 51 \div 17 \Rightarrow$ 3 children tickets

Q18 $160 + 52 + 75 = 287$
$6601 \div 287 = 23$
$26 + 25 + 40 = 91$
$23 \times 91 \Rightarrow$ 2093 people

End

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22

Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2016)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet A

Tuesday **1 November 2016** **50 min**

Name: _____ ( )

Class: 5. ( )

INSTRUCTIONS TO PUPILS

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

This question paper consists of 7 printed pages (inclusive of cover page).

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

1. 463 771 , 463 871 , 463 971 , _____.
What is the missing number in the number pattern?

1) 463 071
2) 464 071
3) 464 171
4) 464 971

2. How many tenths are there in 5.38?

1) 3
2) 38
3) 53.8
4) 5.38

3. Which of the following is nearest to 3?

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

4. Express 2.03 ℓ in millilitres.

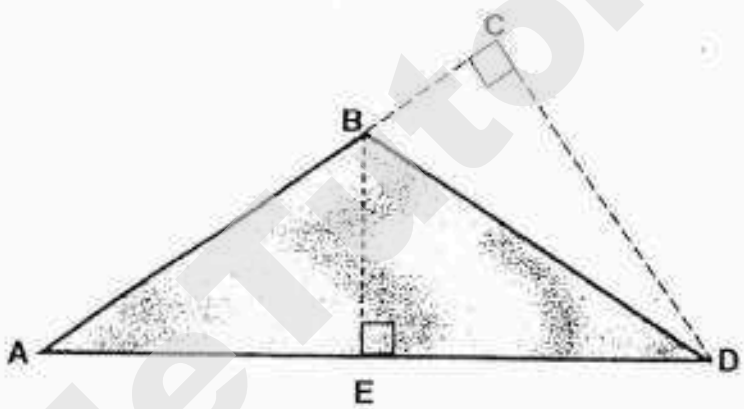
1) 2.03 ml
2) 203 ml
3) 2030 ml
4) 20300 ml

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5. What is the difference between 6.25 kg and 8 kg 50 g?

1) 1.8 kg
2) 2.25 kg
3) 5400 g
4) 7400 g

6. In the figure below, if CD is the height of Triangle ADB, what is the base of the triangle?

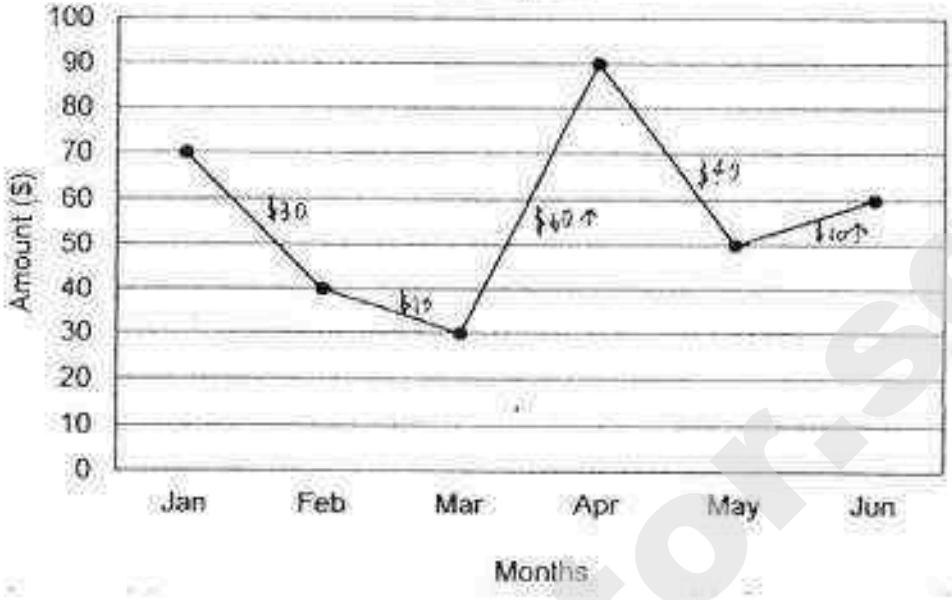


1) AB
2) AC
3) AD
4) BD

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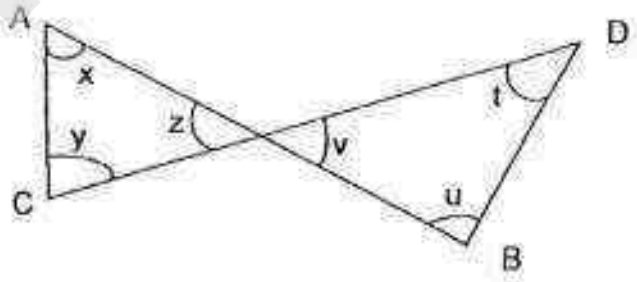
7. The line graph shows the amount of utilities bills paid by Mr Kang's household in the first six months of the year.



The greatest decrease in the utilities bills is _____.

1) from Jan to Feb
2) from Feb to Mar
3) from Mar to Apr
4) from Apr to May

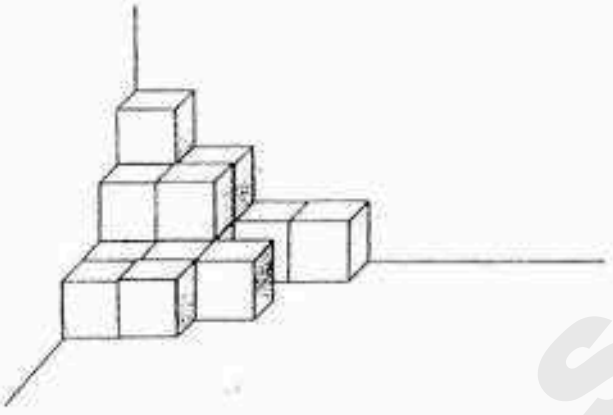
8. In the figure below, AB and CD are straight lines. Which pair of angles are equal?



1) ∠x and ∠u
2) ∠y and ∠t
3) ∠z and ∠v
4) ∠u and ∠y

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9. The figure shows a solid which is formed by using 1-cm cubes. What is the volume of the solid?



1) 11 cm^3
2) 12 cm^3
3) 15 cm^3
4) 16 cm^3

10. A stick of length $\frac{7}{8}$ m is cut into 4 equal pieces. What is the length of each piece?

1) $3\frac{1}{2}$ m
2) $3\frac{1}{8}$ m
3) $\frac{7}{32}$ m
4) $\frac{9}{8}$ m

11. 0.12 x 30 = _____ + 100

1) 3.6
2) 36
3) 360
4) 3 600

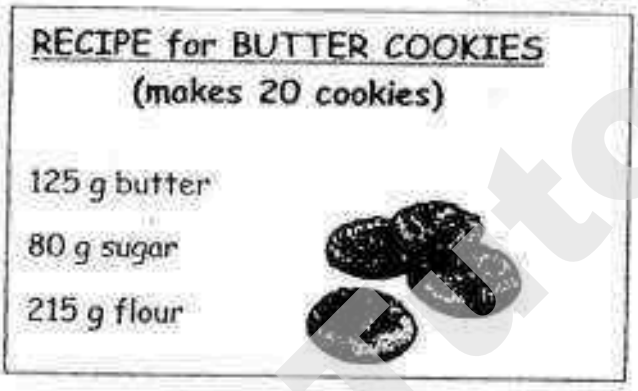
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12. After Jimmy has given $320 to Timothy, they each have an equal amount of money. What is the difference in their amount of money at first?

1) $160
2) $320
3) $480
4) $640

13. Andy wants to make butter cookies using the recipe below.



He has 500 g of butter, 250 g of sugar and 1 kg of flour. What is the greatest number of cookies he can make?

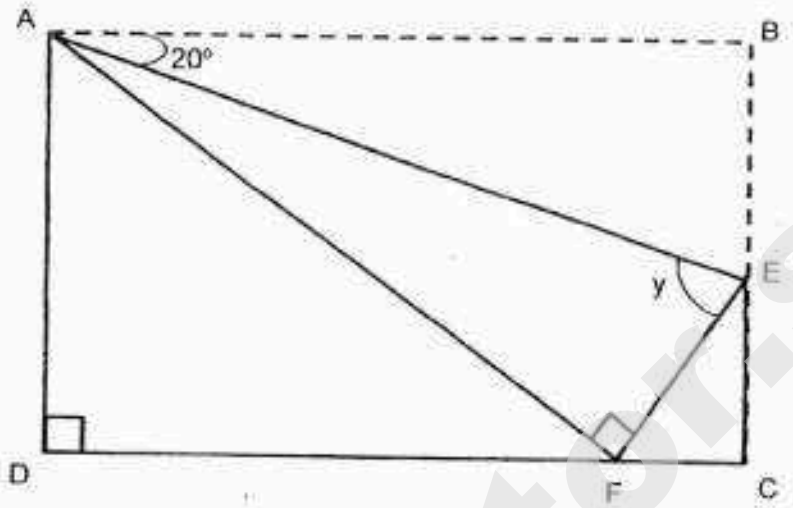
1) 24
2) 48
3) 60
4) 80

14. $\frac{2}{5}$ of the pens in a box are blue pens. The remaining pens are made up of equal number of red pens and green pens. What is the percentage of the pens that are green in the box?

1) 6%
2) 30%
3) 40%
4) 60%

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15. The figure below shows a rectangle ABCD being folded along AE. Given that ∠BAE = 20°, find ∠y.



1) 20°
2) 40°
3) 50°
4) 70°

End of Booklet A

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Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2016)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet B

Tuesday **1 November 2016** **50 min**

Name: _____ ( )

Class: 5. ( )

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 Answer ALL questions.

4 You are not allowed to use a calculator for this paper.

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

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

16. Evaluate $94 + (30 - 18 \div 6) \times 7$.

Answer : _____

17. Express $\frac{9}{8}$ as a decimal.

Answer : _____

18. Express 7 m 1 cm in metres.

Answer : _____ m

19. Find the value of $4 - \frac{1}{3} - \frac{2}{5}$

Answer : _____

Sub-Total : [ ]

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

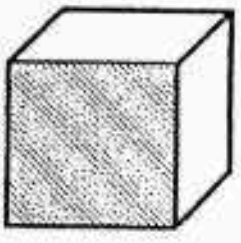
4 : 6 = ☐ : 9

Answer : _____

21. Susan bought a bag at a discount of 15%. The usual price of the bag was $160. How much was the discount?

Answer : $ _____

22. The shaded part of the cube shown below is 81 cm^2. What is the volume of the cube?



Answer : _____ cm^3

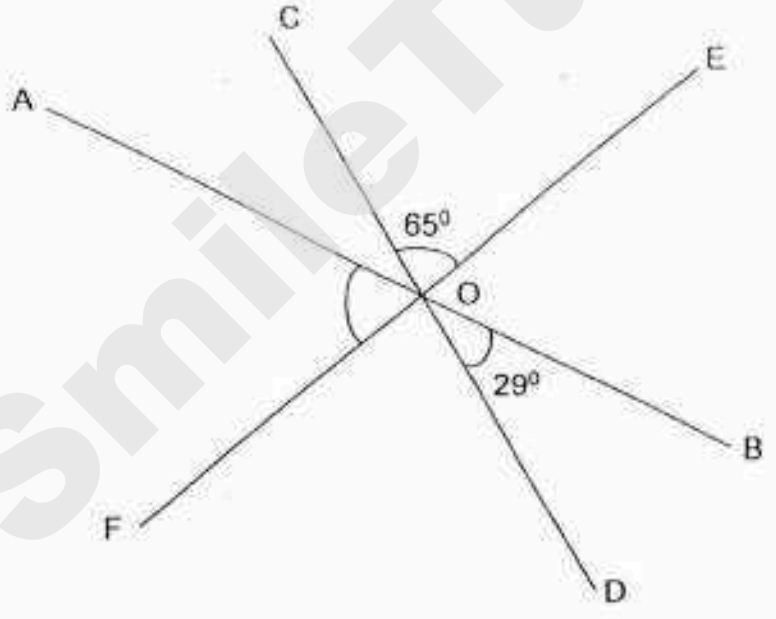
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23. There are 3 boxes. The mass of Box A is 3.4 kg, the mass of Box B is 5.8 kg and the mass of Box C is 4.2 kg. Which box has its mass nearest to the average mass of the 3 boxes?

Answer : Box _____

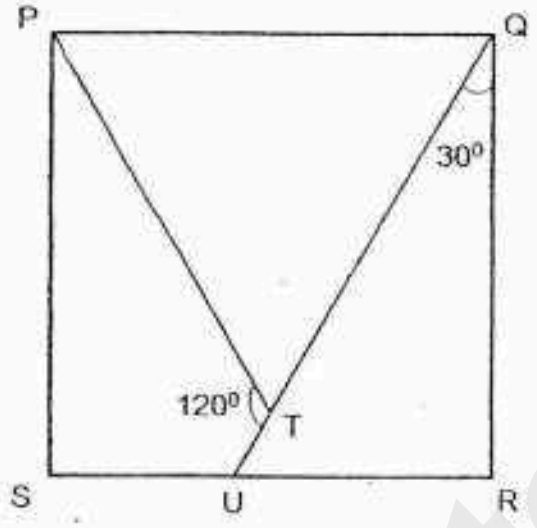
24. In the figure below, AB, CD and EF are straight lines.
$\angle COE = 65^0$ and $\angle BOD = 29^0$. Find $\angle AOF$.



Answer : _____ °

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25. In the figure below, PQRS is a square. QTU is a straight line. $\angle PTU = 120^\circ$ and $\angle RQU = 30^\circ$. Find $\angle TPQ$.



Answer : _____ °

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Questions **26** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

---

26. John and Albert shared some money in the ratio 5 : 7. John had $180. How much more money did Albert get than John?

Answer : $ _____

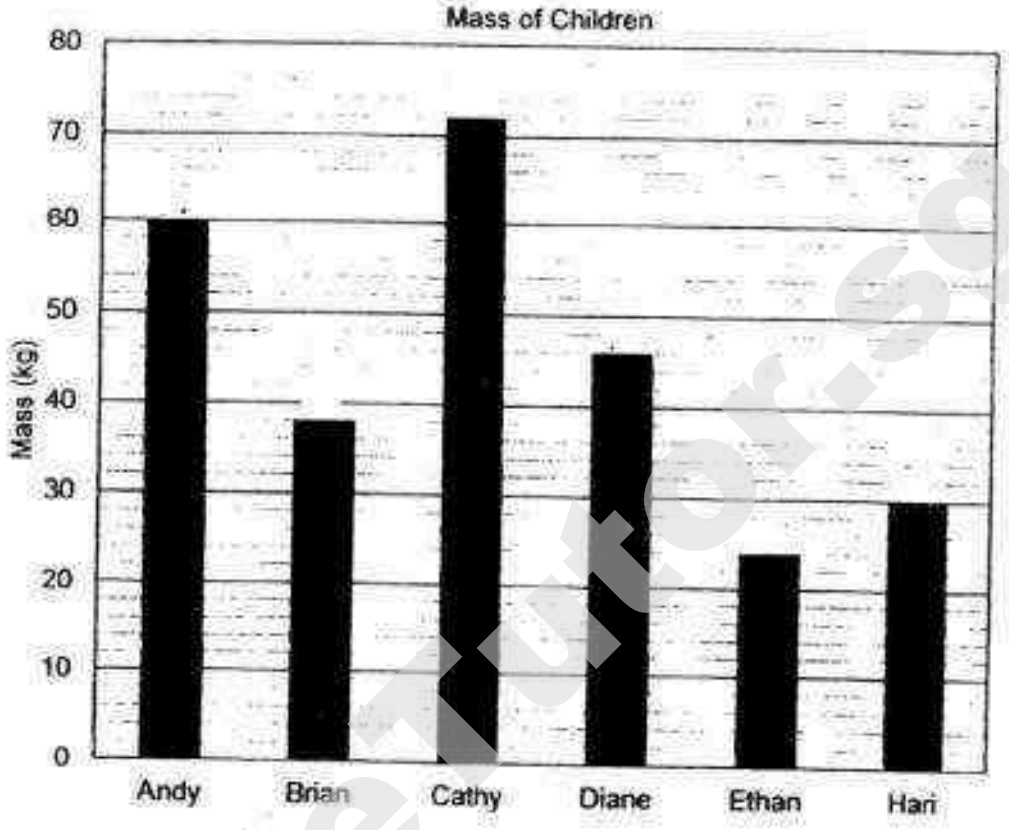
27. A dress costs $12 more than a wallet and a shirt costs $8 less than the wallet. Given that the total cost of the 3 items is $70, find the cost of the shirt.

Answer : $_____

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28. The graph below shows the mass of 6 children in kilogrammes.



(a) Who is three times as heavy as Ethan?

Answer: _____

(b) What is the total mass of the 3 heaviest children?

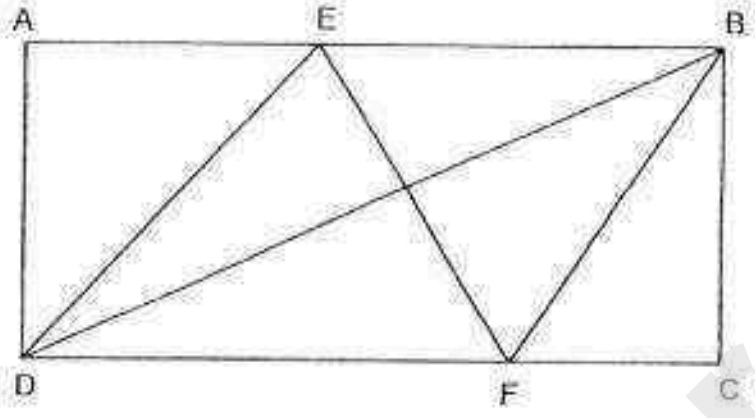
Answer: _____ kg

Sub-Total : [ ]

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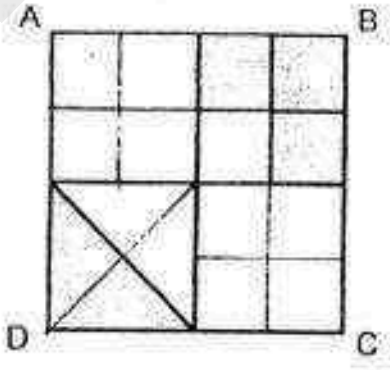
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29. In the figure, ABCD is a rectangle with an area of 912 cm^2. Given that the area of triangle DEF is 358 cm^2, find the area of triangle BFC.



Answer : _____ cm^2

30. A square ABCD is made up of 4 small squares, 2 large squares and 2 large triangles. What is the ratio of the shaded squares to the shaded triangle, as shown in the diagram below?



Answer : _____

End of Booklet B

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Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2016)

PRIMARY 5

MATHEMATICS

PAPER 2

Tuesday 1 November 2016 1 h 40 min

Name: _____ ( )

Class: 5.( )

Parent's Signature: _____

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 Answer ALL questions.

4 You can use a calculator for this paper.

Paper	Booklet	Possible Marks	Marks Obtained
1	A	20	
	B	20	
2		60	
Total		100	

This question paper consists of 16 printed pages (inclusive of cover page).

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

1. In a sports hall, $\frac{1}{9}$ of the pupils were boys and the rest were girls. There were 448 more girls than boys. How many children were there in the sports hall?

Ans : _____

2. There are 21 vanilla cupcakes, 35 banana cupcakes and 56 chocolate cupcakes. All the cupcakes are placed into the least number of boxes such that the number of each type of cupcake is the same in all the boxes. Each box contains 3 different types of cupcakes. How many cupcakes are there in each box?

Ans : _____

Sub-Total : [ ]

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3. The mass of 24 bottles of juice in a carton is 12.2 kg. The mass of each bottle of juice is 0.48 kg. What is the mass of the empty carton?
(Round off your answer to the nearest tenth.)

Ans : _____ kg

4. The average height of Edwin and Fabian is 1.52 m. Fabian is 22 cm taller. What is Edwin's height? (Express your answer in metres.)

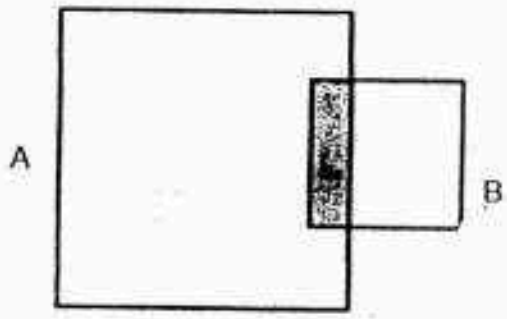
Ans : _____ m

Sub-Total :

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5. The figure below consists of 2 squares A and B whose areas are in the ratio of 3 : 1. Given that $\frac{1}{12}$ of square A is shaded, what fraction of square B is shaded?



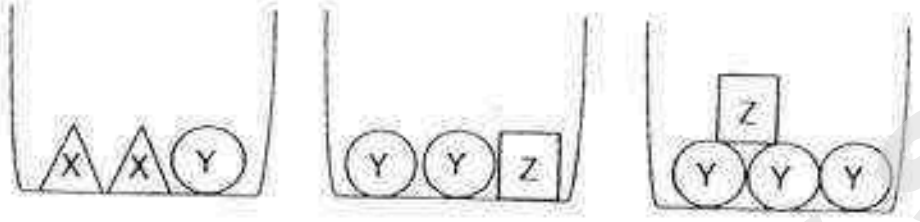
Ans : _____

Sub-Total :

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For questions **6** to **18**, 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. (50 marks)

6. 3 objects X, Y and Z were placed in identical containers and their mass was recorded as shown below. What was the mass of X?



190 g 265 g 325 g

Ans : _____ [3]

7. Alice had $2480. She spent 25% of her money on an air ticket to Bangkok and 14% of the remaining money on a luggage. How much had she left in the end?

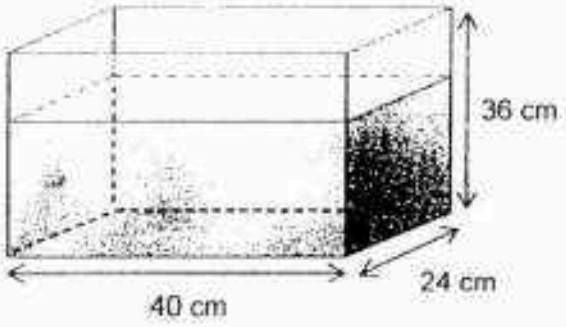
Ans : _____ [3]

Sub-Total :

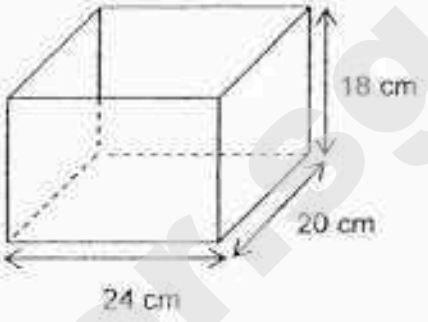
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8. Tank P measuring 40 cm by 24 cm by 36 cm is $\frac{5}{6}$-filled with water. The water is then poured into another tank, Tank Q, measuring 24 cm by 20 cm by 18 cm until it is full. What is the volume of water left in Tank P? Give your answer in cubic centimetres.



Tank P



Tank Q

Ans: _____ [3]

Sub-Total :

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9. There were an equal number of boys in Classes 5A and 5B. $\frac{3}{4}$ of the pupils in Class 5A are boys and $\frac{1}{7}$ of the pupils in Class 5B are girls. Given that there are a total of 12 girls in the two classes, how many pupils are there in 5B?

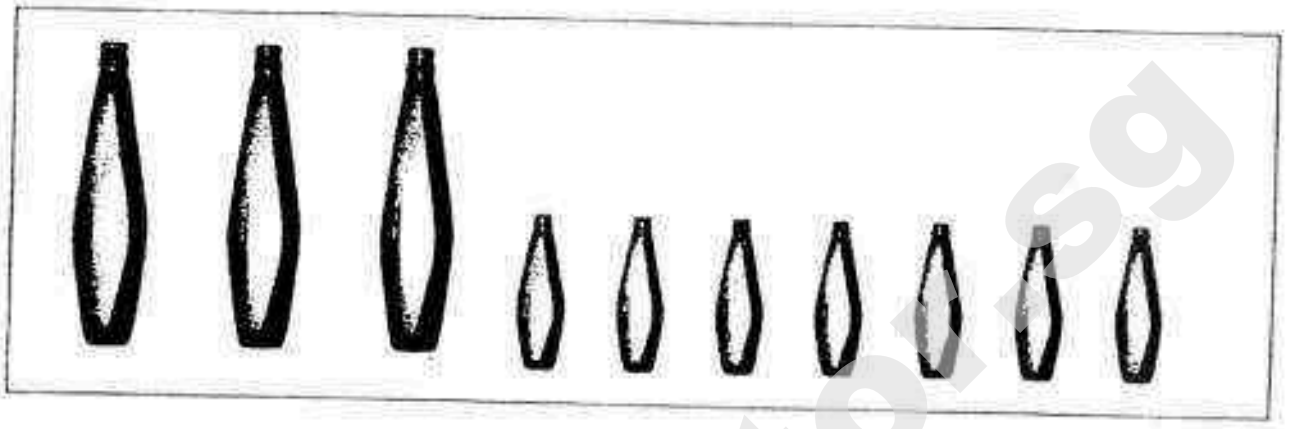
Ans : _____ [3]

Sub-Total :

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10. Jaime has two types of bottles, large and small. He filled 3 large bottles and 7 small bottles with 10.5 ℓ of the drink he made. With the remaining drink, he could not fill another large bottle as he was short of 0.3 ℓ. Thus, he filled another small bottle and had 0.6 ℓ left over.



(a) How many litres of drink did the large bottle hold more than the small bottle?

(b) How many litres of drink did a small bottle hold?

(a) _____ [1]

(b) _____ [2]

Sub-Total :

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11. Kelly and Hannah went shopping with a total amount of $165. Kelly spent twice as much as Hannah. The amount Hannah had left was $14 more than what she had spent. She had twice as much money left as Kelly.

a) How much money did Kelly spend?

b) How much money did Hannah have at first?

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Ans : (a) _____ [3]

(b) _____ [1]

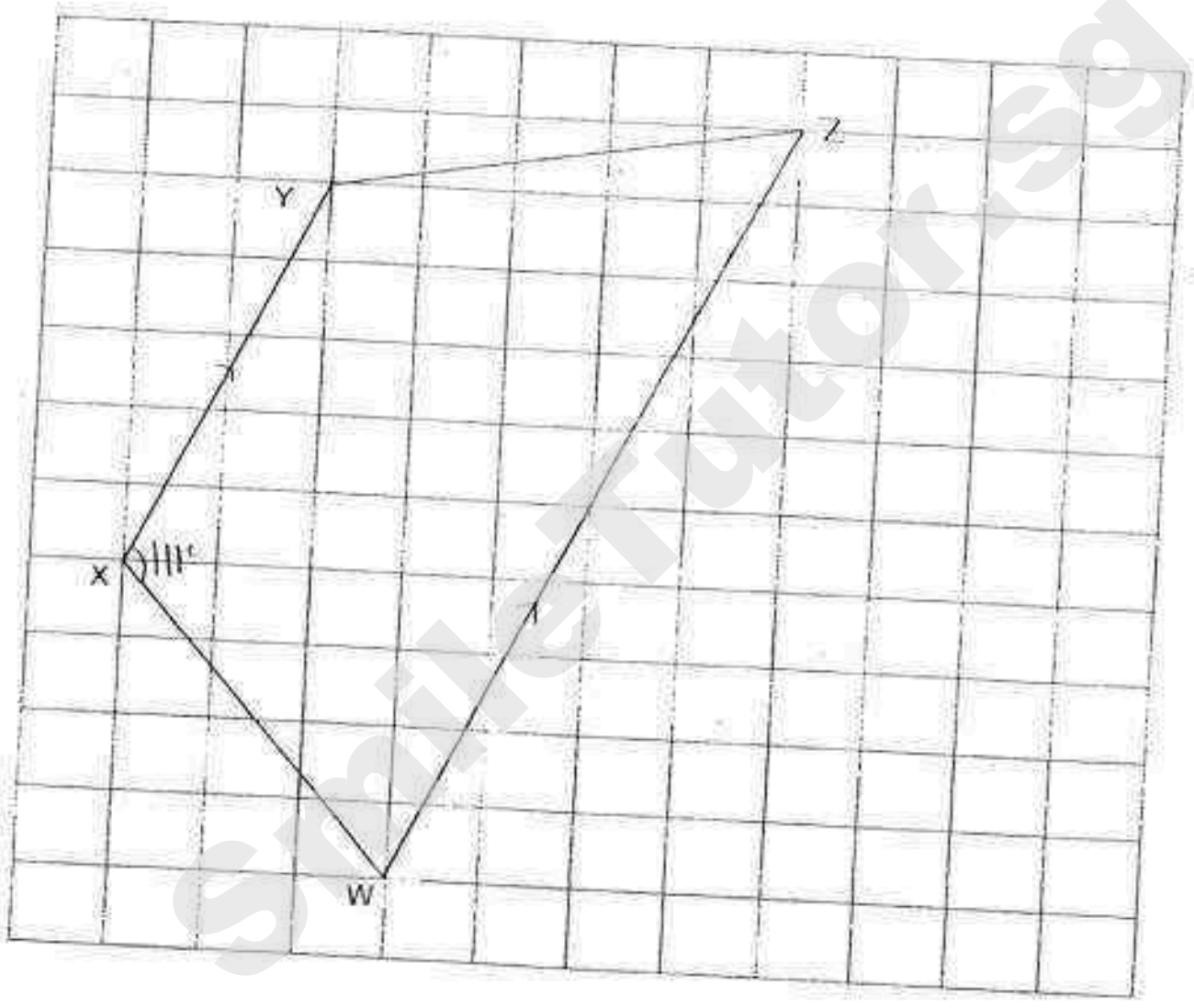
Sub-Total :

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12. In the square grid below, XY and YZ are straight lines.

(a) Measure and write down the size of ∠WXY.

(b) WX and XY form 2 sides of a trapezium WXYZ.
WZ is parallel to XY and twice the length of XY.
Complete the drawing of trapezium WXYZ.



Ans: (a) _____ [1]

(b) [3]

Sub-Total :

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13. Sweet Bakery baked 520 tarts. 30% of them were kiwi fruit tarts and the rest were blueberry tarts.

(a) How many kiwi fruit tarts did Sweet Bakery bake?

(b) Some blueberry tarts were sold. In the end, $\frac{5}{11}$ of the tarts left were blueberry tarts. How many blueberry tarts were sold?

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Ans : (a) _____ [1]

(b) _____ [3]

Sub-Total :

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14. A sum of \$496 is shared by a group of people. $\frac{2}{3}$ of the people received \$4 each. $\frac{1}{4}$ of the remainder received \$6 each and the rest received \$8 each.

(a) What fraction of this group of people received \$8?

(b) How many people were there altogether?

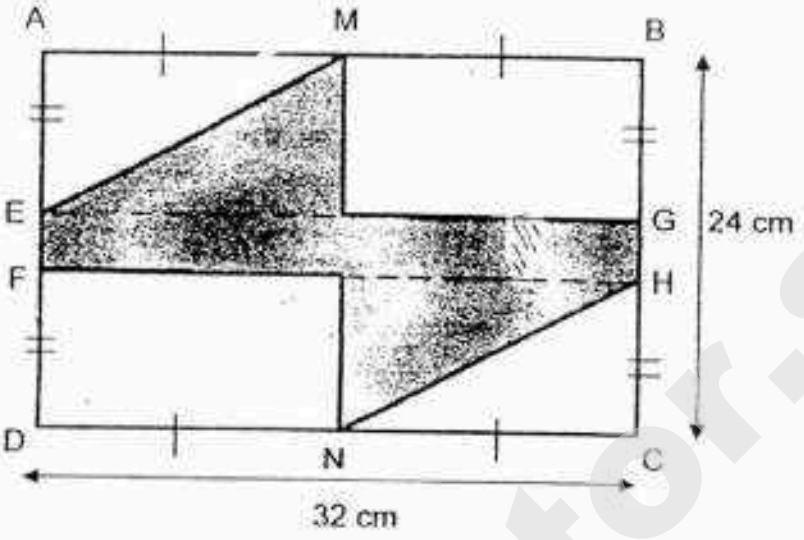
Ans: (a) _____ [1]

(b) _____ [3]

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15. The figure below is not drawn to scale. ABCD is a rectangle. M is the midpoint of AB and N is the midpoint of DC. Given that AE = FD = BG = HC and EF = GH = 4 cm, find the area of the shaded part.



Ans : _____ [4]

Sub-Total :

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16. Mr Kang packs and sells mooncakes in big boxes of 8 and small boxes of 4. At first, there were twice as many small boxes of mooncakes as big boxes. After selling half the number of small boxes and some big boxes, Mr Kang packs another 6 small boxes of mooncakes.

(a) In the end, the number of mooncakes in the unsold small boxes is thrice the number of mooncakes in the unsold big boxes. Given that there are a total of 128 mooncakes in all the unsold boxes, find the number of mooncakes in the unsold small boxes.

(b) Find the number of big boxes Mr Kang packed at first.

Ans: (a) _____ [2]

(b) _____ [3]

Sub-Total :

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17. There were some pears at a fruit stall. In the morning, $\frac{1}{6}$ of pears was sold. In the afternoon, another 30 pears were sold. The total number of pears sold was 5 less than $\frac{7}{12}$ of the number of pears the fruit stall had at first.

(a) How many pears were there at first?

(b) What fraction of the pears in the stall remained unsold in the afternoon?

Ans: (a) _____ [3]

(b) _____ [2]

Sub-Total :

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18. At a game, Selena, Rihana and Tina had a total of 320 clips. Selena had the least number of clips. The ratio of Rihana's clips to Tina's clips was 5 : 4 at first. After Selena and Rihana had each lost $\frac{1}{2}$ of their clips, Rihana had 50 clips more than Selena. The girls had a total of 220 clips in the end.

(a) What is the ratio of the number of Rihana's clips to the number of Tina's clips at the end of the game?

(b) How many clips did Selena have at first?

Ans: (a) _____ [1]

(b) _____ [4]

End of Paper 2

Sub-Total :

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EXAM PAPER 2016

SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)
SUBJECT : MATHEMATICS
TERM : SA2

PAPER 1
SECTION A

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

SECTION B

Q16. 283 Q17. 1.125 Q18. 7.01m Q19. $3\frac{4}{15}$ Q20. 6 Q21. $24

Q22. $729cm^3$ Q23. Box C Q24. 86° Q25. 60 Q26. $72 Q27. $14

Q28(a) Cathy (b) 178kg Q29. $98cm^2$ Q30. 3:2

PAPER 2

Q1. 576 children
Q2. 16 cupcakes
Q3. 0.7kg
Q4. 1.41m
Q5. ¼ of square B
Q6. Y = 325-265
= 65
2 of X = 190-60
=130
X = 130/2
= 65 Answer: 65

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Q7. $Left = \frac{3}{4} \times \frac{43}{50}$

$= \frac{129}{200}$

$Left = 2480 \times \frac{129}{300}$

$= 1599.60$ Answer: $1599.60

Q8. Water = 40 X 24 X 36 X 5/6

=2880

Capacity of tank Q = 24 X 20 X 18

= 8640

Water left = 28800 – 8640

= 20160 Answer: $20160cm^3$

Q9. Boys in 5B = 1 – 1/7

= 6/7

3/4A = 6/7B

6/8A = 6/7 B

Units of girls in A = 8u – 6u

= 2u

12 = 2u+1u

= 3u

7u = 12 X 7/3

= 28 Answer: 28 pupils

Q10(a) Diff = 0.3L + 0.6L

= 0.9L Answer: The large bottle held 0.9L of drink more than the small bottle.

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(b) 3L +7S = 10.5

10S = 10.5 – (0.9 X 3)

= 7.8

1S = 7.8 ÷ 10

= 0.78 Answer: A small bottle held 0.78L of drink.

Q11(a) 9u + 14 + 7 = 165

9u = 165 – 21

= 144

1u = 114 ÷ 9

= 16

4u = 16 X 4

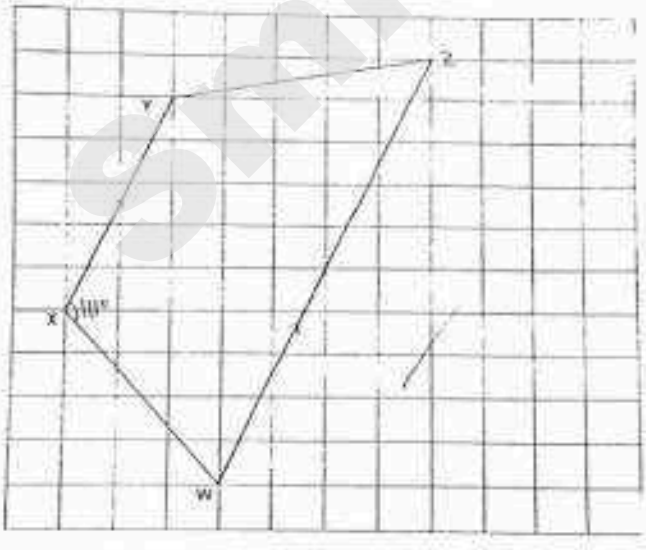
=64 Answer: $64

(b) Amount Hannah had at first = 64 + 14

= 78 Answer : $78

Q12(a) 111°

(b)



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Q13(a) Kiwi = 520/100 X 30

= 156 Answer: 156 Kiwi Fruit Tarts

(b) At first End

K : B K : B

3 : 7 6 : 5

6 : 14

14u = 9u

6u = 156

9u = 156/6 X 9

= 234 Answer: 234 Blueberry Tarts

Q14(a) $6 = (1-2/3 X 1/4)

= 1/12

$8 = 1 -2/3 -1/12

= ¼ Answer: ¼ of the people

(b)

Number		Value		Total value
8u	X	4	=	32u
1u	X	6	=	6u
3u	X	8	=	24u

¼ = 3/12

496 = 32u + 6u + 24u

= 62u

12u = 496/62 X 12

= 96 Answer: 96 people

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Q15. Area A = Area B

Area A + Area B = ((24-4)÷ 2) X (32÷ 2) X2

= 320

Area C + Area D = ((24-4) ÷2 X (32÷ 2) X 2 ÷ 2

= 160

Shaded area = 24 X 32 – 160 – 320

= 288 Answer: $288cm^2$

16(a) At first End

B : S B : S

1u:2u 1/3u + 2

$128 \div 4 \div 1/3u + 2 + 1u + 6 = 1\frac{1}{3}u + 8$

$1u = (128 \div 4 - 8) \div 1\frac{1}{3}$

Mooncakes in unsold small boxes = (18 X 1 +6) X 4

= 96 Answer: 96 mooncakes

(b) 1u = 18 Answer: 18 big boxes

Q17(a) 7/12u – 5 + 1/6u + 30

7/12u – 1/6u = 5+30

5/12u = 35

1u = 35/5 X 12

= 84 Answer: 84 pears

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(b) Left = (84 X 5/6) – 30

= 40

Left(fraction) = 40/84

= 10/21 Answer: 10/21

Q18(a) At first End

R : T R : T

5 : 4 2.5: 4

10: 6 5: 8 Answer: 5:8

(b) 320 – 220 = 100

2u = 100 – 50

= 50

Selena at the end = 50 ÷ 2

= 25

Selena at first = 25 X 2

= 50 Answer: 50 clips

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5

Name : _____( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semestral Assessment Two

Paper 1

Booklet A

25 October 2016

Total Time for Booklets A and B : 50 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
The use of calculators is NOT allowed.

This booklet consists of 8 printed pages including the cover page.

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

(20 marks)

---

1. Which of the following when rounded to the nearest thousand is 600 000 ?

   1) 598 999
   2) 590 000
   3) 600 499
   4) 600 940

2. Express $10\frac{1}{20}$ as a decimal.

   1) 10.02
   2) 10.05
   3) 10.2
   4) 10.5

3. In $\frac{2}{3} + \frac{\square}{12} = \frac{5}{6}$, what is the missing number in the box?

   1) 9
   2) 2
   3) 3
   4) 18

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4. What is the product of 144 and $\frac{8}{9}$?

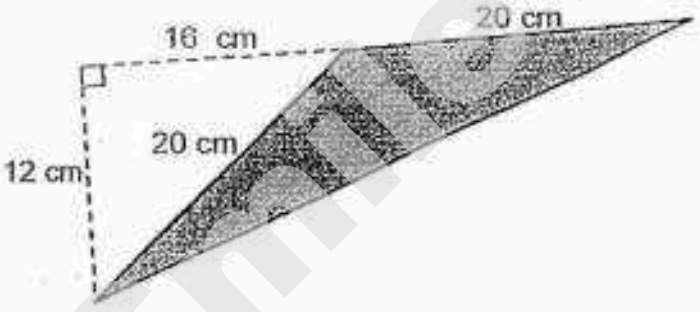
1) 162

2) 128

3) 18

4) 16

5. Find the area of the shaded triangle.



1) 120 cm^2

2) 160 cm^2

3) 200 cm^2

4) 360 cm^2

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6. The table below shows the beads that 3 girls have.

Name	Number of beads
Myra	32
Tiffany	26
Dionis	40

What is the ratio of the number of beads Myra has to the number of beads Tiffany has to the number of beads Dionis has?

1) 8 : 7 : 10

2) 10 : 7 : 8

3) 16 : 13 : 20

4) 20 : 13 : 16

7. 330 g of white rice was mixed with some brown rice in the ratio 3 : 5. Find the mass of the brown rice.

1) 132 g

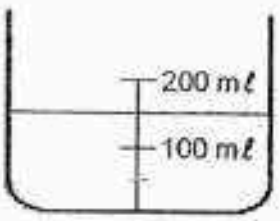
2) 198 g

3) 528 g

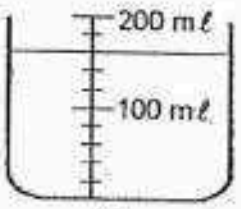
4) 550 g

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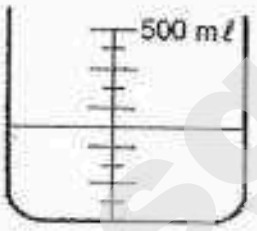
8. Three containers with some water are shown below. Which container has the most water and which container has the least?



A



B



C

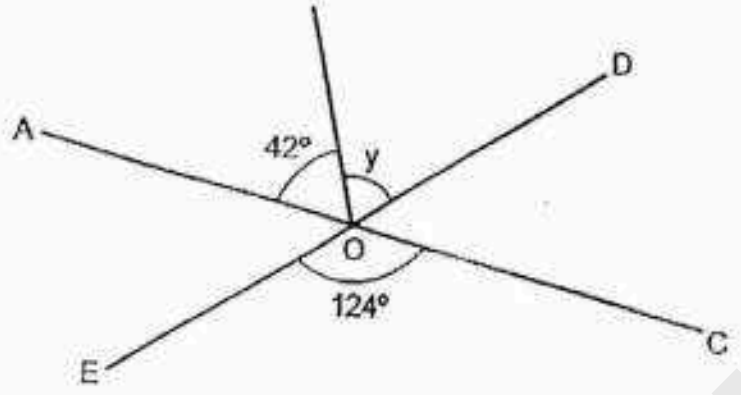
	Most	Least
1)	A	B
2)	B	C
3)	C	A
4)	C	B

9. Jerome bought 5 boxes of cream puffs. The total mass of the boxes of cream puffs was 5 kg 50 g. What was the average mass of one box of cream puffs?

1) 110 g
2) 1100 g
3) 1.01 kg
4) 10.1 kg

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10. The figure is not drawn to scale. AOC and EOD are straight lines. Find $\angle y$.



1) 40°

2) 56°

3) 82°

4) 97°

11. Carina and Denzel shared a sum of $460. Carina received 60% of the money. How much money did Denzel receive?

1) $138

2) $184

3) $276

4) $400

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12. The table below shows the marks Richelle scored in her mid-year examination.

Subject	English	Mathematics	Chinese	Science
Marks	84	7?	69	7?

Richelle scored an average of 75 marks for the 4 subjects. What is the greatest possible mark that she could have scored for Science?

1) 70

2) 73.5

3) 77

4) 78.5

13. Mrs Wesley bought 60 tarts for a party. 24 were fruit tarts. The rest were durian tarts and egg tarts. There were as many durian tarts as egg tarts. What percentage of the tarts were egg tarts?

1) 25%

2) 30%

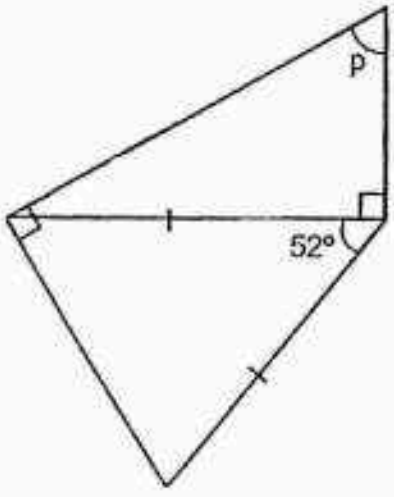
3) 70%

4) 75%

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14. The figure below shows a right-angled triangle and an isosceles triangle. Find $\angle p$.



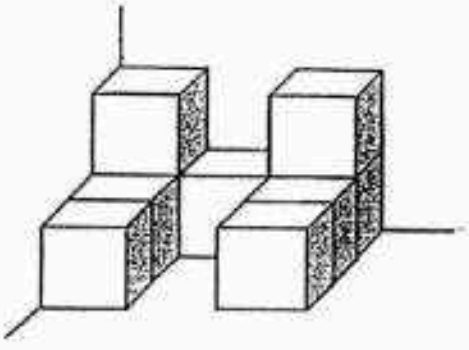
1) 26°

2) 38°

3) 64°

4) 76°

15. Some identical 1-cm cubes are stacked up as shown in the figure. How many more 1-cm cubes are needed to build a 3-cm cube?



1) 18

2) 20

3) 21

4) 27

** END OF BOOKLET A**

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Name : _____ ( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semestral Assessment Two

Paper 1

Booklet B

25 October 2016

Booklet A	20
Booklet B	20
Total (Paper 1)	40

Total Time for Booklets A and B : 50 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
The use of calculators is **NOT** allowed.

This booklet consists of 10 printed pages including the cover page.

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

16. Write seven million and one thousand in numerals.

Ans : _____

17. Find the value of $69 \div 9 \div 3 - (4 \times 5)$.

Ans : _____

18. In a class, $\frac{1}{8}$ of the children are boys. $\frac{2}{5}$ of the girls play tennis. What fraction of the children in the class are girls who play tennis? Leave your answer in the simplest form.

Ans : _____

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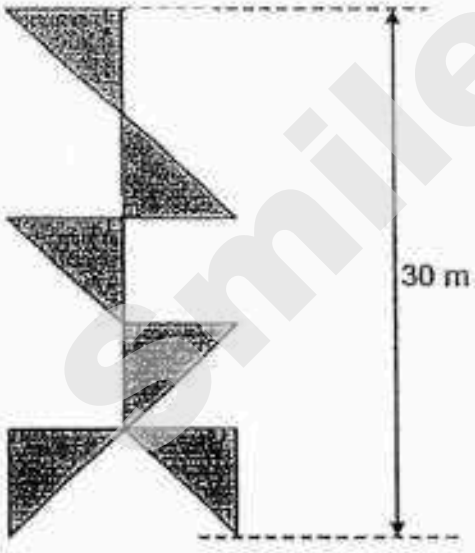
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19. 28 similar jugs of water can fill $\frac{4}{7}$ of a pail. How many such jugs are required to fill the whole pail?

Do not write in this space.

Ans : _____

20. The figure below is made up of 6 identical isosceles triangles. Find the area of the figure.



Ans : _____ m^2

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21. A piece of ribbon 9 m was cut into three pieces in the ratio 6 : 3 : 1. What is the difference between the longest piece and the shortest piece? Express your answer as a fraction in the simplest form.

Do not write in this space.

Ans : _____ m

22. What is the value of $3 - \frac{2}{5} - \frac{1}{8}$? Leave your answer as a mixed number.

Ans : _____

23. 704 ℓ of orange juice is poured into 400 bottles equally. How much orange juice is in each bottle? Express your answer as a decimal.

Ans : _____ ℓ

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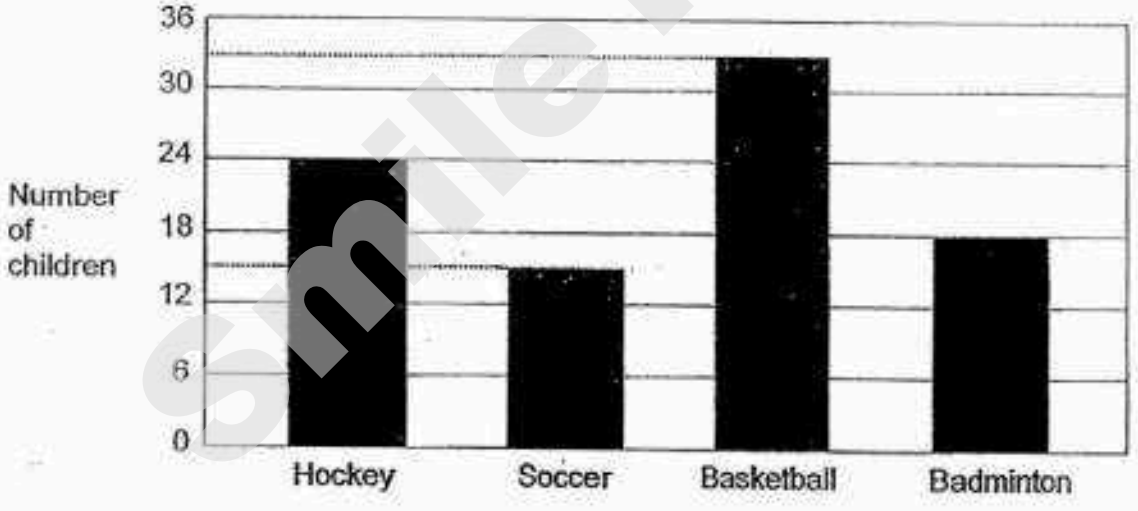
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24. In 8 years' time, the average age of Mr Sim and his son will be 27 years. What is their total age now?

Do not write in this space

Ans : _____

25. The graph below shows the types of sports that children play in Happykidz Primary School.



What percentage of the children play badminton ?

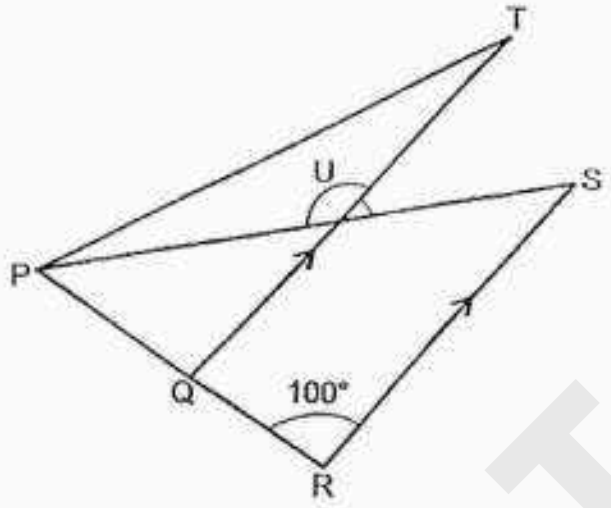
Ans : _____ %

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Questions **26** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

26. The figure below is not drawn to scale. QUT is a straight line and QT // RS. PR = RS and ∠QRS = 100°. Find ∠PUT.



Ans : _____ °

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27. The table shows the prices of a similar dress from two different malls.

Do not write in this space.

	Mall A		Mall B	
Item	Original Price	Discount	Original Price	Discount
	$140	40%	$150	30%

(a) Which mall sells the dress at a cheaper price?

(b) How much cheaper is the dress?

Ans : (a) Mall _____

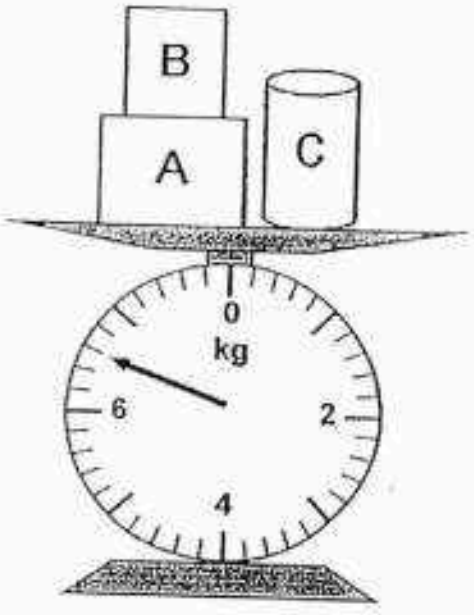
(b) $ _____

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28. The figure shows the mass of 3 objects, A, B and C.
C has a mass of 2.3 kg. The ratio of the mass of A to the mass of B is 4 : 1.
What is the mass of B?

Do not write in this space.



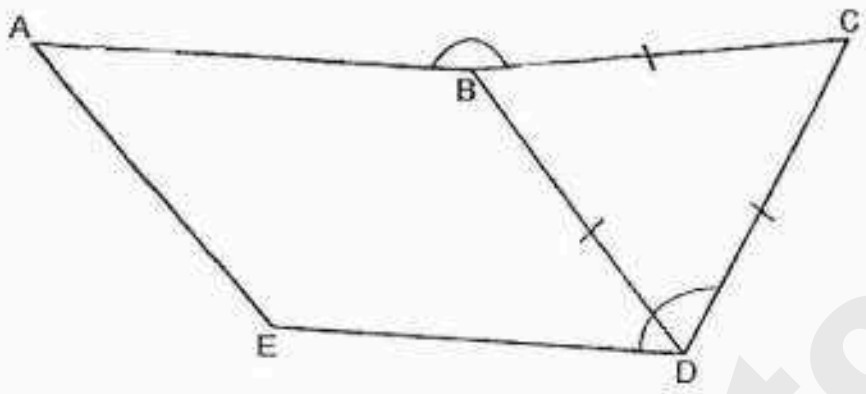
Ans : _____ kg

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29. In the figure below, ABDE is a parallelogram and $\angle CDE = 106°$. Find $\angle ABC$.

Do not write in this space.



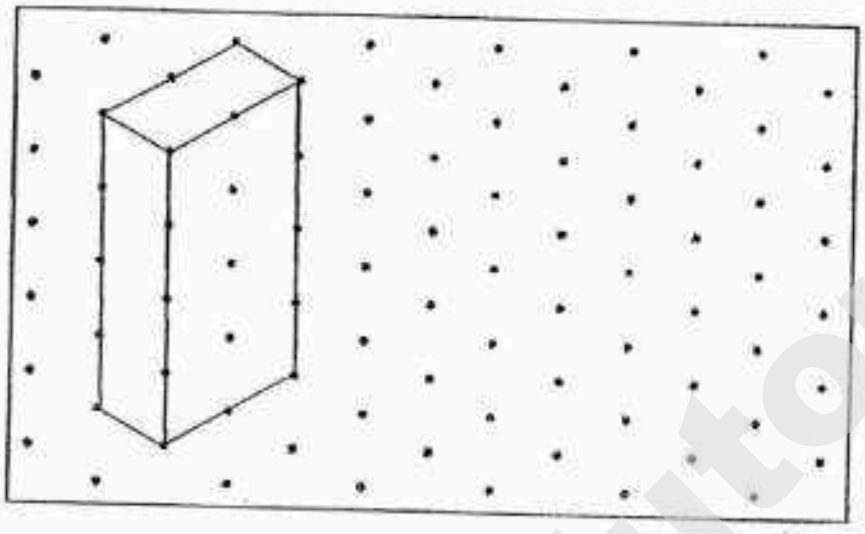
Ans : _____ °

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30. Draw a cube with the same volume as the cuboid given in the grid below.

Do not write in this space.



END OF PAPER 1

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Name : _____ ( )

Class : Primary 5 _____

CHIJ ST NICHLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2016 Semestral Assessment Two

Paper 2

25 October 2016

Paper 1	40
Paper 2	60
Total	100

_____

Parent's / Guardian's Signature

Time : 1 hour 40 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so
Follow all instructions carefully.
Answer all questions.
The use of an approved calculator is expected, where appropriate.

This booklet consists of 15 printed pages including the cover page.

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

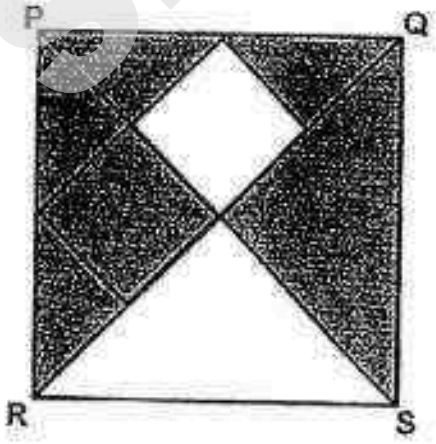
(10 marks)

Do not write in this space.

1. A tank has a capacity of 6 ℓ. It was $\frac{3}{8}$ filled at first. Aiken poured an additional 675 mℓ of water into the tank. How much more water is needed to fill the tank completely?

Ans : _____ mℓ

2. A square PQRS is made up of 2 small squares, 4 small triangles and 2 large triangles. PS and QR are straight lines. Find the ratio of the area of the shaded parts to the area of the unshaded parts in PQRS. Express your answer in the simplest form.



Ans : _____

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3. Jodina paid $200 for an equal number of shirts and pairs of shorts. Each shirt cost $8.50. Each pair of shorts cost $8 more than each shirt. How many shirts did she buy?

Do not write in this space.

Ans : _____

4.



Kylie and her 3 friends went to the buffet. How much was their total bill when 7% GST was added?

Ans : $ _____

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5. At a carnival, the ratio of the number of children to the number of adults was 5 : 2. When 133 more children joined in, the number of children was 6 times of the number of adults. How many children were at the carnival at first?

Do not write in this space.

Ans : _____

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For questions 6 to **18**, 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. (50 marks)

Do not write in this space.

6.

My Little Pony Musical

Tickets at $18 each

$3 discount for every 4 tickets



Mrs Milton paid $363 for tickets to the musical. How many tickets did she pay for?

Ans: _____ [3 m]

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7. $\frac{2}{9}$ of the cookies in a box were chocolate chip. There were 46 more hazelnut cookies than chocolate chip cookies in the box. The remaining 94 cookies were mixed nuts cookies. How many hazelnut cookies were in the box?

Do not write in this space.

Ans : _____ [3 m]

8. Tavia was given $4 pocket money every day of the week. She spent $3.40 per day from Monday to Friday and saved the rest. She saved all her pocket money on Saturday and Sunday. Starting on a Monday, how many days did it take her to save $80?

Ans : _____ [3 m]

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9. The average number of pears in 6 boxes is 107. After 3 more boxes of pears are added, the average number of pears in all the boxes becomes 112. What is the average number of the 3 additional boxes of pears?

Do not write in this space.

Ans : _____ [3 m]

10. A rod is 5.25 m long. Equal divisions on the rod are painted white and black alternately. Each painted division is 21 cm long. How many white divisions are there altogether?



Ans : _____ [3 m]

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11. The table below shows the charges for water usage.

Do not write in this space.

Volume of water	Charge
First 40 m^3	\$1.27 per m^3
Above 40 m^3	\$1.35 per m^3

(a) The Lim family used 32 m^3 of water in April. How much did the Lim family pay for the water used?

(b) The Halim family used 63 m^3 of water in May. How much did the Halim family pay for the water used?

Ans : (a) _____ [2 m]

(b) _____ [2 m]

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12. The Great Store held a promotion during the Christmas season.

Do not write in this space.



(a) Lara spent $180 on each type of item. How many more mugs than plates did she buy?

(b) Elsie bought an equal number of plates and mugs. She paid $312 in all. How many mugs and plates did she buy altogether?

Ans : (a) _____ [2 m]

(b) _____ [2 m]

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13. Mrs Barker had 3 packs of flour, X, Y and Z. There was 506 g of flour in X. The ratio of the mass of flour in X to the mass of flour in Y to the mass of flour in Z was 2 : 5 : 9. Mrs Barker used $\frac{4}{5}$ of the total amount of flour to make pies.

What was the mass of flour left?

Do not write in this space.

Ans : _____ [4 m]

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14.



Do not write in this space.

(a) Emma bought two coffee makers. How much did she pay for the 2nd coffee maker?

(b) How much did Emma pay for the two coffee makers altogether?

Ans : (a) _____ [3 m]

(b) _____ [1 m]

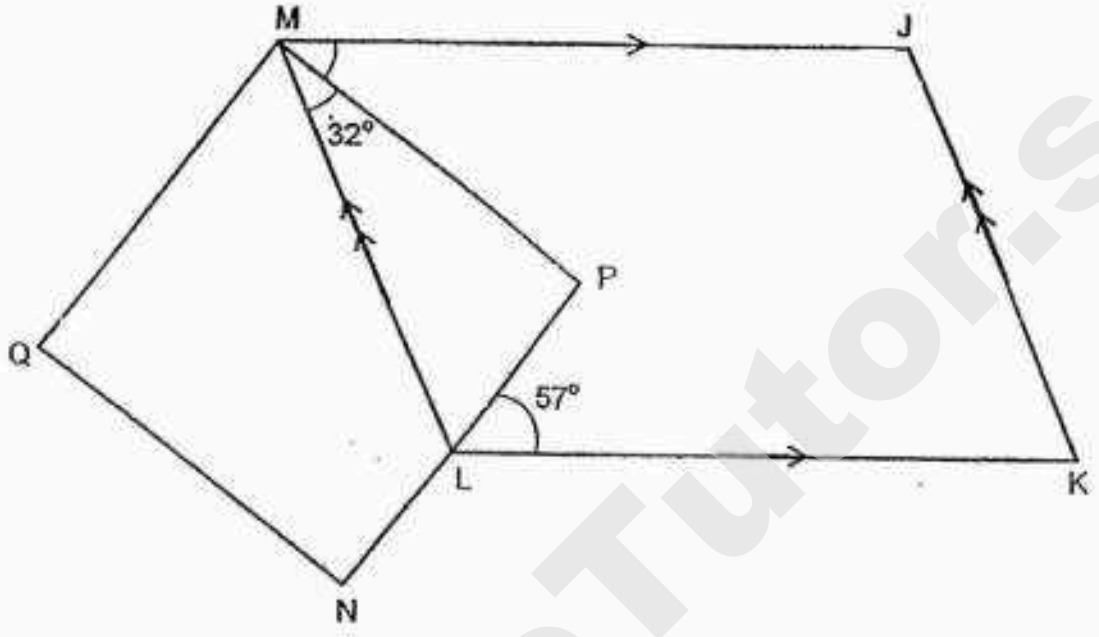
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15. The figure below is not drawn to scale. MPNQ is a square.

Do not write in this space.

(a) Name the trapezium in the figure.

(b) Find $\angle JMP$



Ans : (a) _____ [1 m]

(b) _____ [3 m]

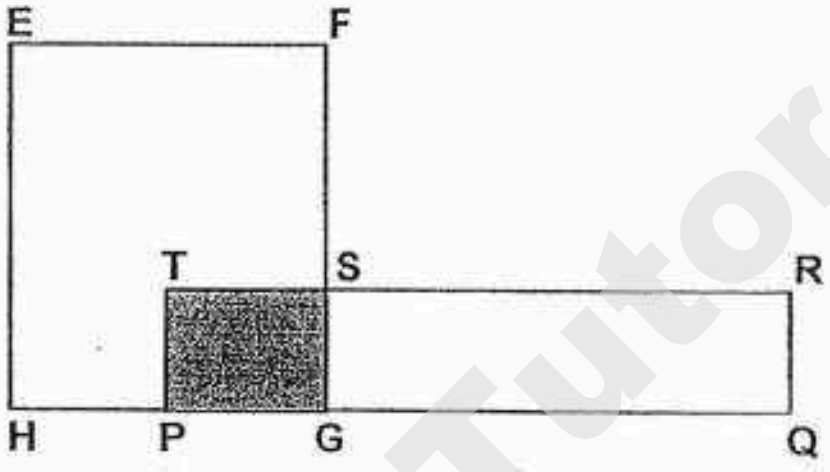
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16. The figure below is made up of two rectangles, EFGH and PQRT, overlapping each other.

$\frac{1}{6}$ of EFGH is shaded and $\frac{1}{4}$ of PQRT is shaded.

(a) What fraction of the figure is not shaded?

(b) The area of the whole figure is 171 cm^2. Find the difference in the areas of EFGH and PQRT.



Do not write in this space.

Ans : (a) _____ [2 m]

(b) _____ [3 m]

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17. Xavier took part in a 25-km cycling race. There was a water refill station at half the distance of the race.

Do not write in this space.

(a) Xavier stopped at the water refill station to refill his water bottle. How many kilometres was he away from the starting point to the water refill station?

(b) After passing the water refill station, Xavier cycled $\frac{7}{10}$ of the remaining distance and stopped. How many metres was he away from the finishing point?

Ans : (a) _____ [1 m]

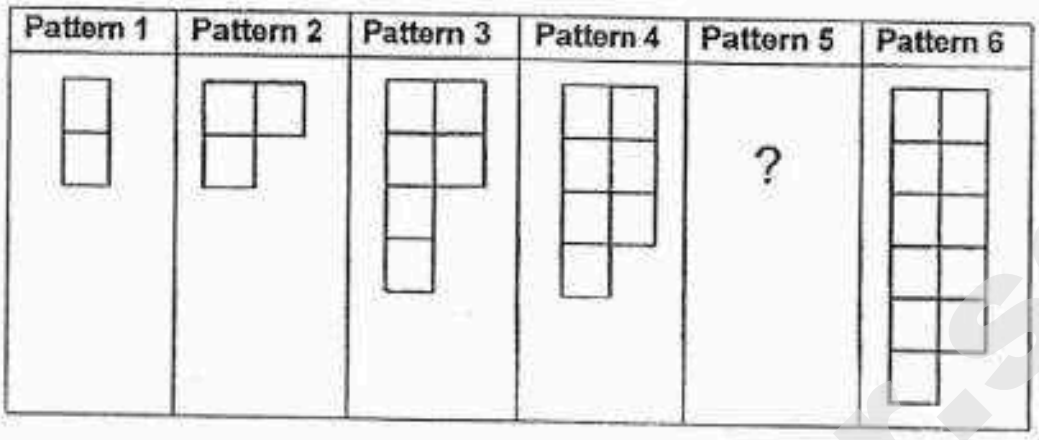
(b) _____ [4 m]

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18. The patterns below are made up of squares.

Do not write in this space.



(a) Draw Pattern 5 on the grid below. [1m]

(b) How many squares are there in Pattern 10?

(c) Which pattern is made up of 43 squares?

Ans: (b) _____ [1 m]

(c) _____ [3 m]

**** END OF PAPER ****

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EXAM PAPER 2016 (P5)

SCHOOL : CHIJ

SUBJECT : MATHEMATICS

TERM : SA2

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

16)7001000 17)52 18)2/5 19)49 20)108m2

21)4½m 22)$2\frac{19}{40}$ 23)1.76L 24)38 25)2%

26)180 – 100 = 80

80 ÷ 2 = 40

40 x 2 = 80

360 – 80 = 280

280 ÷ 2 = 140°

27)a)A

b)$21

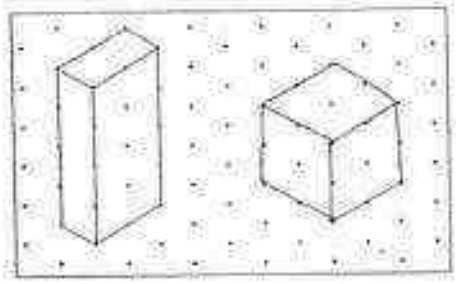
28)6.6 – 2.3 = 4.3

4.3 kg = 4300g

4300 ÷ 5 = 860g = 0.86kg

29)166°

30)



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Paper 2

1)6L = 6000ml

6000ml ÷ 8 = 750ml

750ml x 3 = 2250ml

2250ml + 675ml = 2925ml

6000ml – 2925ml = 3075ml

2) 6 : 10

10 : 6

5 : 3

3)200 ÷ 25 = 8 (no. of groups)

8 x 1 =8

4)$20.50 x 4 = $82 (price excluding GST)

82/1 x 7/100 = $5.74 (GST)

$82 + $5.74 = $87.74

5)12u – 5u = 7u

7u→133

1u→133 ÷ 7 = 19

19 x 5 = 95 children

6)1 ticket→$18

4 tickets→$69 (1 group)

Most number of discounted tickets→5 group→$345

$363 – $345 = $18 (1 ticket left)

4 x 5 = 20

20 + 1 = 21

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7)94→mixed nut cookies

46 + 94 = 140 (5/9)

140 ÷ 5 = 28 (1/9)

28 x 2 = 56

56 + 46 = 102

8)4 – 3.40 = 0.60

0.60 x 5 = 3

4 x 2 = 8

8 + 3 = 11

80 ÷ 11 = 7 r 3

7 x 7 = 49

3 ÷ 0.60 = 5

49 + 5 =54

9)107 x 6 = 642 (total number in 6 boxes)

112 x 9 = 1008 (total number in 9 boxes)

1008 – 642 = 366 (total number in 3 boxes)

366 ÷ 3 = 122

10)5.46m→546cm

21 x 13 = 273

273 x 2 = 546

Ans : 13

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11)a)$1.27 x 32m3 = $40.64

b)$1.27 x 40 = $50.80

23 x 11.25 = $31.05

$50.80 +$31.05 = $81.85

12)a)3 plates→$15

180 ÷ 15 = 12

12 x 3 = 36 (plates)

180 ÷ 12 = 15

8 x 15 = 120 (mugs)

120 – 36 = 84

b)16 x 15 + 12 x 6 = 312

16 x 3 = 48

12 x 8 = 96

13)506 ÷ 2 = 253

253 x 16 = 4048

4048 ÷ 5 = 809.6g

14)a)108/1 x 10/100 = $10.80 (dis)

$108 – $10.80 = $97.20 (dis price for first cm)

97.20/1 x 70/100 = $68.04 (dis)

b)$97.20 +$68.04 = $165.24

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15)a)MQNL

b)90 – 32 = 58

32 + 90 = 122

180 – 122 = 58

58 + 57 = 115

115 x 2 = 230

230 + 32 + 32 = 294

360 – 294 = 66

66 ÷ 2 = 33°

16)a)5 + 3 =8

8/9

b)171 ÷ 9 = 19

19 x 6 = 114

19 x 4 = 76

114 – 76 = 38 cm2

17)a)25 km→25000m

25000 ÷ 2 = 12500 = 12.5km

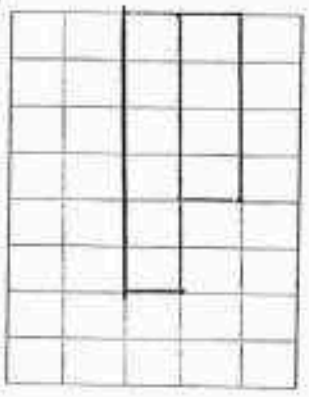
b)12500 ÷ 10 = 1250

1250 x 3 = 3750 m

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18)a)



b)11 + 3 = 14 (7)

14 + 1 = 15 (8)

15 + 3 =18 (9)

18 + 1 = 19 (10)

c)19 +3 = 22 (11)

22+1 = 23 (12)

23+3 = 26(13)

26+1 = 27 (14)

27+1 = 28 (15)

28+3 = 31 (16)

31+1 = 32 (17)

32+3 = 35 (18)

35+1 = 36 (19)

36+3 = 39 (20)

39+1 = 40 (21)

40+3 = 43 (22)

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HENRY PARK PRIMARY SCHOOL
2016 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 5

PAPER 1
(BOOKLET A)

Name: _____ ( )

Parent's Signature

_____

Class: Primary 5 _____

Marks:

Paper 1	Booklet A	20
	Booklet B	20
Paper 2		60
Total		100

Total Time for Booklets A and B: 50 min

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Shade your answers in the Optical Answer Sheet (OAS) provided.
You are **not** allowed to use a calculator.

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Booklet A:
Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.
For each of the questions, four options are given. One of them is the correct answer. Choose the correct answer (1, 2, 3 or 4). Shade the correct oval on the Optical Answer Sheet provided.

(20 marks)

1. Singapore attracted 231 469 tourists from a particular country last year. Express this number to the nearest thousand.

(1) 200 000
(2) 230 000
(3) 231 000
(4) 232 000

2. How many tens make 780 000?

(1) 78
(2) 780
(3) 7 800
(4) 78 000

3. What is the sum of 12 ℓ 50 mℓ and 1 ℓ 8 mℓ?

(1) 13.058 ℓ
(2) 13.130 ℓ
(3) 13.300 ℓ
(4) 13.580 ℓ

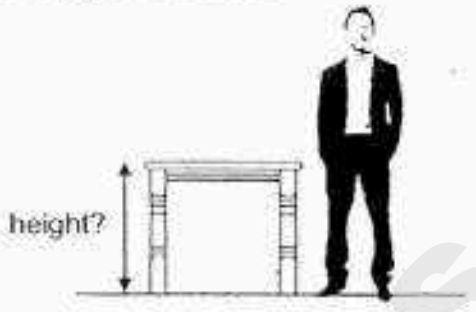
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4. The figure below shows a man standing next to a table.
Which of the following could be the height of the table?

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



5. Which of the following has the same value as $\frac{2}{5} \div 3$?

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

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

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

(4) $\frac{5}{2} \times \frac{3}{1}$

6. $66 - 30 \div 3 - 8 - 2 =$?
What is the missing number in the box?

(1) 6
(2) 2
(3) 46
(4) 50

(Go on to the next page)

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7. What is the value of 3 hundreds + 4 tens + 17 tenths?

(1) 350.7
(2) 341.7
(3) 340.17
(4) 304.17

8. Which one of the following shapes has more than one line of symmetry?

(1)



(2)



(3)



(4)



9. The ratio of the length of a rectangle to its breadth is 5 : 3.
The perimeter of the rectangle is 32 cm.
What is the length of the rectangle?

(1) 6 cm
(2) 10 cm
(3) 12 cm
(4) 20 cm

(Go on to the next page)

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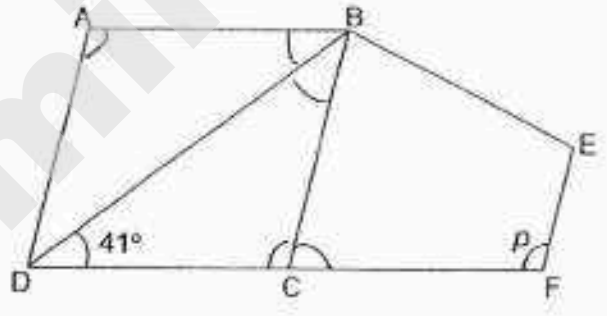
10. Express 0.7 as a percentage.

(1) 0.7%
(2) 7%
(3) 70%
(4) 700%

11. Express $2\frac{3}{25}$ as a decimal.

(1) 2.12
(2) 2.15
(3) 2.3
(4) 2.6

12. The figure below is made up of a rhombus ABCD and a trapezium BEFC. DCF is a straight line and $\angle BDC = 41°$. Find $\angle p$.



(1) 82°
(2) 98°
(3) 108°
(4) 139°

(Go on to the next page)

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13. 15 : 12 = 40 : ?

What is the missing number in the box?

(1) 37
(2) 32
(3) 8
(4) 4

14. What is the maximum number of 3-cm cubes that Matthias can cut from a styrofoam cuboid that measures 18 cm by 12 cm by 10 cm?

(1) 13
(2) 72
(3) 80
(4) 240

15. After spending $\frac{3}{7}$ of her money on a handbag, Mrs Ng had $384 left.

How much money did she have at first?

(1) $288
(2) $512
(3) $672
(4) $896

(Go on to Booklet B)

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HENRY PARK PRIMARY SCHOOL
2016 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 5

PAPER 1
(BOOKLET B)

Name: _____( )

Class: Primary 5_____

20

Total Time for Booklets A and B: 50 min

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

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

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

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Booklet B:
Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

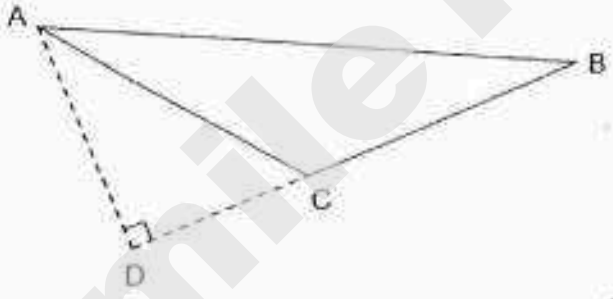
(10 marks)

Do not write in this space

16. Divide 14 040 by 20.

Ans: _____

17. In the figure below, given that AD is the height of the triangle ABC, what is its base?



Ans: _____

18. Express 11 m 2 cm in metres. Give your answer as a decimal.

Ans: _____ m

(Go on to the next page)

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19. Find the value of 4.037 x 300

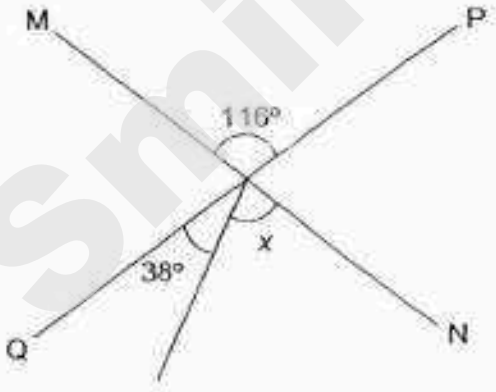
Do not write in this space

Ans: _____

20. Divide 1365 by 9. Round off your answer to 2 decimal places.

Ans: _____

21. In the figure below, MN and PQ are straight lines. Find ∠x.



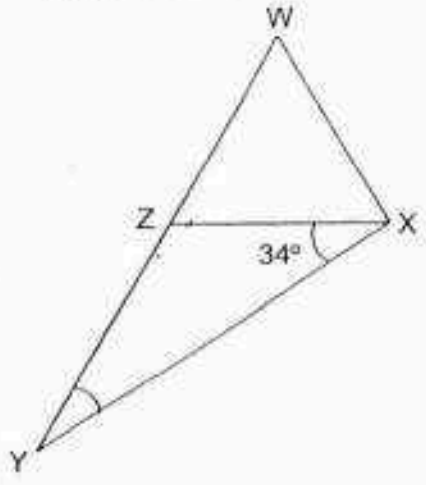
Ans: _____ °

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22. In the figure below, WXZ is an equilateral triangle and WZY is a straight line. $\angle YXZ = 34°$. Find $\angle WYX$.



Do not write in this space

Ans: _____ °

23. Jane has 4 different pieces of string measuring 20 cm, 18 cm, 10 cm and 12 cm. What is the average length of each piece of string?

Ans: _____ cm

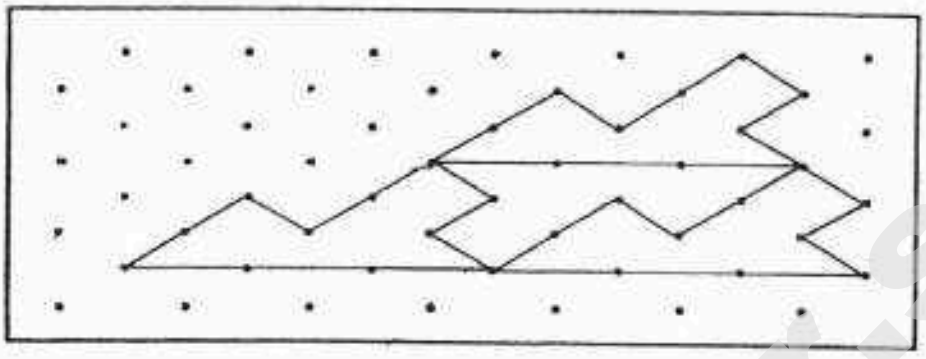
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24. The pattern in the box shows part of a tessellation. Extend the tessellation by drawing **two** more unit shapes in the space provided in the box.

Do not write in this space



25. The ratio of the mass of Box A to the mass of Box B is 1 : 3. The ratio of the mass of Box B to the mass of Box C is 9 : 5. Express the ratio of the mass of Box A to the mass of Box B to the mass of Box C.

Ans: _____

(Go on to the next page)

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Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

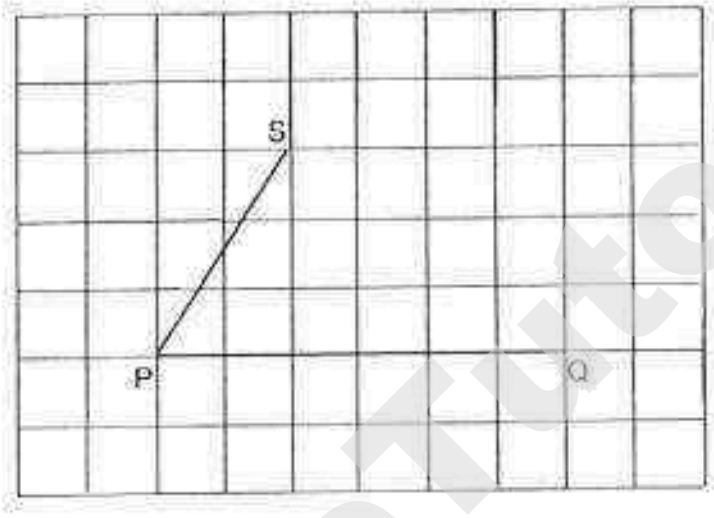
(10 marks)

Do not write in this space

26. PS and PQ form two sides of a trapezium PQRS. $\angle PQR = 90°$.

a) Complete the drawing of trapezium PQRS.

b) Measure and write down the size of $\angle SPQ$.



$\angle SPQ =$ _____ °

27. May and Sue spent a total of $345. Sue and Ted spent a total of $505. Ted spent thrice as much as May. How much money did May spend?

Ans: $_____

(Go on to the next page)

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28. 40% of the pupils in the hall are girls. There are 1047 boys. How many pupils are there altogether?

Do not write in this space

Ans: _____

29. Bryan had $\frac{4}{7}$ as much money as Candy at first. When Candy gave $45 to Bryan, they had the same amount of money. How much money did Bryan have at first?

Ans: $ _____

30. Charmaine mixed 0.55 ℓ of sugar syrup with 1.85 ℓ of water. The mixture is then poured into bottles of 700 mℓ each. How much mixture is left over? Express your answer in millilitres.

Ans: _____ mℓ

End of Paper

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HENRY PARK PRIMARY SCHOOL
2016 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 5

PAPER 2

Name: _____ ( )

Class: Primary 5_____

60

Time for Paper 2: 1 h 40 min

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

Follow all instructions carefully.

Answer all questions.

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

Write your answers in this booklet.

You are allowed to use a calculator.

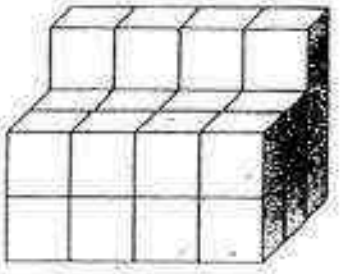
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Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the space provided. For questions which require units, give your answers in the units stated.

(10 marks)

1. The figure below is made up of cubes of sides 1 cm. How many **more** 1-cm cubes are needed to form a large cube of side 4 cm?

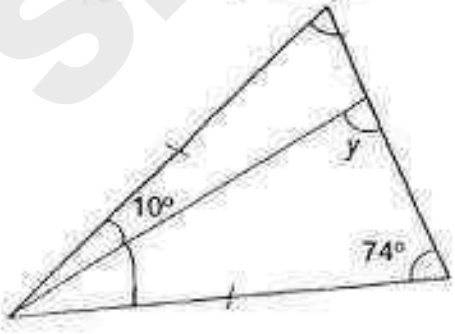


Ans: _____

2. Mary bought 3 packets of walnuts at $1.85 per packet and a packet of berries at $3.65. She gave the cashier a $50 note. How much change should she receive?

Ans: $_____

3. In the figure below, find $\angle y$.



Ans: _____°

Do not write in this space

(Go on to the next page)

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4. Mrs Tee paid a total of $216 for 3 identical belts and 3 identical dresses. Each dress cost 8 times as much as a belt. Find the difference in price between a dress and a belt.

Ans: $_____

5. Last year, 81 pupils participated in a Science quiz where there were gold, silver or bronze awards to be won. $\frac{2}{3}$ of the pupils won either a gold or silver award. 12 of them won bronze awards. How many pupils **did not** win any of the awards?

Ans: _____

(Go on to the next page)

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For questions 6 to 18, 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.

(50 marks)

6.



Ms Wong and 3 parent volunteers took a class of 30 children to the Trick-Your-Eyes Museum. What was the minimum cost of all the tickets to be bought?

Do not write in this space

Ans: _____ [4]

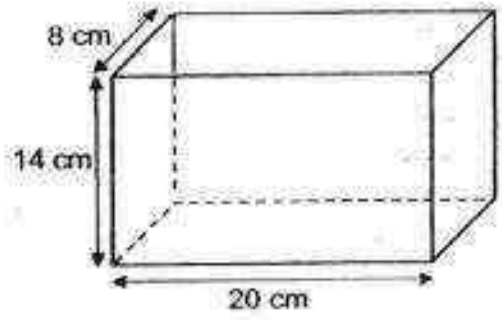
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7. Charlotte poured 5 cups of water into an empty rectangular tank as shown below. The volume of water in each cup was 25 cm^3. How much more water was needed to fill the tank to the brim?

Do not write in this space



Ans: _____ [3]

8. There were 120 apples and 120 oranges in a basket at first.
$\frac{3}{5}$ of the apples and $\frac{2}{3}$ of the oranges were used in a party.
(a) How many apples were used in the party?
(b) How many more oranges than apples were used in the party?

Ans: (a) _____ [2]

(b) _____ [2]

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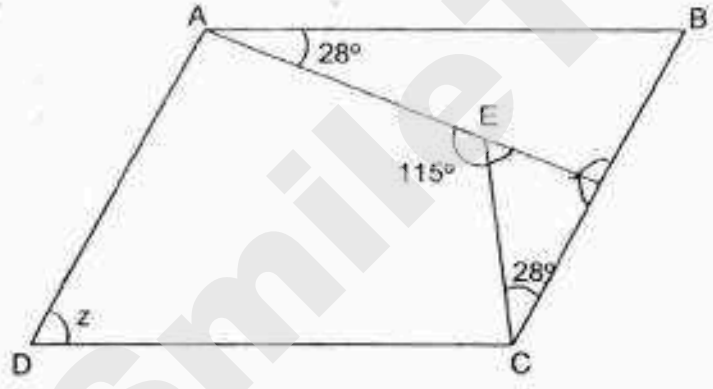
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9. Sally bought some sweets and chocolates. Each sweet cost \$0.20 and each chocolate cost \$0.50. She bought a total of 22 sweets and chocolates for \$5.60. How many sweets did she buy?

Do not write in this space

Ans: _____ [3]

10. In the figure below, ABCD is a parallelogram. Find $\angle z$.



Ans: _____ [4]

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11. Mr Ho gave a sum of money to his son and 5 daughters in the ratio 4 : 11. His son received $1800. Each of his daughters received an equal amount of money.
Find the difference between the sum of money received by his son and each of his daughters.

Do not write in this space

Ans: _____ [3]

(Go on to the next page)

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12. Richard and Sean had 60 sweets each. Richard gave 20% of his sweets to Sean. After receiving the sweets from Richard, Sean gave 50% of his total sweets to Tim. How many sweets had Sean left?

Do not write in this space

Ans: _____ [3]

(Go on to the next page)

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13. Mr Tan wanted to place pots of flowers at equal distance apart from each other along the perimeter of his square garden.
He placed a flower pot at each corner and an equal number of flower pots along each side of the square garden. He had 79 pots of flowers to use.

a) What was the maximum number of flower pots Mr Tan could use to place along the perimeter of the square garden?
b) How many flower pots would there be along each side of the square garden including the flower pots at the 2 corners?

Do not write in this space

Ans: a) _____ [2]

b) _____ [3]

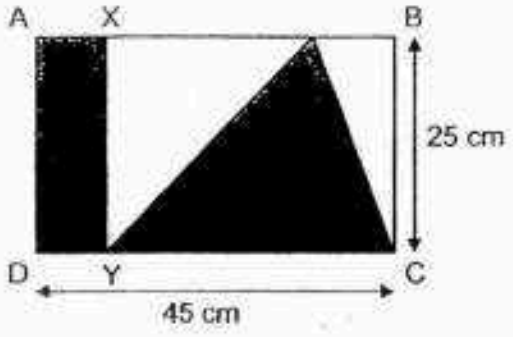
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14. The area of rectangle AXYD is $\frac{1}{5}$ of the area of the rectangle ABCD.

Find the area of the shaded parts.



Do not write in this space

Ans: _____ [3]

(Go on to the next page)

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15. In a theatre, $\frac{4}{9}$ of the audience were adults. $\frac{1}{4}$ of the adults were women. There were 160 fewer men than children in the theatre.

Do not write in this space

a) What fraction of the audience were men?
Give your answer in its simplest form.

b) What was the total number of women and children in the theatre?

Ans: a) _____ [2]

b) _____ [3]

(Go on to the next page)

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16. Chadrick was training for a swimming competition.
On Day 1 of his training, he swam 600 m.
On Day 2, he swam 0.1 km more than Day 1.
For each subsequent training session, he swam a distance of 0.1 km more than the previous training session.

Do not write in this space

a) On Day 5 of his training session, how far did he swim?
Give your answer in metres.

b) On which day did he swim a distance of 3 km?

Ans: (a)_____ [2]

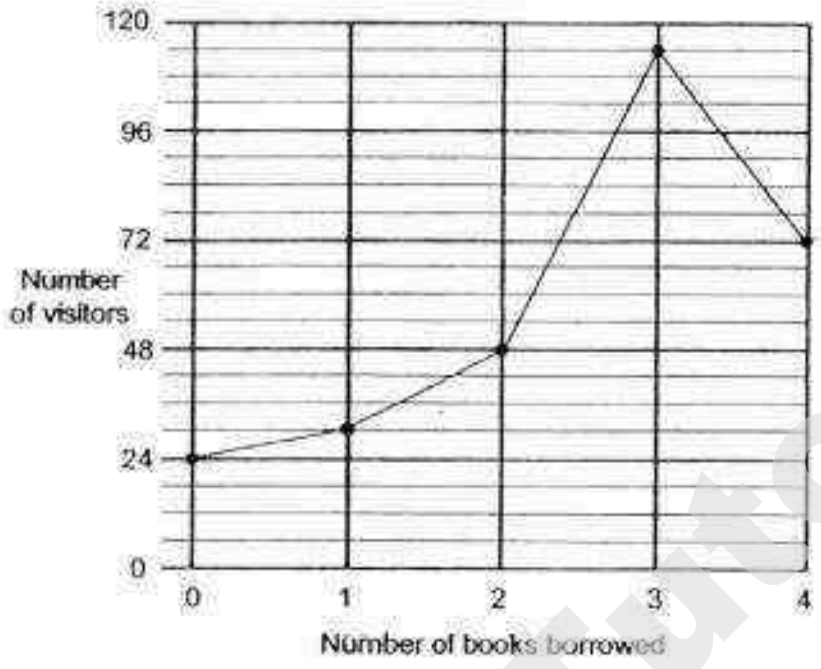
(b) Day _____ [3]

(Go on to the next page)

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17. The graph below shows the number of books borrowed by visitors at a Community Library on a Sunday.



a) How many visitors visited the Community Library that Sunday?

b) What was the average number of books borrowed by each visitor that Sunday? Give your answer to the nearest whole number.

Do not write in this space

Ans: a) _____ [1]

b) _____ [3]

(Go on to the next page)

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18. Mr Soh paid a total of $4500 for a cabinet and a refrigerator after a discount of 40%. The ratio of the original price of the cabinet to the original price of the refrigerator was 1 : 2.
Find the original price of the refrigerator before the discount.

Do not write in this space

Ans: _____ [4]

-END OF PAPER-

Setters: Mrs Josephine Lai, Ms Yew Hew Mei, Ms Grace Chan, Mr Yip Yew Fei

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YEAR : 2016
LEVEL : PRIMARY 5
SCHOOL : HENRY PARK PRIMARY
SUBJECT : MATHEMATICS
TERM : SA2

Paper 1

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

Q16 702

Q17 BC

Q18 11.02 m

Q19 1211.1

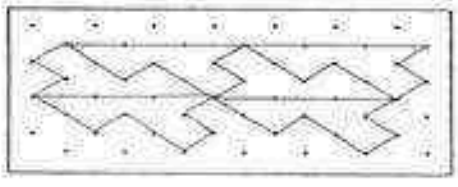
Q20 151.67

Q21 $116° - 38° \Rightarrow 78°$

Q22 $180 \div 3 = 60$
$60 + 34 = 94$
$94 + 60 = 54$
$180 - 154 \Rightarrow 26°$

Q23 $20 + 18 + 10 + 12 = 60$
$60 \div 4 \Rightarrow 15$ cm

Q24

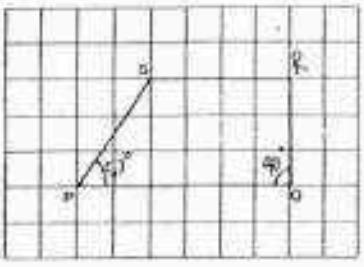


Q25 3 : 9 : 5

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Q26a



Q26b ∠SPQ = 57°

Q27 505 – 345 → 160
160 ÷ 2 ⇒ $80

Q28 60 % → 1047
1 % → 1047 ÷ 60 = 17.45
100 % → 17.45 x 100 ⇒ 1745 pupils

Q29 45 ÷ 3 → 15
15 x 8 ⇒ $120

Q30 0.55 + 1.85 → 2.40
2400 ÷ 700 = 3R30 ⇒ 300 mℓ

Paper 2

Q1 4 x 4 x 4 → 64
64 – 28 ⇒ 36

Q2 1.85 x 3 → 5.55
50 – 5.55 – 3.65 ⇒ $40.80

Q3 180° - 10° - 74° → 96°
180° - 96° ⇒ 84°

Q4 216 ÷ 3 = 72
72 ÷ 9 = 8
8 x 7 ⇒ $56

Q5 81 ÷ 3 → 27
27 – 12 ⇒ 15 pupils

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Q6 $30 - 6 = 24$
$24 \times 20 = 480$
$25 \times 4 = 100$
$20 \times 6 = 120$
$100 + 120 = 220$
$220 - 20 = 200$
$200 + 480 \Rightarrow \$680$

Q7 $20 \times 14 \times 8 = 2240$
$5 \times 25 = 125$
$2240 - 125 \Rightarrow 2115\ cm^3$

Q8a $120 \div 15 \rightarrow 8$
$8 \times 9 \Rightarrow 72$ apples

Q8b $8 \times 10 \rightarrow 80$
$80 - 72 \Rightarrow 8$ oranges

Q9 $0.20 \times 22 = 4.4$
$5.60 - 4.4 = 1.2$
$1.2 \div 0.3 = 4$
$22 - 4 \Rightarrow 18$ sweets

Q10 $180° - 115° = 65°$
$180° - 28° - 65° = 87°$
$180° - 87° = 93°$
$180° - 28° - 93° \Rightarrow 59°$

Q11 $1800 \div 4 = 450$
$450 \times 11 = 4950$
$4950 \div 5 = 990$
$1800 - 990 \Rightarrow \$810$

Q12 $12 \div 2 = 6$
$60 \div 10 = 6$
$6 \times 6 \Rightarrow 36$ sweets

Q13a $79 \div 4 \rightarrow 19.75$
$19 \times 4 \Rightarrow 76$ flower pots

Q13b $76 - 4 = 72$
$72 \div 4 = 18$
$18 + 2 \Rightarrow 20$ flower pots

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Q14 $45 \times 25 = 1125$
$1125 \div 5 = 225$
$225 \div 25 = 9$
$45 - 9 = 36$
$\frac{1}{2} \times 36 \times 25 = 450$
$450 + 225 \Rightarrow \underline{675\ cm^2}$

Q15a $\frac{3}{9} \div 3 \Rightarrow \frac{1}{3}$

Q15b $5u - 3u = 2u$
$2u = 160$
$1u = 160 \div 2 = 80$
$80 \times 5 = 400$
$400 + 80 \Rightarrow \underline{480}$

Q16a $0.1\ km = 100\ m$

Day 2 → 600 + 100 = 700
Day 3 → 700 + 100 = 800
Day 4 → 800 + 100 = 900
Day 5 → 900 + 100 ⇒ 1000 m

Q16b $3\ km = 3000\ m$

Day 6 → 1000 + 100 = 1100
↓ ↓ ↓
Day 25 → 2900 + 100 = 3000 m

Q17a $114 + 72 + 48 + 30 + 24 \Rightarrow \underline{288\ visitors}$

Q17b $(30 \times 1) + (48 \times 2) + (114 \times 3) + (72 \times 4) = 756$
$756 \div 288 = 2.625 \approx \underline{3\ books}$

Q18 $4500 \div 60 = 75$
$75 \times 100 = 7500$
$7500 \div 3 = 2500$
$2500 \times 2 \Rightarrow \underline{\$5000}$

End

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NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2016

PRIMARY 5

MATHEMATICS

PAPER 1

DURATION: 50 MINUTES

Booklet A	/ 20
Booklet B	/ 20

Paper 1 Total: / 40

Name: _____ ( )

Class: Primary 5 ( )

Date: 26 October 2016

Any query on marks awarded should be raised by 4 November 2016. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

YOU ARE **NOT** ALLOWED TO USE A CALCULATOR.

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PAPER 1 (BOOKLET A)

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

(20 marks)

---

1 Round off 2 806 517 to the nearest thousand.

(1) 2 800 000

(2) 2 806 000

(3) 2 807 000

(4) 2 810 000

2 Find the value of 2090 + 10 x 1000.

(1) 0.209

(2) 2.09

(3) 20 900

(4) 209 000

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3 Find the value of $\frac{5}{6} + \frac{1}{9}$.

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

(2) $\frac{6}{15}$

(3) $\frac{13}{18}$

(4) $\frac{17}{18}$

4 Find the value of $\frac{2}{3} \div 4$.

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

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

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

(4) 6

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5 Find the value of $30.8\dot{2} \times 100$.

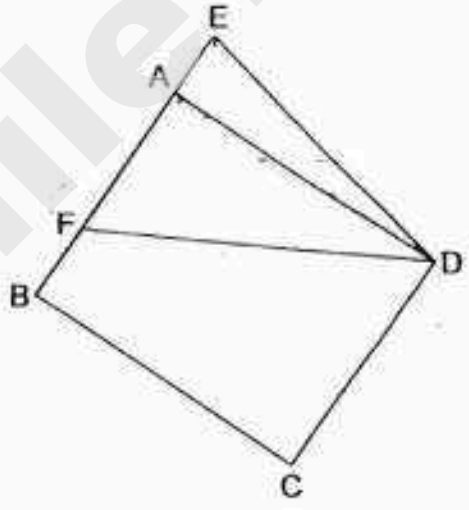
(1) 0.3082

(2) 3.082

(3) 308.2

(4) 3082

6 In the figure below, ABCD is a rectangle and DEF is a triangle. The points B, F, A and E lie on a straight line. What is the height of triangle DEF given that its base is EF?



(1) AD

(2) DF

(3) BE

(4) DE

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7 Which one of the following is not an equivalent ratio of 6 : 42?

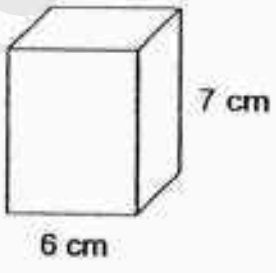
(1) 1 : 6

(2) 1 : 7

(3) 2 : 14

(4) 3 : 21

8 A solid cuboid of height 7 cm has a square base of side 6 cm. What is its volume?



(1) 212 cm^3

(2) 223 cm^3

(3) 252 cm^3

(4) 294 cm^3

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9 Which one of the following is the same as 6050 cm^3?

(1) 0.605 *l*

(2) 6.05 *l*

(3) 6050 *l*

(4) 6 050 000 *l*

10 Mrs Wong bought 2 books. The original price of each book was $50. She was given 10% discount on the first book and 25% discount on the second book. How much did she pay for the 2 books altogether?

(1) $17.50

(2) $32.50

(3) $65

(4) $82.50

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11 Arrange the fractions below in increasing order.

$$\frac{6}{3}, \frac{3}{4}, \frac{5}{3}, 1\frac{1}{2}$$

(1) $1\frac{1}{2}, \frac{6}{3}, \frac{5}{3}, \frac{3}{4}$

(2) $\frac{6}{3}, \frac{5}{3}, 1\frac{1}{2}, \frac{3}{4}$

(3) $\frac{3}{4}, 1\frac{1}{2}, \frac{5}{3}, \frac{6}{3}$

(4) $\frac{3}{4}, \frac{5}{3}, 1\frac{1}{2}, \frac{6}{3}$

12 The total surface area of a cube is 150 m^2. Find its volume.

(1) 5 m^3

(2) 25 m^3

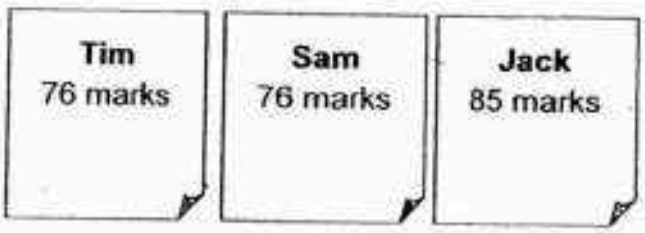
(3) 125 m^3

(4) 900 m^3

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13 Tim, Sam and Jack sat for a test. Tim and Sam scored 76 marks each. Jack scored 85 marks. Find the average mark scored by the 3 children.



(1) 53

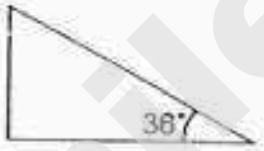
(2) 79

(3) 81

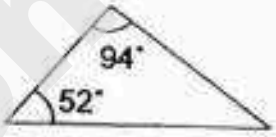
(4) 82

14 Which one of the following is an isosceles triangle?

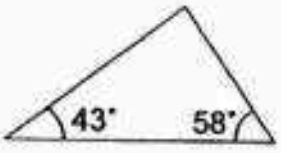
(1)



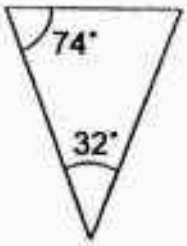
(2)



(3)



(4)



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15 There are three whole numbers, A, B and C. When the numbers are added two at a time, the sums are 27, 25 and 20 as shown below.

$$A + B = 27$$
$$A + C = 25$$
$$B + C = 20$$

What is the value of C?

(1) 11

(2) 9

(3) 7

(4) 4

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Name: _____ ( ) Class: Pr 5 ( )

P5 SA2 2016

PAPER 1 (BOOKLET B)

Questions **16** to **25** carry **1** mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

16 Find the value of $6 + 12 \div (8 - 2)$.

Ans: _____

---

17 Find the product of $\frac{3}{10}$ and $\frac{8}{9}$. Express your answer as a fraction in its simplest form.

Ans: _____

---

18 At a party, 10 out of 30 adults were men. There were 8 children at the party. Find the ratio of the number of children to the number of men to the number of women. Express your answer in its simplest form.

Ans: _____

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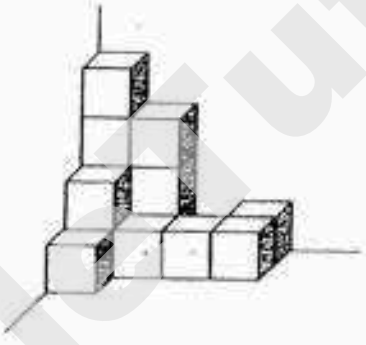
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19 Find the missing number in the box below.

$\square$: 36 = 7 : 9

Ans: _____

20 The figure below shows a solid formed by stacking identical cubes in the corner of a room. Find the number of cubes used to form the solid.



Ans: _____

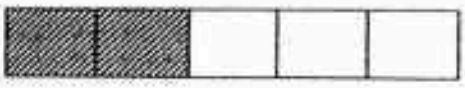
21 A rectangular tank measuring 5 m by 4 m by 7 m is half-filled with water. Find the volume of the water in the tank.

Ans: _____ m^3

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22 What percentage of the figure below is unshaded?



Ans: _____ %

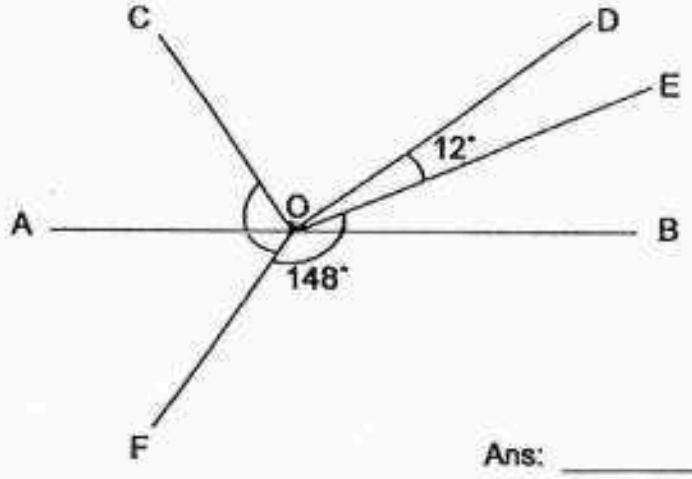
23 Express $\frac{3}{25}$ as a percentage.

Ans: _____ %

24 Find the value of 20% of 160 km.

Ans: _____ km

25 In the figure below, AOB is a straight line and CO is perpendicular to OD. ∠DOE = 12° and ∠EOF = 148°. Find ∠COF.



Ans: _____

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Questions **26** to **30** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

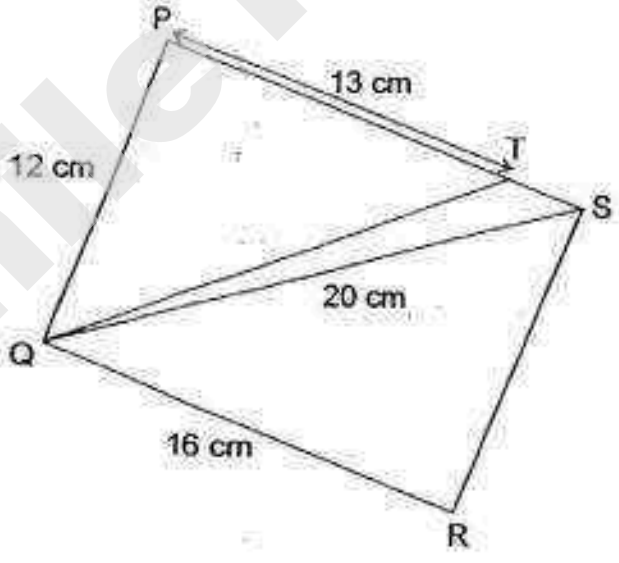
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26 What is 2260 g in kilograms?

Ans: _____ kg

---

27 In the figure below, PQRS is a rectangle measuring 16 cm by 12 cm. QS = 20 cm and PT = 13 cm. Find the area of triangle QST.

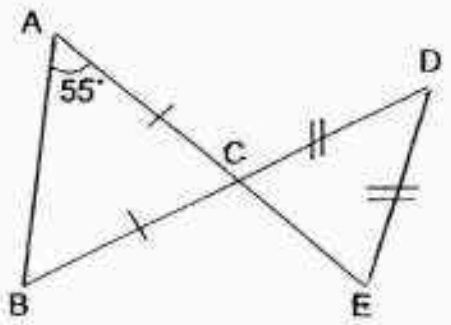


Ans: _____ cm^2

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28 In the figure below, ACE and BCD are straight lines. AC = BC, CD = ED and ∠CAB = 55°. Find ∠CED.



Ans: _____

---

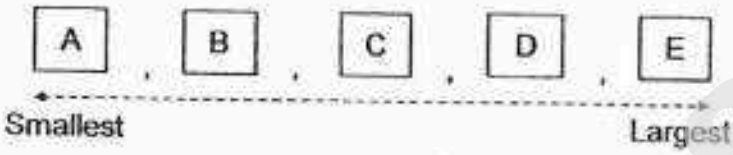
29 The actual masses of two metal boxes, A and B, are measured in hundredths. The mass of box A is rounded off to 13.6 kg and the mass of box B is rounded off to 16.8 kg. What is the greatest possible difference in the actual masses of these two boxes? Give your answer in kg.

Ans: _____ kg

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30 The boxes below represent 5 consecutive whole numbers arranged from the smallest to the largest. 11, 12, 13, 14, 15 is one example of 5 consecutive whole numbers arranged from the smallest to the largest. The sum of A, D and E is 106. Find the value of A.



Ans: _____

END OF PAPER

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NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2016

PRIMARY 5

MATHEMATICS

PAPER 2

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	/ 60
GRAND TOTAL	/ 100

Name: _____ ( )

Class: Primary 5 ( )

Date: 26 October 2016

Any query on marks awarded should be raised by 4 November 2016. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

YOU ARE ALLOWED TO USE A CALCULATOR.

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PAPER 2

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

(10 marks)

---

1 Faris used $1\frac{1}{12}$ litres of paint to paint a wall. How much paint did he use to paint 4 such walls? Express your answer as a mixed number in its simplest form.

Ans: _____ litres

---

2 A worker used 3 black tiles for every 5 white tiles on a floor. He used 63 black tiles. How many white tiles did he use?

Ans: _____

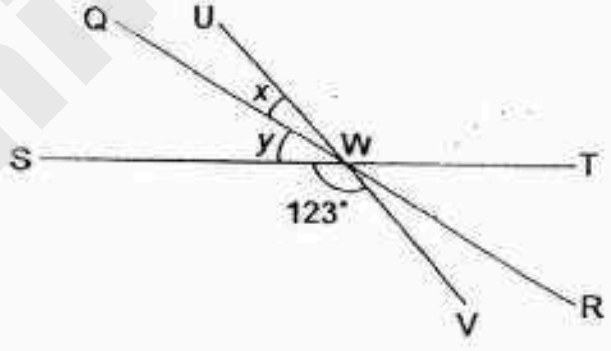
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3 There were 1284 children at a school hall. 963 of them were boys. What percentage of the children were girls?

Ans: _____ %

4 In the figure below, QWR, SWT and UWV are straight lines. $\angle x$ is half the size of $\angle y$ and $\angle SWV$ is 123°. Find $\angle x$.



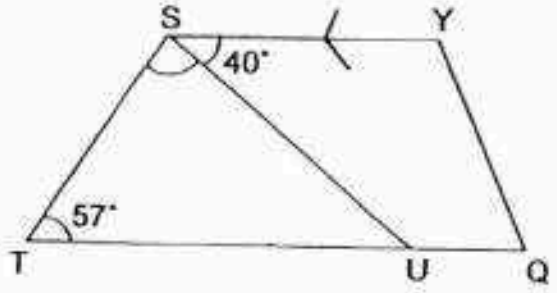
[1]

Ans: _____

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5 In the figure below, SYQT is a trapezium and SY is parallel to TQ. $\angle STU = 57^\circ$ and $\angle YSU = 40^\circ$. Find $\angle TSU$.



Ans: _____

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For questions **6** to **18**, 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.

(50 marks)

---

6 The length of rectangle ABCD is $10\frac{1}{3}$ m. Its breadth is $2\frac{1}{5}$ m shorter than its length. Find the perimeter of rectangle ABCD in metres. Express your answer as a mixed number in its simplest form.



Ans: _____ [3]

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7 The number of children who visited the National Museum was 6 times the number of adults. The number of boys was twice the number of girls. There were 60 fewer adults than girls. How many children visited the National Museum?

Ans: _____ [3]

---

8 A rectangular tank measuring 30 cm by 12 cm by 16 cm was completely filled with water. After some water was poured out from the tank, the height of the water decreased from 16 cm to 11 cm. How much water was poured out from the tank?

Ans: _____ [3]

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9 Mr Lee measured and recorded the mass of Ashley, Bala, Chin Hin and Dave. The average mass of these 4 children was 49 kg. The next day, Mr Lee realised that he had recorded Ashley's mass wrongly. Ashley's recorded mass was 8 kg more than her actual mass. What was the correct average mass of the 4 children?

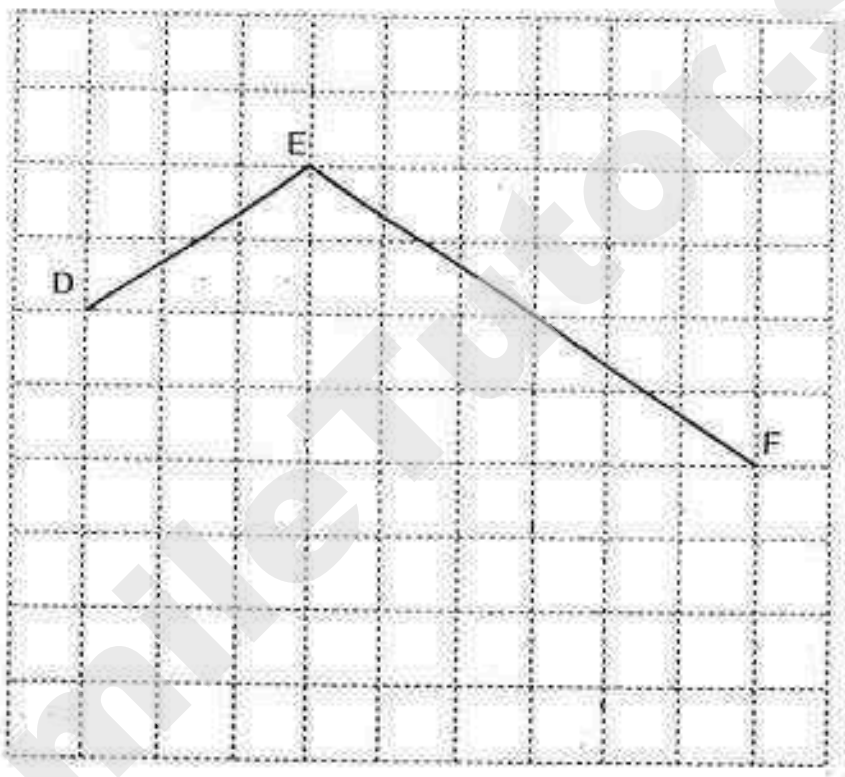
Ans: _____ [3]

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10 In the square grid below, DE and EF are straight lines.

(a) DE and EF form the two sides of a four-sided figure DEFG. EF is parallel to DG and EF= DG. Complete the drawing of the four-sided figure DEFG.



[2]

(b) Which one of the following is the special name given to the four-sided figure DEFG: parallelogram, rectangle, rhombus or trapezium?

Ans : (b) _____ [1]

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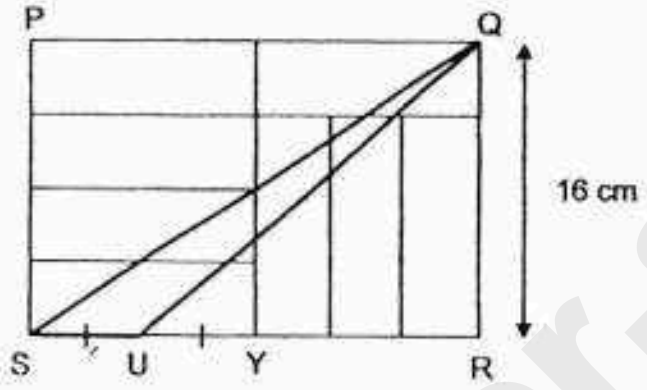
11 At first, Zhi Lie, Eva and Lisa had some sweets in the ratio 5 : 3 : 4 respectively. Zhi Lie had 190 sweets. Then he gave all his sweets to Eva and Lisa. After receiving the sweets from Zhi Lie, Eva and Lisa had the same number of sweets. How many sweets did Eva receive from Zhi Lie?

Ans: _____ [4]

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12 In the figure below, rectangle PQRS is made up of 8 identical rectangles. QR = 16 cm and SU = UY. Find the area of triangle SQU.



Ans: _____ [4]

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13 There were some red, blue and green beads in a box. $\frac{1}{9}$ of the beads were blue. The ratio of the number of red beads to the number of green beads was 3 : 5. There were 288 fewer blue beads than green beads.

(a) Find the ratio of the number of red beads to the number of blue beads to the number of green beads in the box.

(b) How many green beads were there?

Ans: (a) _____ [1]

(b) _____ [3]

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14 Mdm Asfa bought some egg tarts and cheese tarts. She paid a total of $168 for the tarts. 40% of the tarts bought were cheese tarts and the rest were egg tarts. Each egg tart cost $6 and each cheese tart cost $3. How many cheese tarts did she buy?

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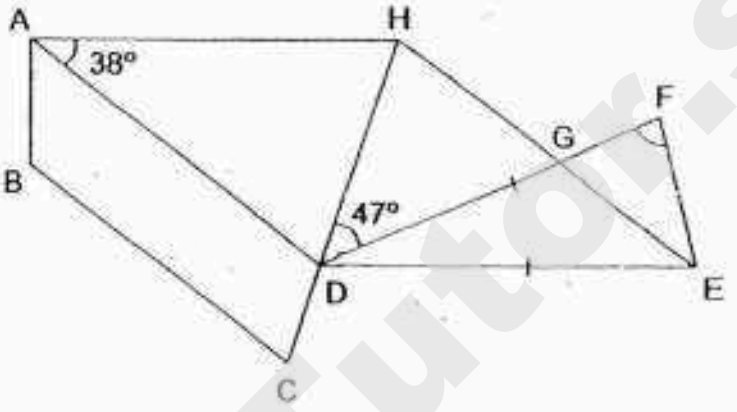
Ans: _____ [4]

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15 In the figure below, ABCD is a trapezium and ADEH is a rhombus. AD is parallel to BC and DE = DF. HDC and DGF are straight lines. $\angle DAH = 38°$ and $\angle GDH = 47°$.

(a) Find $\angle ADC$.

(b) Find $\angle DFE$.



Ans: (a) _____ [2]

(b) _____ [3]

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16 The table below shows the rates charged for the use of water in a country.

First 30 units	\$0.97 per unit
Next 30 units	\$1.12 per unit
After 60 units	\$2.00 per unit

(a) Mr Tan and his family used 30 units of water in January. How much did they pay for the usage of water in January?

(b) Mrs Sahin and her family paid \$162.70 for the usage of water in February. How many units of water did they use in February?

Ans: (a) _____ [1]

(b) _____ [4]

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17 Vera, Leroy and Tarita each donated some money to charity. The amount of money donated by Vera was $\frac{1}{2}$ of the total amount of money donated by Leroy and Tarita. The amount of money donated by Leroy was $\frac{1}{3}$ of the total amount of money donated by Vera and Tarita. Vera donated $168. How much did Leroy donate?

Ans: _____ [4]

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18 A rectangular tank measuring 48 cm by 18 cm by 26 cm was filled with 18.8 litres of water as shown in the Figure 1. When three identical wooden blocks were put into the tank, 794 ml of water overflowed from the tank as shown in Figure 2. Find the volume of one such wooden block.

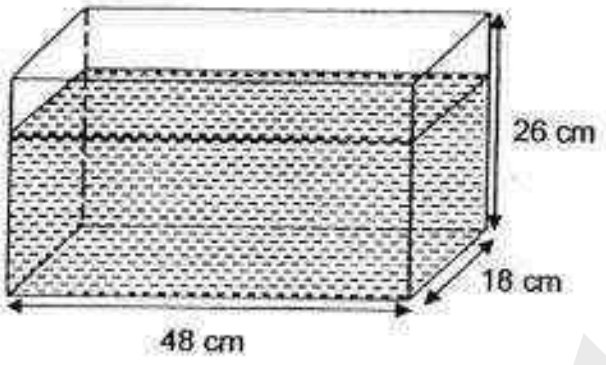


Figure 1

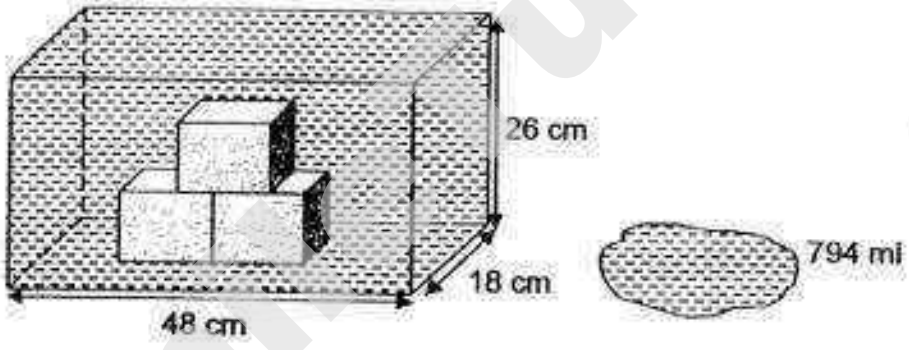


Figure 2

Ans: _____ [5]

END OF PAPER

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YEAR : 2016
LEVEL : PRIMARY 5
SCHOOL : NANYANG PRIMARY
SUBJECT : MATHEMATICS
TERM : SA2

Paper 1

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

Q16 8

Q17 $\frac{4}{15}$

Q18 Women → 30 – 10 = 20

C	:	M	:	W
8	:	10	:	20
4	:	5	:	10

Q19 28

Q20 14

Q21 5 x 4 x 7 → 140
140 ÷ 2 ⇒ 70 m³

Q22 60 %

Q23 12 %

Q24 32 km

Q25 110°

Q26 2.26 kg

Q27 16 – 13 = 3
$\frac{1}{2}$ x 3 x 12 ⇒ 18 cm²

Q28 55° + 55° → 110°
180° - 110° ⇒ 70°

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Q29 $13.6 \approx 13.55$
$16.8 \approx 16.85$
$16.84 - 13.55 \Rightarrow$ 3.29 kg

Q30 33 + 36 + 37 = 106

Paper 2

Q1 $1\frac{1}{12} \times 4 \Rightarrow 4\frac{1}{3}$ litres

Q2 $63 \div 3 \rightarrow 21$
$21 \times 5 \Rightarrow$ 105 white tiles

Q3 $1284 - 963 = 321$
$\frac{321}{1284} \times 100\ \% \Rightarrow$ 25 %

Q4 $180° - 123° \rightarrow 57°$
$57° \div 3 \Rightarrow$ 19°

Q5 $57° + 40° \rightarrow 97°$
$180° - 97° \Rightarrow$ 83°

Q6 $10\frac{1}{3}\ m - 2\frac{1}{5}\ m = 8\frac{2}{15}\ m$
$8\frac{2}{15}\ m \times 2 = 16\frac{4}{15}\ m$
$10\frac{1}{3}\ m \times 2 = 20\frac{2}{3}\ m$
$16\frac{4}{15}\ m + 20\frac{2}{3}\ m \Rightarrow 36\frac{14}{15}\ m$

Q7 A → 1u
G → 2u
1u → 60
4u + 2u = 6u
6u → 60 x 6 ⇒ 360 children

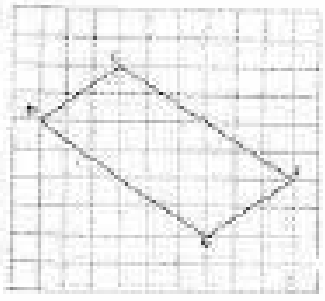
Q8 30 x 12 x 16 = 5750
30 x 12 x 11 = 3960
5760 – 3960 ⇒ 1800 ml

Q9 49 x 4 = 196
196 – 8 = 188
188 ÷ 4 ⇒ 47 kg

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Q10a



Q10b Parallelogram

Q11

Z	:	E	:	L
5u	:	3u	:	4u

5u → 190 (Z)
1u → 38
3u → 38 x 3 = 114 (E)
4u → 38 x 4 = 152 (L)
152 – 114 = 38
190 – 38 = 152
152 ÷ 2 = 76
76 + 38 ⇒ 114 sweets

Q12

16 ÷ 4 = 4
16 – 4 = 12
12 x 2 = 24
12 ÷ 2 = 6
$\frac{1}{2}$ x 6 x 16 ⇒ 48 cm^2

Q13a 3 : 1 : 5

Q13b

5 – 1 = 4
4u → 288
1u → 288 ÷ 4 = 72
5u → 72 x 5 ⇒ 360 green beads

Q14

C → 40 %
E → 100 % - 40 % = 60 %
3 x $6 = $18
$18 + $6 = $24
$168 ÷ $24 = 7
7 x 2 ⇒ 14 cheese tarts

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Q15a
$180° - 38° = 142°$
$142° \div 2 = 71°$
$180° - 71° \Rightarrow \underline{109°}$

Q15b
$71° - 47° = 24°$
$180° - 24° = 156°$
$156° \div 2 \Rightarrow \underline{78°}$

Q16a
$\$0.97 \times 30 \Rightarrow \underline{\$29.10}$

Q16b
$\$162.70 - \$29.10 = \$133.60$
$\$1.12 \times 30 = \$33.60$
$\$133.60 - \$33.60 = \$100.00$
$\$100.00 \div \$2 = 50$
$50 + 30 + 30 \Rightarrow \underline{110 \text{ units}}$

Q17
$\$168 \times 2 = \$336.00$
$\$336 + \$168 = \$504.00$
$\$504 \div 4 \Rightarrow \underline{\$126.00}$

Q18
Full → $26 \times 18 \times 48 = 22464$
Overflow → 794
$22464 - 794 = 21670$
$21670 - 18800 = 2870$
$2870 + 794 = 3664$
$3664 + 794 = 4458$
$4458 \div 3 \Rightarrow \underline{1486 \text{ cm}^3}$

End

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PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2

PRIMARY 5
MATHEMATICS PAPER 1
(BOOKLET A)

25 OCT 2016

Name: _____

Form Class / Register No. : 5L____ / ____

Banded Class / Register No. : 5M____ / ____

Total time for Booklets A and B: 50min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers on the Optical Answer Sheet (OAS) provided.
6. The use of calculator is **NOT ALLOWED**.

This booklet consists of 5 printed pages, excluding the cover page.

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Paper 1 (Booklet A)

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

You are <u>not</u> allowed to use a calculator. (20 marks)

---

1 Round off 789 549 to the nearest thousand.

(1) 789 000

(2) 789 550

(3) 790 000

(4) 800 000 ( )

2 In the number 89.76, which digit is in the tenths place?

(1) 6

(2) 7

(3) 8

(4) 9 ( )

3 Find the sum of $\frac{1}{2}$ and $\frac{1}{3}$.

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

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

(3) $\frac{5}{6}$

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

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4 Find the value of $\frac{1}{3} \div 6$

(1) 18

(2) 2

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

(4) $\frac{1}{18}$ ( )

5 The ratio of the cost of a guitar to the cost of a piano is 1 : 10. If the cost of the guitar is $200, what is the cost of the piano?

(1) $20

(2) $220

(3) $2000

(4) $2200 ( )

6 The height of Jason is 100 cm and the height of Irene is 120 cm. Find the ratio of Jason's height to Irene's height in the simplest form.

(1) 5 : 6

(2) 6 : 5

(3) 10 : 12

(4) 12 : 10 ( )

7 Express $\frac{2}{5}$ as a decimal

(1) 0.2

(2) 0.25

(3) 0.4

(4) 2.5 ( )

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8 What is the value of 0.03×200?

(1) 0.6

(2) 6

(3) 60

(4) 600 ( )

9 25% of the pupils in a class are boys. If there are 8 pupils in the class, how many girls are there in the class?

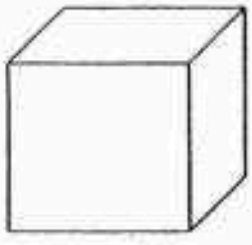
(1) 6

(2) 2

(3) 24

(4) 32 ( )

10 The figure below shows a cube with side of 7 cm.



Which one of the following is the volume of the cube?

(1) $7\ cm^3$

(2) $21\ cm^3$

(3) $49\ cm^3$

(4) $343\ cm^3$ ( )

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11 Find the value of $2 + (3 + 4) \times 6 - 4 \div 2$.

(1) 19

(2) 25

(3) 42

(4) 52 ( )

12 There are 160 cars and 240 vans at a car park. What fraction of the vehicles at the car park are vans?

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

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

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

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

13 The ratio of fiction books to non-fiction books on a shelf was 5 : 2. After 40 non-fiction books were added, the ratio of the number of fiction books to the non-fiction books on the shelf became 1 : 2. How many non-fiction books were there in the end?

(1) 10

(2) 20

(3) 25

(4) 50 ( )

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14 The mass of Box A and Box B is 0.6 kg. The mass of Box A and Box C is 1.3 kg. Box C is 3 times as heavy as Box B. Find the mass of Box A.

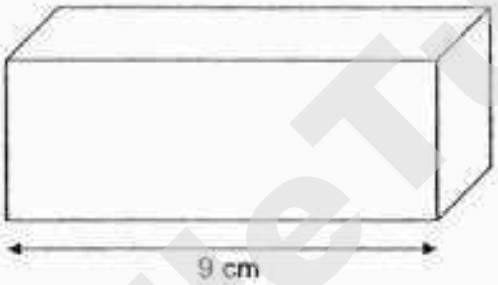
(1) 0.25 kg

(2) 0.29 kg

(3) 0.30 kg

(4) 0.35 kg

15 The figure below shows a rectangular cuboid. The volume of the cuboid is 108 cm^3 and its length is 9 cm.



Which one of the followings are the possible breadth and height of the cuboid?

	Breadth	Height
(1)	3 cm	3 cm
(2)	3 cm	4 cm
(3)	6 cm	6 cm
(4)	9 cm	9 cm

-- End of Booklet A --

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PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2

PRIMARY 5
MATHEMATICS PAPER 1
(BOOKLET B)

25 OCT 2016

Parent's signature

Name: _____

Form Class / Register No. : 5L_____ / _____

Banded Class / Register No. : 5M_____ / _____

Total time for Booklets A and B: 50min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write all your answers in this booklet.
6. The use of calculator is **NOT ALLOWED**.

Marks (Booklet A) :	20
Marks (Booklet B) :	20
Total Marks (Booklets A and B) :	40

This booklet consists of 6 printed pages, excluding the cover page.

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

16 What is two million, six thousand and nine in numeral?

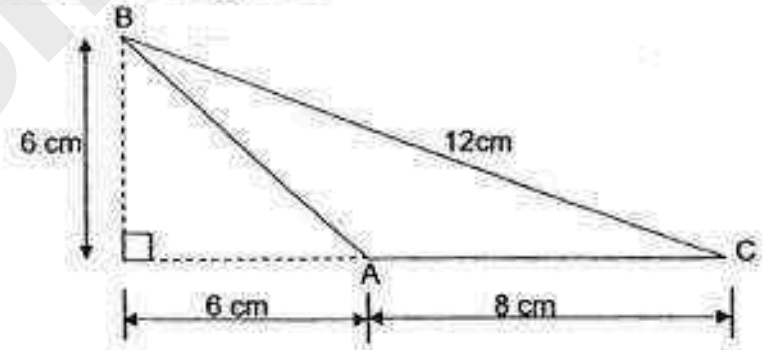
Ans:

17 John took 3 h to paint $\frac{4}{5}$ of a room.

How long would he take to paint $\frac{1}{5}$ of the same room?

Ans:_____h

18 Find the area of the triangle ABC.



Ans:_____cm^2

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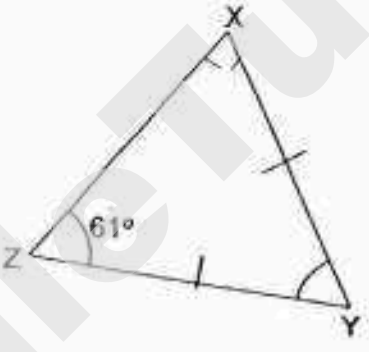
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19 The cost of a drum is twice the cost of 2 flutes.
Find the ratio of the cost of a drum to the cost of a flute.

Do not write in this space.

Ans: _____

20 The figure below shows an isoceles triangle XYZ.
Given $\angle XZY = 61°$, find $\angle XYZ$.



Ans: _____ °

21 1.02 *l* = _____ m*l*

Ans: _____ ml

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22 Express $\frac{4}{5}$ as a percentage.

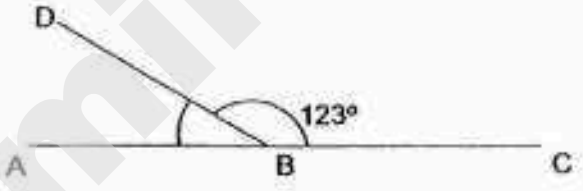
Do not write in this space.

Ans: _____ %

23 The mass of a papaya is 350 g and the mass of 2 kiwi fruits is 250 g. Find the average mass of the 3 fruits.

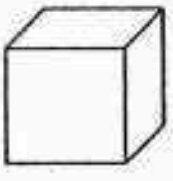
Ans: _____ g

24 ABC is a straight line and ∠ DBC = 123°.
Find ∠ ABD.



Ans: _____ °

25 Find the length of the cube if the area of one of its faces is 400 cm².



Ans: _____ cm

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Questions **26** to **30** carry 2 marks each. Show your working clearly and write your answers the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space.

26 Tom has $420 more than Jerry at first. For every $2 Tom saves, Jerry saves $5. Find the amount of money Jerry has saved when Jerry and Tom have the same amount of money.

Ans: $_____

27 Alvin spent $28 more than $\frac{2}{5}$ of his money on books. He was left with $44. How much did Alvin have at first?

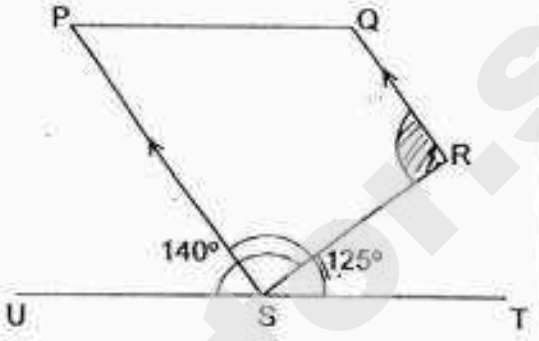
Ans: $_____

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28 Given PS is parallel to QR, ∠USR = 140° and ∠PST is 125°, find ∠SRQ.

Do not write in this space



Ans: _____ °

29 The length of a rectangular field is 110.6 m. Its breadth is 20.75 m shorter than its length. Find the distance covered by Johnny if he walks around the whole field once.

Ans: _____ m

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Do not write in this space.

30 Gabriel spent 40% of his money on a school bag. He spent $\frac{2}{5}$ of the remainder on some stationeries. What percentage of his money was left?

Ans: _____ %

END OF PAPER 1

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PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2

PRIMARY 5
MATHEMATICS
PAPER 2

25 OCT 2016

Parent's signature

Name: _____

Form Class / Register No. : 5L_____ / _____

Banded Class / Register No. : 5M_____ / _____

Total time: 1h 40min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write all your answers in this booklet.
6. The use of an approved calculator is expected, where appropriate.

Paper 1 :	40
Paper 2 :	60
Total Marks :	100

This booklet consists of 15 printed pages, excluding the cover page.

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

Do not write in this space

1 The ratio of the number of boys to the number of girls in a class was 1 : 1. After 3 boys were transferred out of the class to another school, the ratio of the number of boys to the number of girls became 4 : 5. How many children were there in the class at first?

Ans: _____

2 Can drinks are sold in packs of 3 and each pack costs $2.50. Find the most number of can drinks that can be bought with a $10 note if the can drinks are sold at a discount of 20%.



Ans: _____

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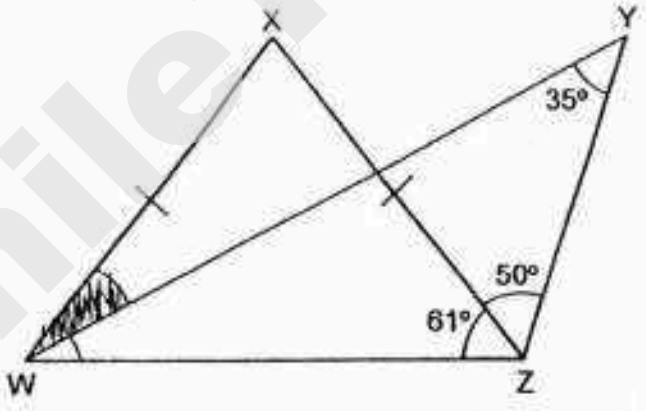
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3 The average height of Jane, Ian and Kelvin is 120 cm. Jane is 100 cm tall and Ian is 123 cm tall. Find the height of Kelvin.

Do not write in this space

Ans: _____ cm

4 The figure below is made up of two triangles, WXZ and WYZ.
WX = XZ, ∠WZX = 61°, ∠XZY = 50° and ∠WYZ = 35°
Find ∠XWY.



Ans: _____ °

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5 The capacity of a jug is twice the amount of apple juice in it. The apple juice is emptied and poured into 5 identical cups. The cups were fully filled to its brim and the capacity of each cup is 250 ml. Find the capacity of the jug in ml.

Do not write in this space

Ans: _____ ml

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For questions **6** to **18**, 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. (50 marks)

Do not write in this space

6 Adam has $135 less than Brian and Brian has $190 more than Celine. Adam and Celine have a total of $111.50. How much does Celine have?

Ans: _____ [3]

7 $\frac{3}{4}$ of Dylan's savings is equal to $\frac{2}{3}$ of Eric's savings. Dylan and Eric save a total of $408. Find Dylan's savings.

Ans: _____ [3]

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8 The ratio of the number of apples to the number of papayas is 2 : 3. The ratio of the number of papayas to the number of oranges is 2 : 3. There are a total of 3420 fruits. How many apples are there?

Do not write in this space

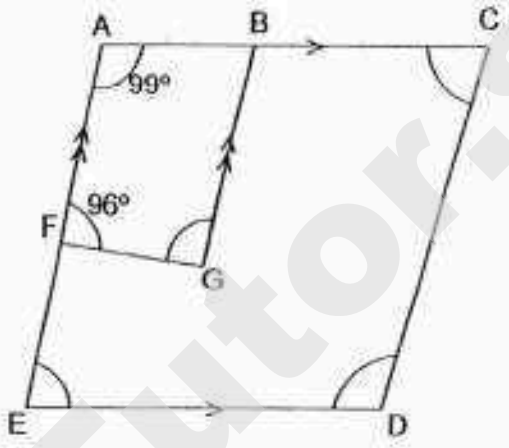
Ans: _____ [3]

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9 In the figure below, AC is parallel to ED and AF is parallel to BG. AFE is a straight line, ∠AFG = 96°, ∠FAB = 99° and the sum of ∠BCD and ∠DEF is 150°.

(a) Find ∠FGB.
(b) Find ∠EDC.



Do not write in this space

Ans: (a) _____ [1]

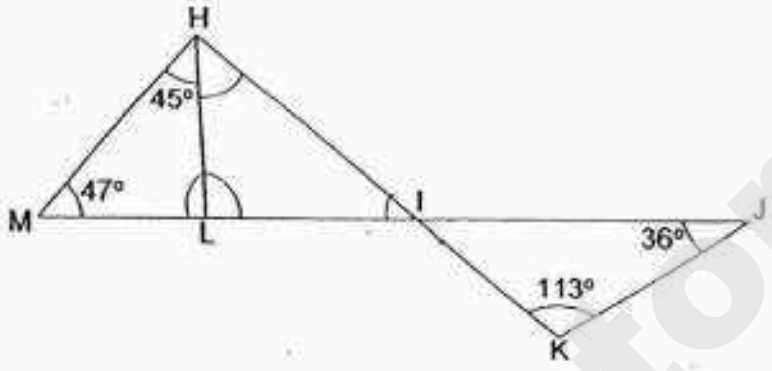
(b) _____ [2]

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10 In the figure below, HIK and MLIJ are straight lines.
$\angle HML = 47°$, $\angle MHL = 45°$, $\angle IJK = 36°$ and $\angle IKJ = 113°$.

(a) Find $\angle HLI$.
(b) Find $\angle LHI$.



Ans: (a)_____ [1]

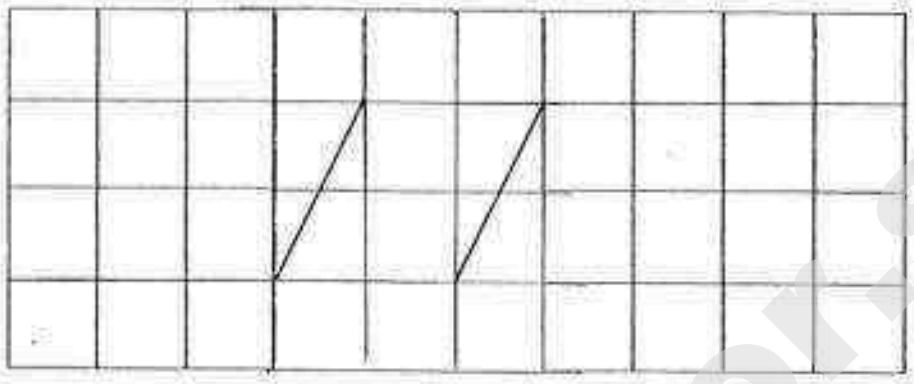
(b)_____ [2]

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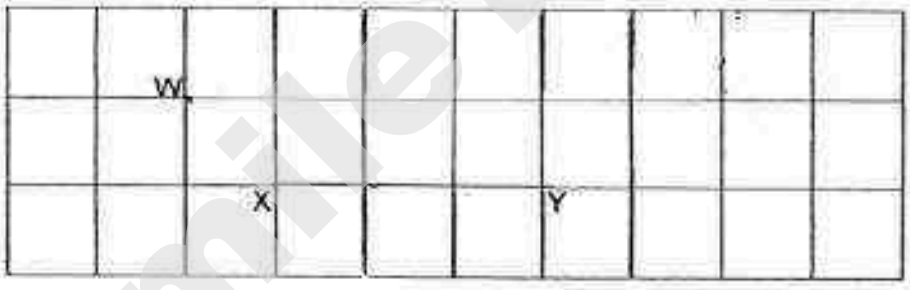
11 In the square grid below, a parallelogram has been drawn.

Do not write in this space



(a) In another similar square grid below, draw and label a trapezium WXYZ which has the same area as the parallelogram above.

[2]



(b) Measure and write down the value of ∠WXY.

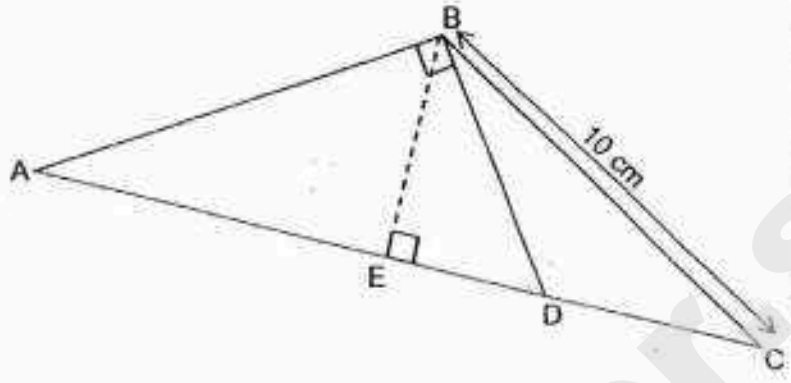
Ans: (b) _____ [1]

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12 The figure below shows a triangle ABC. The ratio of the length AB to the length BD to the length BC is 4 : 3 : 5. The length BC is 10 cm.

Do not write in this space



(a) Find the area of triangle ABD.

(b) In triangle BCD, if BE is the height, which is the base?

Ans: (a)_____ [2]

(b)_____ [1]

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13 The mass of 10 cherries in a basket is 0.5 kg. The mass of 35 cherries in an identical basket is 1.05 kg

(a) Find the exact mass of a cherry in grams.

(b) Find the mass of the empty basket in grams.

Do not write in this space

Ans: (a)_____ [2]

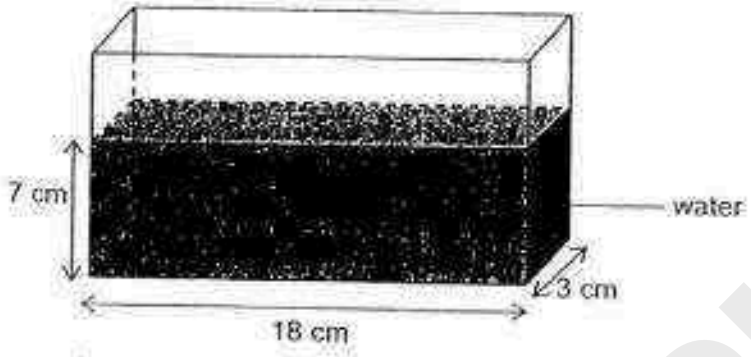
(b)_____ [2]

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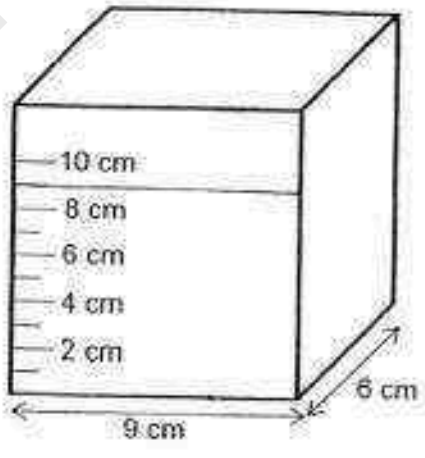
14 The figure below shows a rectangular container. It is $\frac{3}{5}$ filled with water. The length of the container is 18 cm and its breadth is 3 cm.

Do not write in this space



(a) Find the capacity of the container in litres.

(b) All the water in the rectangular container is poured into another container as shown below. Draw a line on the container to represent the water level of the amount of water in it. [2]



Ans: (a)_____ [2]

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15 The number of red balls is twice the number of blue balls. The number of blue balls is 10 more than the number of green balls. The total number of balls is 142. The cost of each red ball is $2.50 and the cost of each green ball is $1.50. The total cost of all the balls is $251.

(a) Find the number of green balls.

(b) Find the cost of a blue ball.

Ans: (a)_____ [2]

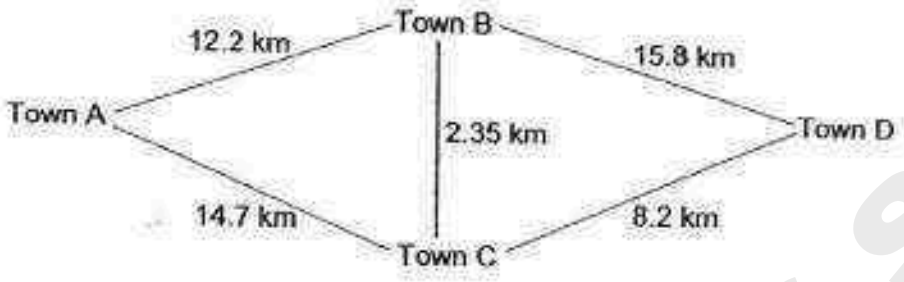
(b)_____ [3]

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16 The diagram below, not drawn to scale, shows the distances between 4 towns.

Do not write in this space



(a) Ethan travels from Town A to Town B and then to Town D. Find the distance he has travelled in metres.

(b) The cost of petrol consumption for every km travelled is 60 cents. Find the cost of the petrol consumption to travel from Town B to Town C.

(c) Find the shortest distance to travel from Town A to Town D. Leave your answer in km and m.

Ans: (a)_____ [1]

(b)_____ [2]

(c)_____ [2]

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17 The number of cows in a farm was 60% of the number of goats. After 80 goats were taken out of the farm, the number of goats became 60% of the number of cows in the farm.

Do not write in this space

(a) How many cows were there in the farm?

(b) What percentage of the goats were moved out of the farm?

Ans: (a) _____ [3]

(b) _____ [2]

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18 Sam runs 100 metres for 5 times. The average time taken for his first three runs is 14.5 seconds. He aims to have an average timing of 12.8 seconds for his five runs.

Do not write in this space

(a) What is the average time he needs to take for his 4th and 5th run in order to achieve his aim?

(b) If he runs 3 seconds faster in one of the five runs, what would be his average time for the five runs?

Ans: (a)_____ [3]

(b)_____ [2]

- End of Paper 2 -

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YEAR : 2016
LEVEL : PRIMARY 5
SCHOOL : PEI HWA PRESBYTERIAN PRIMARY
SUBJECT : MATHEMATICS
TERM : SA2

Paper 1

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

Q16 2 006 009

Q17 $\frac{3}{4}$ h

Q18 24 cm^2

Q19 4 : 1

Q20 $61° \times 2 \rightarrow 122°$
$180° - 122° \Rightarrow 58°$

Q21 1020 ml

Q22 80 %

Q23 $350 + 250 \rightarrow 600$
$600 + 3 \Rightarrow 200$ g

Q24 57°

Q25 20 cm

Q26 Diff $\rightarrow 5 - 2 = 3$
$420 \div 3 = 140$
$140 \times 5 \Rightarrow \$700$

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Q27

$\frac{5}{5}$ Total

↙ ↘

books left

$\frac{2}{5}$ + \$28 $\frac{3}{5}$ - \$28 (\$44)

$\frac{3}{5}$ of M → 44 + 28 = 72

$\frac{1}{5}$ of M → 72 ÷ 3 = 24

$\frac{5}{5}$ of M → 24 x 5 ⇒ \$120

Q28 ∠RST → 180° - 140° = 40°
∠PSR → 125° - 40° = 85°
∠SRQ → 180° - 85° ⇒ 95°

Q29 B → 110.6 – 20.75 = 89.85
2B → 89.85 + 89.85 = 179.70
2L → 110.6 + 110.6 = 221.20
Total → 221.20 + 179.70 ⇒ 400.90 m

Q30 $\frac{2}{5} \times \frac{3}{5} = \frac{6}{25}$ (stationeries)

$\frac{25}{25} - \frac{10}{25} - \frac{6}{25} = \frac{9}{25}$

$\frac{9 \times 4}{25 \times 4} \rightarrow \frac{36}{100} \Rightarrow 36\ \%$

Paper 2

Q1 1u → 3
5u + 5u = 10u
10u → 10 x 3 ⇒ 30 children

Q2 $\frac{20}{100} \times 2.5 = 0.5$
2.5 – 0.5 = 2.0
10 ÷ 2 = 5
5 x 3 ⇒ 15 can drinks

Q3 Total height → 120 x 3 = 360
Kelvin → 360 – 100 – 123 ⇒ 137 cm

Q4 61° + 50° = 111°
∠ZWY → 180° - 111° - 35° = 34°
∠XWY → 61° - 34° ⇒ 27°

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Q5 Total capacity of 5 cups → 250 x 5 = 1250
Capacity of jug → 1250 x 2 ⇒ 2500 ml

Q6 190 – 135 = 55
2u → 111.50 – 55 = 56.50
1u → 56.50 ÷ 2 ⇒ $28.25

Q7 $\frac{3\times2}{4\times2}$ of D → $\frac{2\times3}{3\times3}$ of E
$\frac{6}{8}$ of D → $\frac{6}{9}$ of E
8u + 9u = 17u
17u → 408
1u → 408 ÷ 17 = 24
8u → 24 x 8 ⇒ $192

Q8 Apple : Papaya & Papaya : Orange
2 : 3 2 : 3
x2 x3
4u : 6u 6u : 9u
A P O
Total: 4u 6u 9u → 19u
19u → 3420
1u → 3420 ÷ 19 = 180
4u → 180 x 4 ⇒ 720 apples

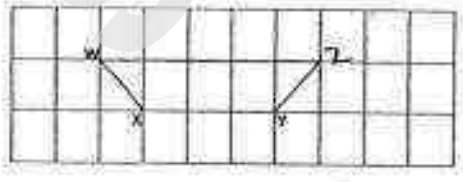
Q9a ∠FGB → 180° - 96° ⇒ 84°

Q9b ∠EDC → 360° - 99° - 150° ⇒ 111°

Q10a ∠MLH → 180° - 47° - 45° = 88°
∠HLI → 180° - 88° = 92°

Q10b ∠KIJ → 180° - 113° - 36° = 31°
∠LHI → 180° - 92° - 31° ⇒ 57°

Q11a



Q11b ∠WXY ⇒ 136°

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Q12a 5u → 10
1u → 10 ÷ 5 = 2
3u → 2 x 3 = 6 (BD)
AB → 2 x 4 = 8
∠ABD → $\frac{1}{2}$ x 8 x 6 ⇒ 24 cm²

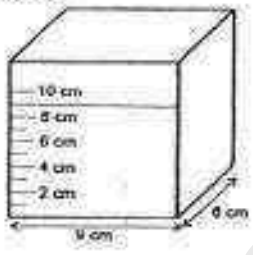
Q12b Base ⇒ DC

Q13a 25C → 1.05 – 0.5 = 0.55
1C → 0.55 ÷ 25 = 0.022 kg ⇒ 22 g

Q13b 10C → 0.022 x 10 = 0.22
B → 0.5 – 0.22 = 0.28 kg ⇒ 280 g

Q14a $\frac{3}{5}$ of T → 18 x 3 x 7 = 378
$\frac{1}{5}$ of T → 378 ÷ 3 = 126
Vol : $\frac{5}{5}$ of T → 126 x 5 = 630 ml ⇒ 0.63 ℓ

Q14b



Q15a 4u → 142 – 30 = 112
1u → 112 ÷ 4 ⇒ 28 green balls

Q15b Total no. of blue balls → 28 + 10 = 38
Total no. of red balls → 28 + 28 + 20 = 76
Total price of red balls → 76 x 2.50 = 190
Total price of green balls → 28 x 1.50 = 42
190 + 42 = 232
251 – 232 = 19
Cost of 1 blue ball → 19 ÷ 38 ⇒ $0.50

Q16a 12.2 + 15.8 → 28
28 km ⇒ 28000 m

Q16b 2.35 x 0.6 ⇒ $1.41

Q16c Shortest distance → 12.2 + 2.35 + 8.2 = 22.75 km ⇒ 22km 750m

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Q17a

AF		Chg	End	
C	: G	G-18	C	: G
3	: 5		5	: 3
x 5			x 3	
15u	: 25u		15u	: 9u

16u

16u → 80

1u → 80 ÷ 16 = 5

15u → 15 x 5 ⇒ 75 cows

Q17b 25u → 25 x 5 = 125

$\frac{80}{125}$ x 100 % ⇒ 64 %

Q18a First three runs → 14.5 x 3 = 43.5

Five runs → 12.8 x 5 = 64

Total time for 4th & 5th run → 64 – 43.5 = 20.5

Average time → 20.5 ÷ 2 ⇒ 10.25 seconds

Q18b 64 – 3 → 61

Average time → 61 ÷ 5 ⇒ 12.2 seconds

End

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20

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

Name: _____ ( )

Form Class: P5 _____ Math Teacher: _____

Date: 26 Oct 2016 Duration: 50 min

Your Paper 1 Score (Out of 40 marks)	
Your Paper 2 Score (Out of 60 marks)	
Your Total Score (Out of 100 marks)	
Parent's Signature	

INSTRUCTIONS TO CANDIDATES

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

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

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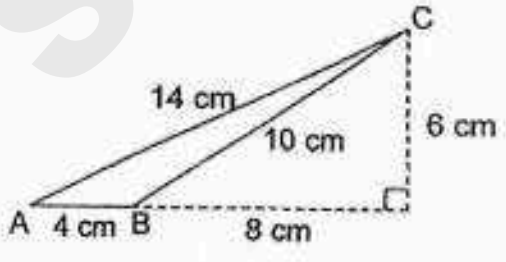
1. Round off 96.875 to the nearest hundredths.

   (1) 96.87
   (2) 96.88
   (3) 97
   (4) 100

2. Which of the following is equivalent to $8\frac{1}{6}$?

   (1) $\frac{9}{6}$
   (2) $\frac{14}{6}$
   (3) $\frac{48}{6}$
   (4) $\frac{49}{6}$

3. Find the area of triangle ABC.

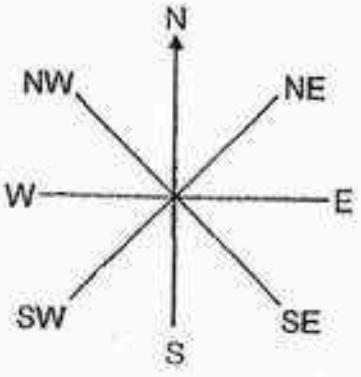


   (1) 12 cm^2
   (2) 20 cm^2
   (3) 28 cm^2
   (4) 36 cm^2

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4. The figure shows an 8-point compass. After turning 225° clockwise, John was facing north-east (NE). Which direction was he facing at first?



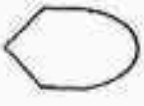
(1) East
(2) West
(3) North
(4) South

5. Which one of the shapes below cannot be tessellated?

(1) 

(2) 

(3) 

(4) 

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6. The price of a car is \$190 000 when rounded off to the nearest ten thousand dollars. Which of the following can be the greatest possible price of the car?

(1) \$184 999
(2) \$189 999
(3) \$194 999
(4) \$195 999

7. At a closing down sale, Fatimah enjoyed a discount of 40% and paid \$300 for a leather handbag. What was the usual price of the handbag?

(1) \$450
(2) \$500
(3) \$750
(4) \$1200

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

(1) 8.125
(2) 8.3
(3) 8.375
(4) 8.38

9. 45 children signed up for a robotics workshop. 27 of them were boys. What was the ratio of the number of girls to the number of boys?

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

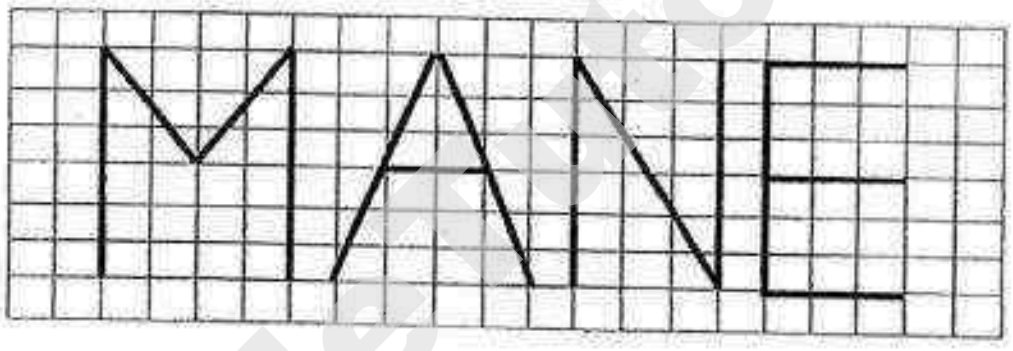
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10. The average mass of a group of 4 children is 40 kg.
The individual masses for 3 of them are 42 kg, 38 kg and 46 kg.
Find the mass of the 4th child.

(1) 34 kg
(2) 38 kg
(3) 40 kg
(4) 44 kg

11. In the diagram below, the following letters are drawn on a grid.
Which letter does not have a line of symmetry?



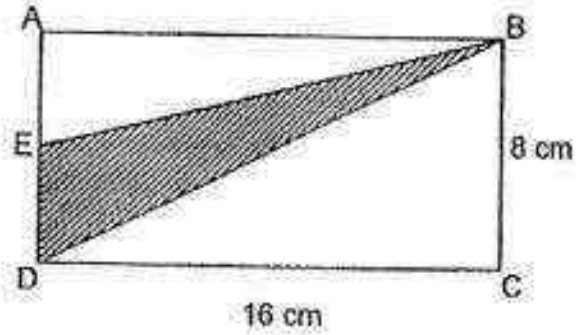
(1) M
(2) A
(3) N
(4) E

12. Alice and Bill each had a sum of money in the ratio of 3 : 4. They bought a necklace worth $70 for their mother and shared the cost of the necklace equally. After that, the ratio of Alice's remaining money to the ratio of Bill's remaining money is 2 : 5. How much money did Alice have at first?

(1) $45
(2) $90
(3) $105
(4) $210

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13. In the figure below, ABCD is a rectangle. E is the midpoint of AD.
Find the area of triangle EBD.



(1) 16 cm²
(2) 32 cm²
(3) 64 cm²
(4) 128 cm²

14. Mary gave $\frac{1}{3}$ of her stamps to her brother and $\frac{1}{2}$ of her stamps to her sister.
She used $\frac{1}{4}$ of the remaining stamps.
What fraction of her stamps was left?

(1) $\frac{1}{6}$
(2) $\frac{1}{8}$
(3) $\frac{1}{12}$
(4) $\frac{1}{24}$

15. A 2-digit number when divided by 40 gives a remainder of 9. Which of the following can be added to the number to change it to a multiple of 12?

(1) 20
(2) 11
(3) 3
(4) 8

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Questions **16** to **25** carry 1 mark each.
Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.
All diagrams are not drawn to scale.
Answers in fractions or ratio must be expressed in the simplest form.

---

16. Arrange the following from the largest to the smallest.

1.07 , $1\frac{1}{5}$, 1.7 , $\frac{10}{7}$

Ans: _____ , _____ , _____ , _____

17. A ball-point pen costs $1.55. How much will 30 similar ball-point pens cost?

Ans: $_____

18. There are four children in the Koh family.
Kathy is younger than Chris.
Wendy is older than Kathy.
Jac is younger than Wendy but older than Chris.
Who is the third child in the Koh family?

Ans: _____

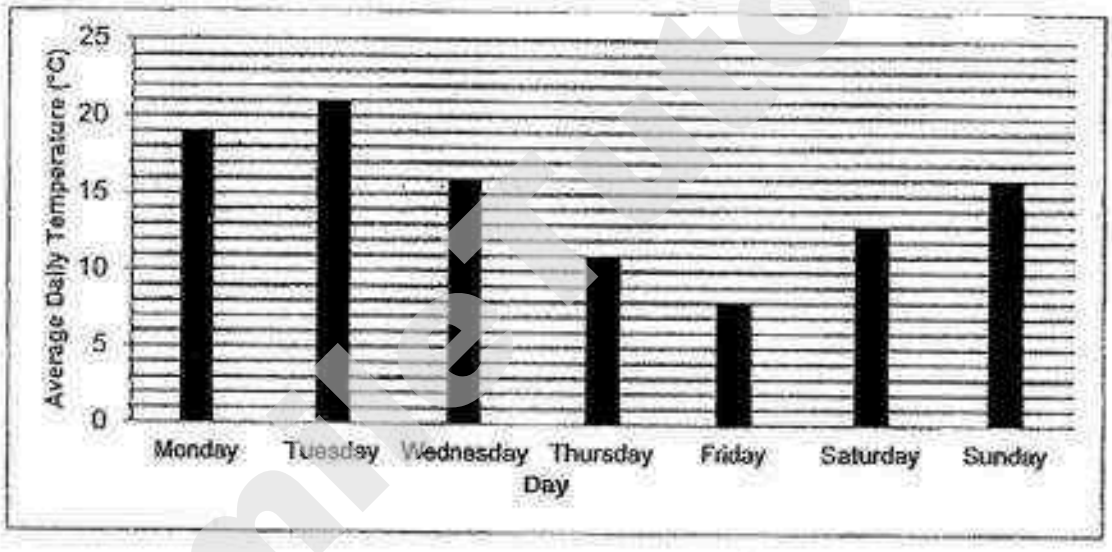
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19. Find the value of $\frac{3}{8} \div 6$.

Ans: _____

20. The bar graph below shows the average daily temperature experienced by Country X in a week.



What was the difference in the highest and lowest average daily temperatures in that week?

Ans: _____ °C

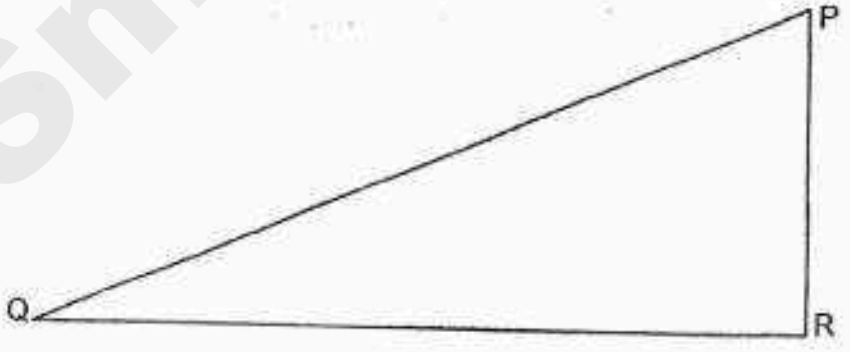
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21. Aisha saved $250 and her sister saved twice as much as her. Aisha's brother saved $100 less than Aisha. What was the average savings of Aisha and her siblings?

Ans: $_____

22. Measure and write down the size of ∠ PQR.

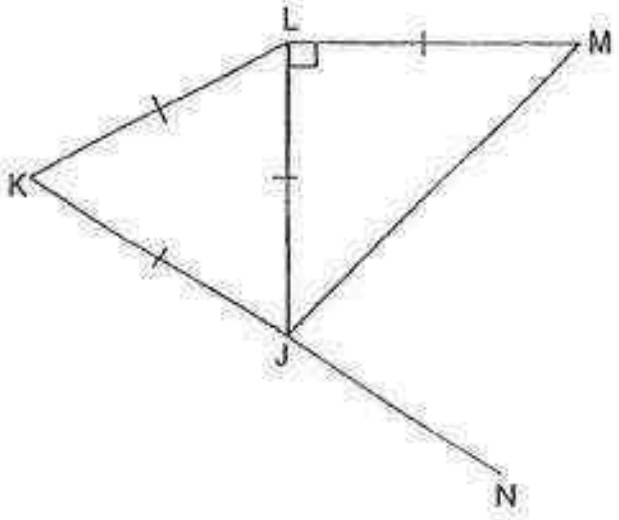


Ans: _____ °

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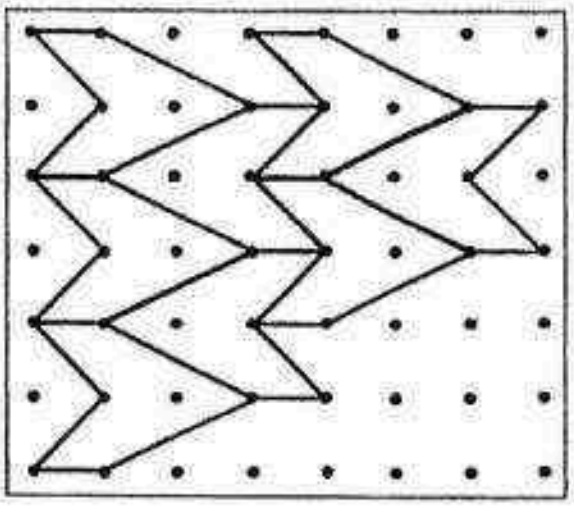
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23. In the figure below, KJN is a straight line, LMJ is an isosceles triangle and KJL is an equilateral triangle. Find ∠ MJN.



Ans: _____ °

24. The pattern in the box below shows part of a tessellation.
Extend the tessellation by drawing <u>two</u> more unit shapes in the space provided within the box.



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25. There were 120 people at a conference. 84 of them were men.
What percentage of the people at the conference were women?

Ans: _____ %

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Questions **26** to **30** carry 2 marks each.
Show your working clearly in the space provided for each question and write your answers in the space provided.
For questions which require units, give your answers in the units stated.
All diagrams are not drawn to scale.
Answers in fractions or ratio must be expressed in the simplest form.

---

26. Auntie Sally uses 60 g of flour to make 7 cupcakes. How many kilograms of flour does she need to make 420 cupcakes?

Ans: _____ kg

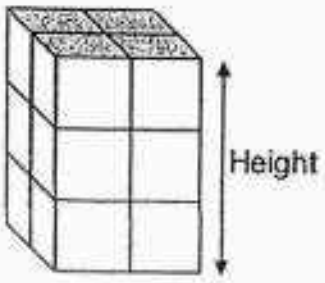
27. Express $9\frac{2}{3}$ as a decimal. Round off your answer to 2 decimal places.

Ans: _____

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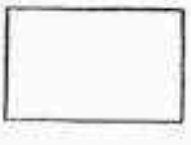
28. The figure shows a cuboid that is formed by putting 12 identical cubes together. The volume of the cuboid is 96 cm^3. Find the height of the cuboid.



Ans: _____ cm

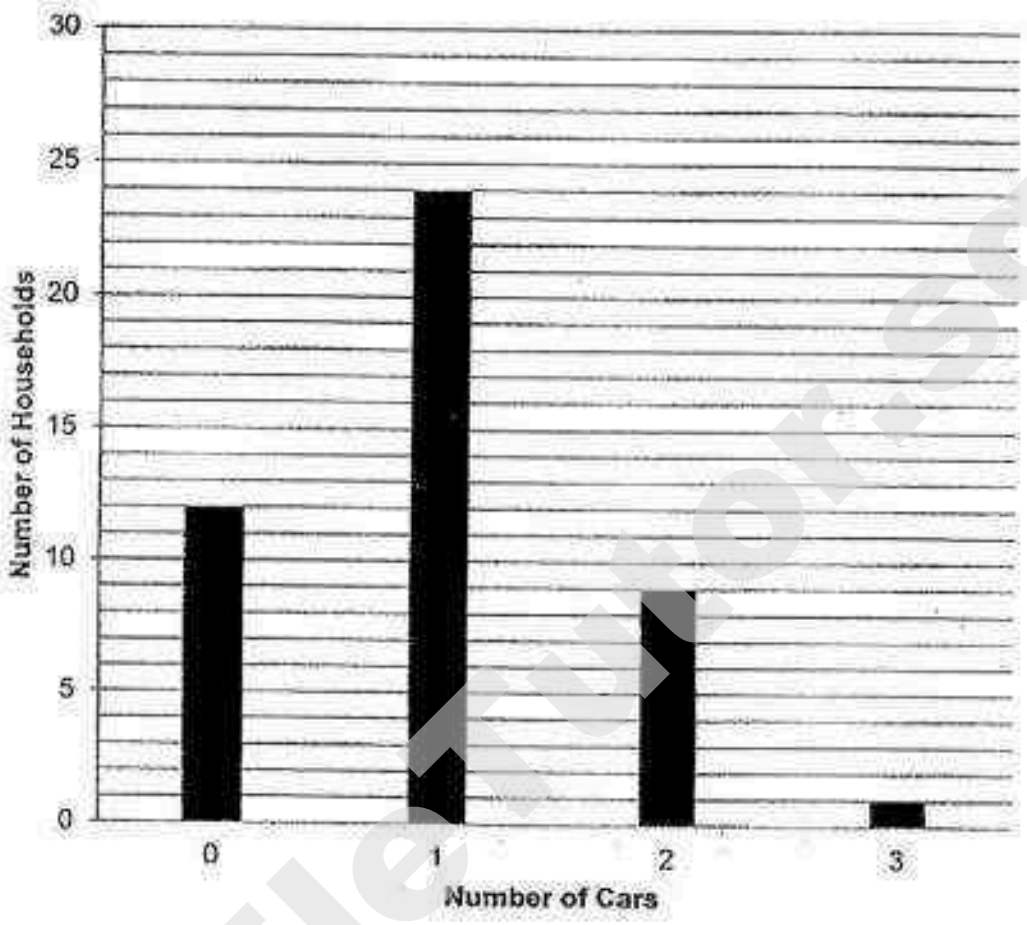
29. In the space below, draw and label a triangle EFG in which EF = 8 cm, $\angle EFG = 40°$ and $\angle FEG = 75°$. The line EF has been drawn for you.

E F



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30. The bar graph below shows the number of cars each household has in Neighbourhood Z.



What is the total number of cars owned by the households in Neighbourhood Z?

Ans: _____

End of Paper
☺ Please check your work carefully ☺

Setters : Mrs J Seto
Ms Lim LS
Mdm Tan LZ

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

Name: _____ ( )

Form class: P5 _____ Math Teacher: _____

Date: 26 Oct 2016 Duration: 1 h 40 min

Your Paper 2 Score (Out of 60 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.
4. The use of calculator is allowed for this paper.

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

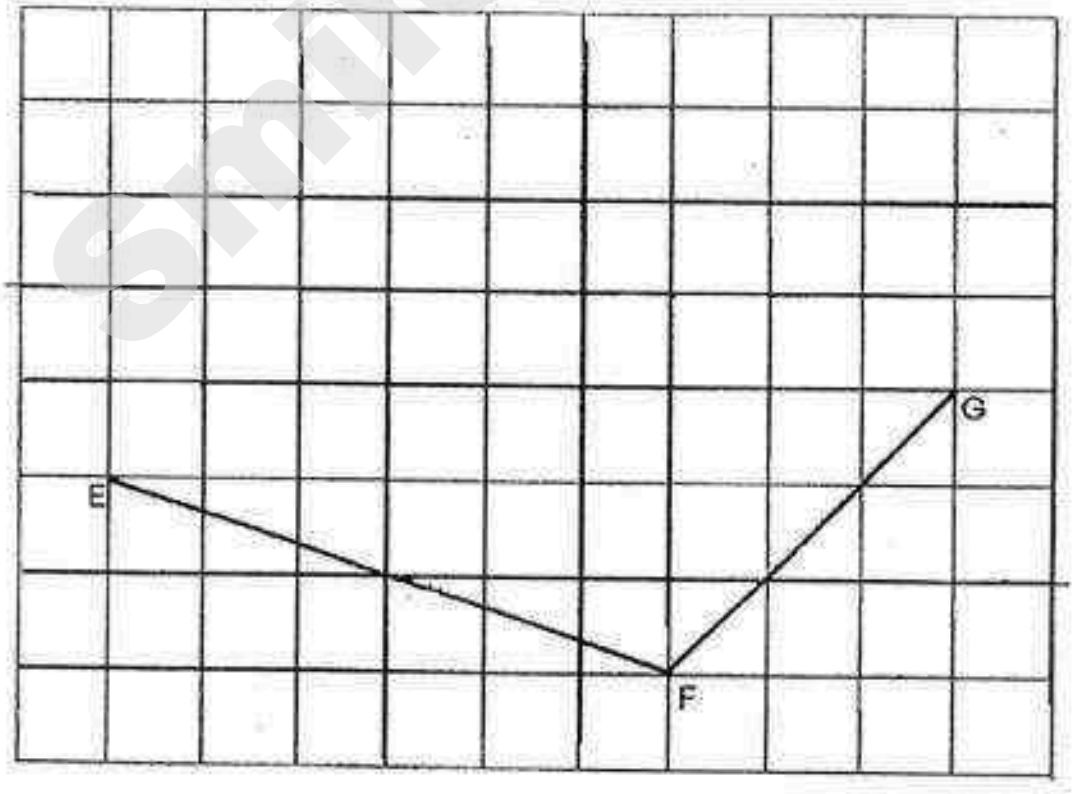
---

1. $6\frac{5}{8}$ kg of rice was packed equally into 5 bags.

   How many grams of rice would there be in each bag?

Ans: _____ g [2]

2. Draw a parallelogram EFGH within the grid provided. Sides EF and FG have been drawn for you. [2]



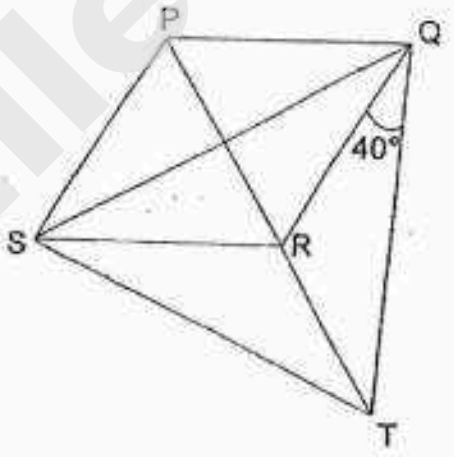
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3. Bala had 104 more marbles than Ravi. After Ravi lost 38 marbles to Bala, Bala had 5 times as many marbles as Ravi.
How many marbles did Ravi have at first?

Ans: _____ [2]

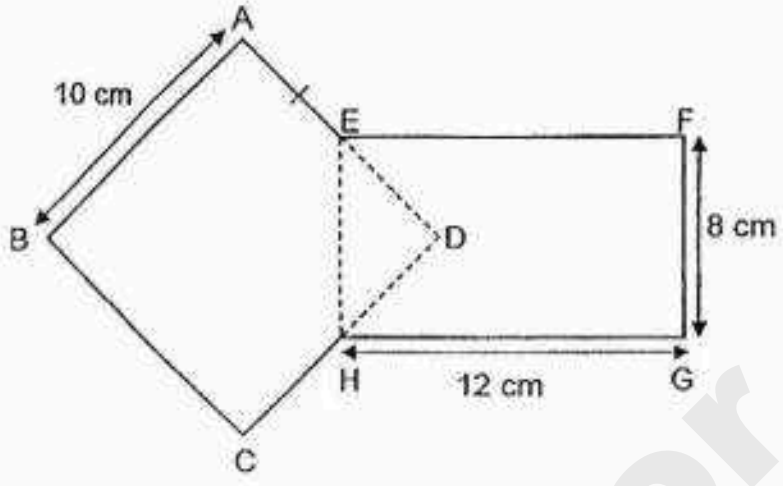
4. In the figure below, PRT is a straight line. PQRS is a rhombus and QTS is an isosceles triangle. Find ∠RTS.



Ans: _____ °[2]

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5. The figure shown below is cut from a piece of paper. ABCD is a square and EFGH is a rectangle. Find the area of the figure.



Ans: _____ cm^2 [2]

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For questions **6** to **18**, show your working clearly in the space provided for each question and write your answers in the spaces provided.

Figures are not drawn to scale.

The number of marks available is shown in the brackets [ ] at the end of each question or part-question.

(50 marks)

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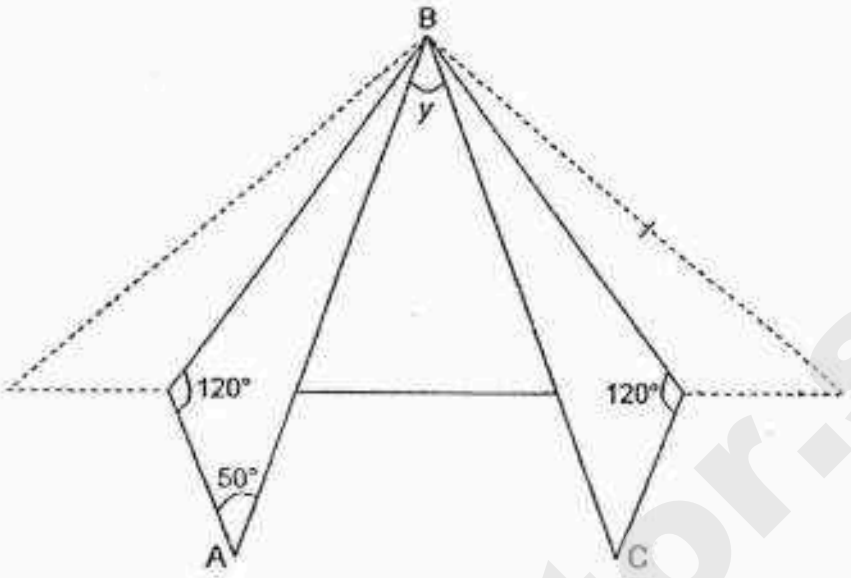
6. The average of 12 numbers is 34. If 3 of the numbers are excluded, the average of the remaining numbers is reduced to 29. Find the sum of these 3 numbers.

Ans : _____ [3]

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7. The diagram below shows an isosceles triangular piece of paper, ABC.
The paper is folded at two of its corners, A and C. Find $\angle y$.



Ans: _____ [3]

8. A sum of money can be used to buy either 8 identical diaries or 20 identical calendars. Each diary cost $14.10 more than each calendar. How much did each calendar cost?

Ans: _____ [3]

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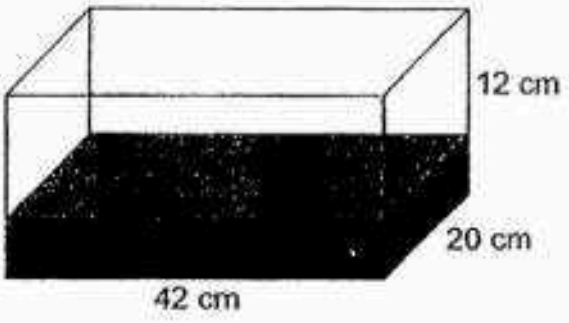
9. 32 cartons of mangoes were delivered to Mr Lim's fruit stall.
Each carton contained 48 mangoes. For every 4 cartons, 9 rotten mangoes were thrown away. The remaining mangoes were packed into bags of 6 and each bag was sold for $15.
What was the total amount of money Mr Lim collected when all the bags of mangoes were sold?

Ans: _____ [4]

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10. The tank measuring 42 cm by 20 cm by 12 cm was $\frac{1}{5}$ filled with water. After some water was added into the tank, the tank became $\frac{3}{4}$ full. How much water was added to the tank?



Ans : _____ [3]

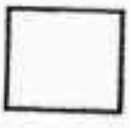
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11. Meg, Jo and Beth shared a sum of money. Beth had 3 times the amount of money that Jo had. The ratio of the amount of money Beth had to the total amount of money Meg and Jo had was 4 : 5. Meg and Beth had $299 altogether.
What was the sum of money shared by the three girls?

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Ans: _____ [3]



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12. Uncle Ravi organised a lucky draw event. He spent $382.20 on some soft toys and keychains. He bought 6 more keychains than soft toys. A soft toy costs $14.70 and a keychain costs $4.90. How many keychains did Uncle Ravi buy?

Ans : _____ [5]

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13. Hazel had 520 beads. 35% of her beads were black and the rest were red. After using 95 beads to make a necklace, 40% of the remaining beads were black. How many red beads did she use?

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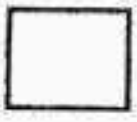
Ans: _____ [4]

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14. At a supermarket, Mr Teo bought 300 g of fish and 400 g of meat for **$21.10**. At the same supermarket, Mrs Peng bought 200 g of fish and 300 g of meat for $14.60. If Mrs Peng were to buy another 1.6 kg of fish, how much would she have to pay in total?

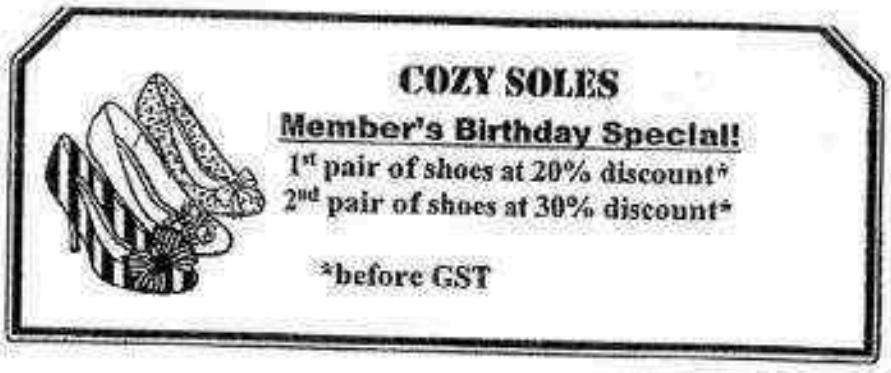
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Ans: _____ [4]



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15.



Michelle bought 2 pairs of shoes at the store and paid a total amount of $262.15 including 7% GST.

(a) How much did the 2 pairs of shoes cost before GST?

(b) The usual price for Michelle's second pair of shoes was $190 before GST. What was the usual price of her first pair of shoes before GST?

Ans : (a) _____ [1]

(b) _____ [4]

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16. Bake's Haven was ha Ving its 1st anniversary promotion for donuts and cupcakes at the prices shown below



Mrs Kim spent an equal amount of money on the donuts and cupcakes for her company party. She bought 40 more donuts than cupcakes.
What was the total number of donuts and cupcakes bought by Mrs Kim?

Ans: _____ [4]

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17. Jane only had 20c coins and George only had 50c coins. Jane had 200 coins. The ratio of the number of Jane's coins to the number of George's coins was 5 : 1. After Jane gave some of her coins to George, the ratio of the number of Jane's coins to the number of George's coins became 2 : 7.

(a) How many coins did Jane give to George?

(b) What was the total value of coins George had in the end?

Ans: (a) _____ [2]

(b) _____ [3]

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18. Helen had 248 marbles more than Ali. After Helen gave $\frac{3}{4}$ of her marbles to Ali, Ali had 364 marbles more than Helen. How many marbles did Ali have at first?

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Ans: _____ [4]

End of Paper
Please check your work carefully ☺

Setters : Mrs J Seto
Ms Lim LS
Mdm Tan LZ

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EXAM PAPER 2016 (P5)

SCHOOL : RAFFLES GIRLS'

SUBJECT : MATHEMATICS

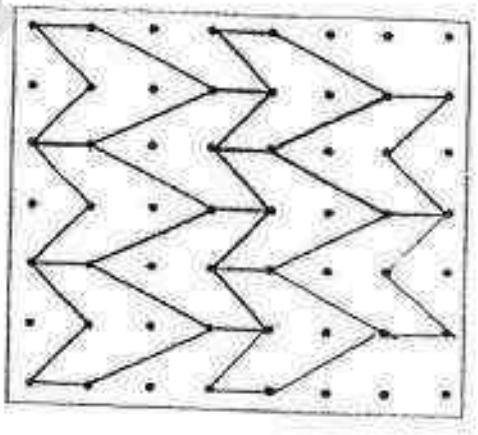
TERM : SA2

ORDER CALL : MR GAN @ 92998971 92475053 86065443

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

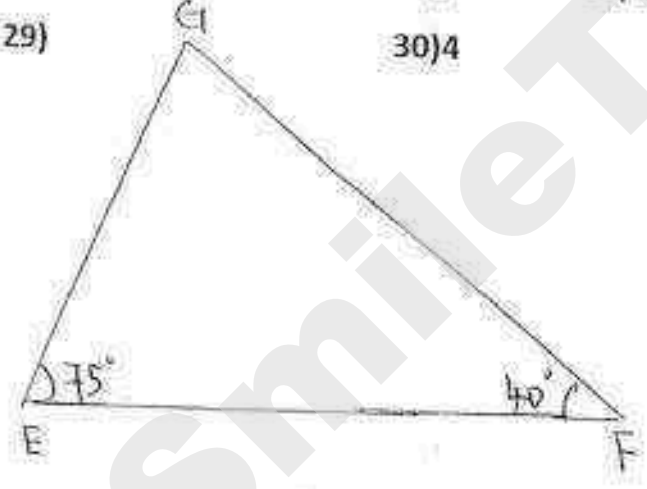
16)1.7 , 10/7 , 1 1/5 , 1.07 17)$46.50 18)Chris 19)1/16

20)13°C 21)300 22)23° 23)75° 24)



25)30% 26)3.6kg 27)9.67 28)6cm

29)



30)4

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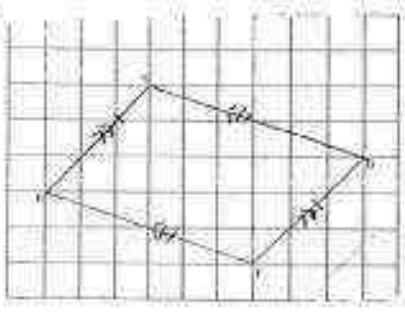
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Paper 2

1)5/8 = 0.625

6.625 ÷ 5 = 1.325g

2)



3)4u→38+104+38 = 180

1u→45

45+38 = 83

4)30 x 2 = 60

180 – 60 = 120

360 – 120 = 240

240 ÷ 2 = 120

120 + 40 = 160

180 – 160 = 20°

5)10 ÷ 2 = 5

½ x 5 x 5 = 12.5

10 x 10 = 100

12 x 8 = 96

96 – 12.5 = 83.5

83.5 + 100 = 183.5cm2

6)12 x 34 = 408

12 – 3 = 9

9 x 29 = 261

408 – 261 = 147

7)120 + 50 = 170

180 – 170 = 10

10 x 4 = 40

50 x 2 = 100

100 + 40 = 140

180 – 140 = 40°

8)8 x 14.10 = 112.80

8u + 112.80 = 20u

20u – 8u = 112.80

12u = 112.80

1u = 112.80 ÷ 12 = $9.40

9)48 x 32 = 1536 (mangoes altogether)

32 ÷ 4 = 8

8 x 9 = 72 (rotten mangoes)

1536 – 72 = 1464 (remaining mangoes

1464 ÷ 6 = 244 (no.of bags)

244 x 15 = $3660

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10)42 x 20 x 12 = 10080

1/5 x 10080/1 = 2016

¾ x 10080/1 = 7560

7560 – 2016 = 5544ml

11)15u – 4u = 11u

11u + 12u = 23u

23u→299

1u→299÷23 = 13

12u + 15u = 27u

27u→13 x 27 = $351

12)6 x 4.90 = 29.40

382.20 – 29.40 = 352.80

14.70 + 4.90 = 19.60

352.80÷19.60 = 18

18 + 6 = 24

13)35/100 x 520/1 = 182 (black beads at first)

520 – 182 = 338 (red beads at first)

520 – 95 = 425

40/100 x 425/1 = 170 (black beads in the end)

425 – 170 = 255 (red beads in the end)

338 – 255 = 83

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14)21.10 – 14.60 = 6.50

100F + 100M = 6.50→300F + 300M = 19.50

200F + 300M = 14.60

100F = 4.90

1600F = 4.90 x 16 = 78.40

14.60 + 78.40 = $93

15)a)262.15 ÷ 107 = 2.45

2.45 x 7 = 17.15

262.15 – 17.15 = $245

b)discounted price of 2nd pair→70% x $190 = $133

discounted price of 1st pair→$245 - $133 = $112

80% – $112

100% - ($112 ÷ 80)x 100 = $140

16)Lowest common multiple of 9 and 7 is 63

No. of donuts purchased with $63→(63 ÷ 9) x 5 = 35

No. of cupcakes purchased with $63→(63 ÷ 7) x 3 = 27

Diff between no. purchased for every $63 →35 – 27 = 8

No. of groups→40 ÷ 8 = 5

Total bought →5 x (35 +27) = 310

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17) J : G : total

5 : 1 : 6

15 : 3 : 18

2 : 7 : 9

4 : 14 : 18

3u→17 x 3 = 51

11u→17 x 11 = 187

187 x 0.2 = 37.40

51 x 0.5 = 25.50

37.40 + 25.5 = $62.90

a)187

b)$62.90

18)Before

Helen 4u + 248

Ali 4u

After

Helen 1u + 62

Ali 4u + 3u + 186

7u + 186 = 1u + 62 + 364

6u = 426 – 186 = 240

1u →240 ÷ 6 = 40

4u→4 x 40 = 160

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28

RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 SEMESTRAL ASSESSMENT 2

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 26 October 2016

BOOKLET A

15 Questions
20 Marks
Duration of Paper 1 (Booklets A & B): 50 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page 1 to Page 5
   (b) Questions 1 to 15
6. You are not allowed to use a calculator.

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

---

1 Round off 606 606 to the nearest ten thousand.

(1) 600 000
(2) 606 000
(3) 607 000
(4) 610 000

2 Which one of the following fractions is the same as 10 eighths?

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

3 What is the value of 579 ÷ 100?

(1) 0.579
(2) 5.79
(3) 57.9
(4) 57 900

4 In the number line shown below, which value is closest to the letter X?



(1) 77.2
(2) 77.7
(3) 78.2
(4) 78.7

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5 Dominic's height is 160 cm. His sister is 20 cm shorter than him. Find the ratio of Dominic's height to his sister's height.

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

6 24 out of 40 students like chicken burger while the rest of them like fish burger. Find the percentage of students who like fish burger.

(1) 16%
(2) 24%
(3) 40%
(4) 60%

7 Which of the following is the same as 6 090 g?

(1) 6 kg 9 g
(2) 6 kg 90 g
(3) 60 kg 9 g
(4) 60 kg 90 g

8 What is the difference between 14 tens and 14 tenths?

(1) 12.7
(2) 13.86
(3) 138.6
(4) 139.86

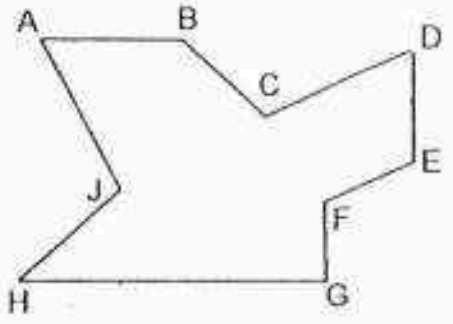
9 What is the cost of 9 ten-cent stamps and 3 fifty-cent stamps?

(1) $1.20
(2) $2.40
(3) $3.20
(4) $4.40

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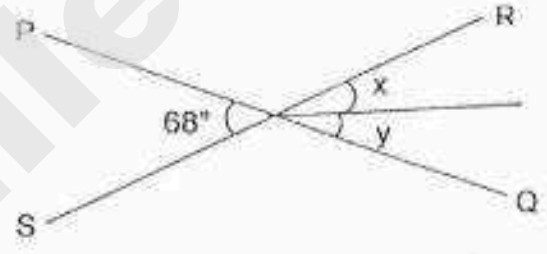
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10 How many pair(s) of parallel lines are there in the figure below?



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

11 In the figure, PQ and RS are straight lines. ∠x and ∠y are equal. Find ∠x.

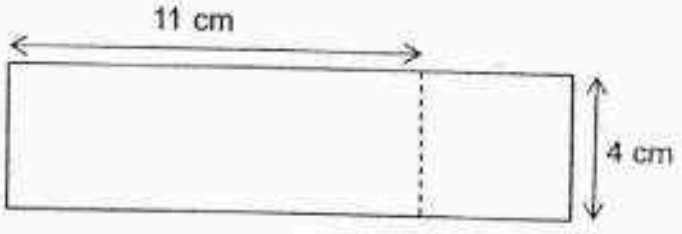


(1) 11°
(2) 22°
(3) 34°
(4) 68°

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12 The figure below is made up of a square and a rectangle. Find its perimeter.



(1) 15 cm
(2) 38 cm
(3) 42 cm
(4) 46 cm

13 A pattern is formed using the numbers 1 and 0. The first 15 numbers are shown below.



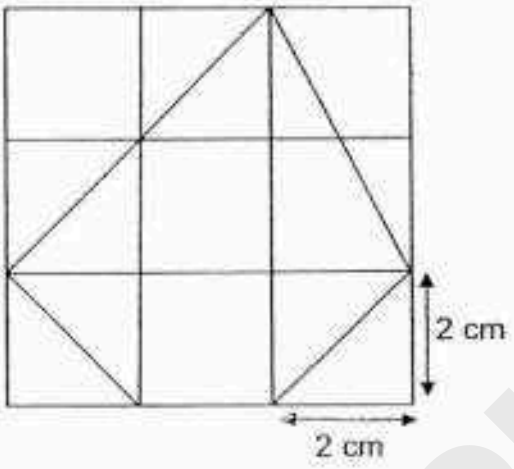
What is the sum of the first 100 numbers?

(1) 39
(2) 40
(3) 41
(4) 42

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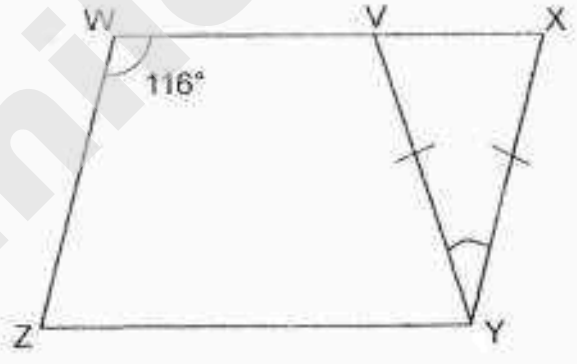
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14 Find the shaded area in the square grid below.



(1) 16 cm^2
(2) 18 cm^2
(3) 20 cm^2
(4) 24 cm^2

15 The figure below is not drawn to scale. WXYZ is a parallelogram. Find ∠XYV.



(1) 26°
(2) 52°
(3) 64°
(4) 84°

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慈学校
RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 SEMESTRAL ASSESSMENT 2

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 26 October 2016

BOOKLET B

15 Questions
20 Marks

In this booklet, you should have the following:
(a) Page 6 to Page 11
(b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		20
TOTAL		40

Parent's Signature : _____

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Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16 What is the value of $30 - 3 \times 4 + 24 \div 4$?

Ans: _____

17 Mrs Tan had a ribbon of 6m long. She cut it 5 times into smaller pieces of equal length to wrap a present. What was the length of one smaller piece of the ribbon?



Ans: _____ m

18 Find the missing number in the box.

0.396 = 0.3 + [?] + 0.026

Ans: _____

19 Find the value of 9.94 ÷ 20.

Ans: _____

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20 Jason took 1 hour 25 minutes to travel from school to his house. If he arrived home at 3.30 p.m., what time did he leave the school?

Ans: _____ p.m.

---

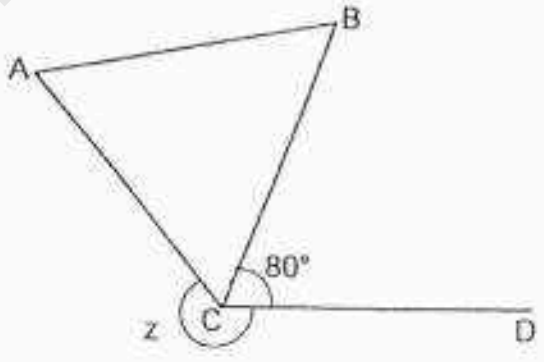
21 The area of the shaded square is 16 cm^2. What is the area of the shaded triangle?



Ans: _____ cm^2

---

22 In the figure below, ABC is an equilateral triangle and ∠BCD = 80°. Find ∠z.



Ans: _____

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23 Mary mixed 1 bottle of orange juice, 2 cans of soda water and 2 packets of pineapple juice to create her fruit punch for her birthday party. What was the total volume of the fruit punch in litres?



Orange juice
1.5 ℓ



Soda water
325 m ℓ

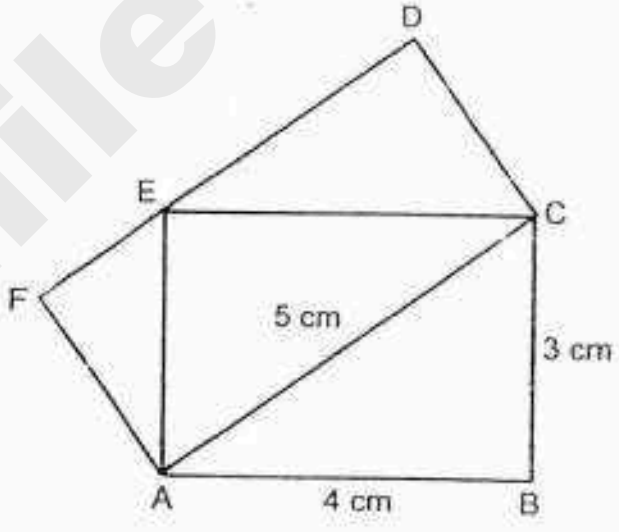


Pineapple juice
750 cm^3

Ans: _____ ℓ

---

24 In the figure below, ABCE and ACDF are rectangles and DEF is a straight line. AB = 4 cm, BC = 3 cm and AC = 5 cm. Find the length of AF.

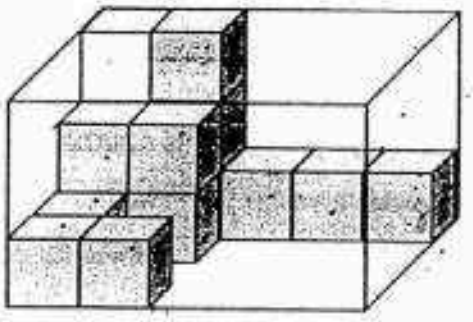


Ans: _____ cm

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25 The figure shows a rectangular container partly filled with unit cubes.
How many more cubes are needed to fill the container completely?



Ans: _____

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Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

26 $\frac{2}{5}$ of a number is 76. What is $\frac{1}{2}$ of this number?

Ans: _____

27 What is the price of the water bottle after adding 7% GST?



$12
(Price before GST)

Ans: $ _____

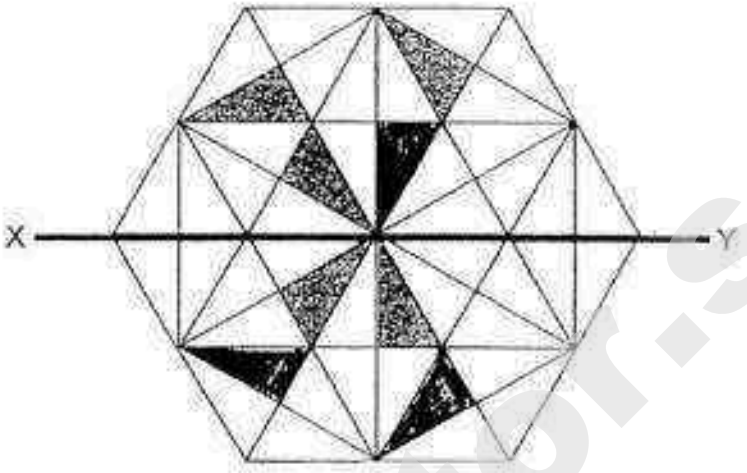
28 The sum of 4 numbers is 1 390. One of the numbers is 400. What is the average of the remaining numbers?

Ans: _____

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29 The figure below is made up of triangles. Five of them are shaded. Shade three more triangles so that XY is the line of symmetry of the figure.



---

30 Figure X is made up of nine similar equilateral triangles. Three triangles were removed from Figure X and the remaining triangles were rearranged to form Figure Y. The perimeter of Figure X is 270 cm. What is the perimeter of Figure Y?

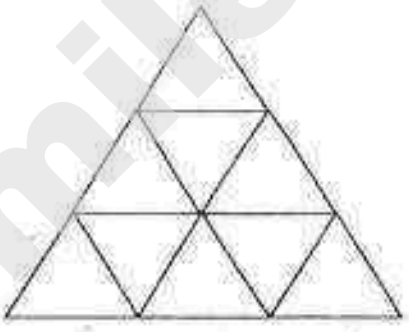


Figure X

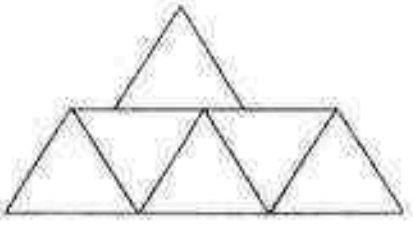


Figure Y

Ans: _____ cm

END OF PAPER 1

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RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 SEMESTRAL ASSESSMENT 2

MATHEMATICS
PAPER 2

Name : _____ ( )

Class : Primary 5 / _____

Date : 26 October 2016

18 Questions
60 Marks
Duration of Paper 2: 1 hour 40 minutes

Note:
1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
   (a) Page 1 to Page 14
   (b) Questions 1 to 18
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		40
PAPER 2		60
TOTAL		100

Parent's Signature : _____

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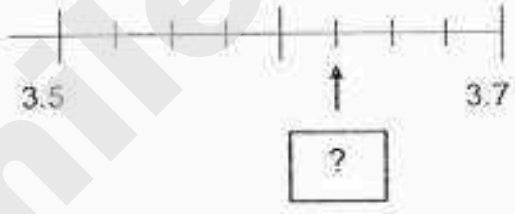
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Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

1 Muthu spent $\frac{1}{3}$ of his savings on a pair of soccer boots and $\frac{1}{4}$ of the remainder on a jersey. If he spent $49.90 on his jersey, what was his savings?

Ans: $_____

2 Find the missing decimal in the box below.



Ans: _____

4

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3 The students at a P5 camp are divided equally into Team A and Team B. The ratio of the number of boys to the number of girls in Team A and B are 1 : 2 and 5 : 4 respectively. What is the ratio of the number of boys to the number of girls at the camp?

Ans: _____

4 Jack was 16 years old two years ago. He is thrice as old as Jill now. Find the total age of Jack and Jill two years from now.

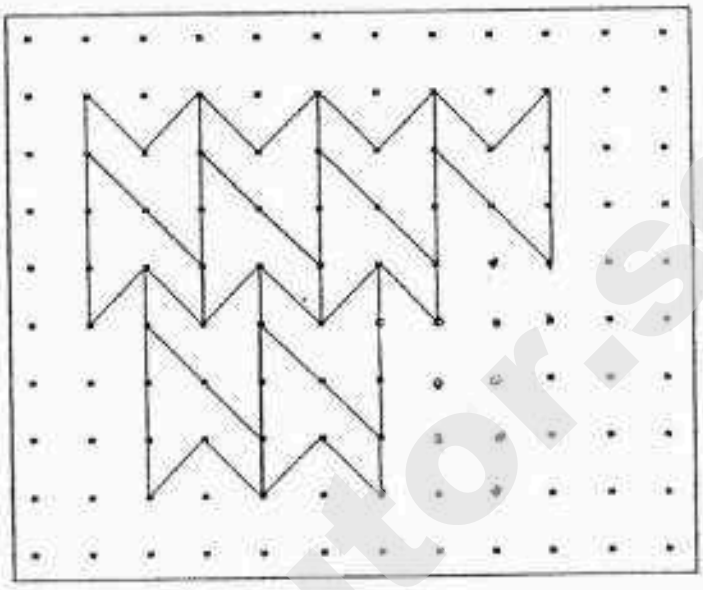
Ans: _____

4

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5 The pattern in the dot paper below shows part of a tessellation. Extend the tessellation by drawing **three more** unit shapes in the space provided in the dot paper.



2

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For Questions 6 to 18, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(50 marks)

---

6 Mrs Tan baked a 10-kg cake for a class party. Her students ate $\frac{3}{5}$ of it and she gave $1\frac{3}{5}$ kg to the other teachers. Find the mass of the cake she had left.

Ans: _____ [3]

---

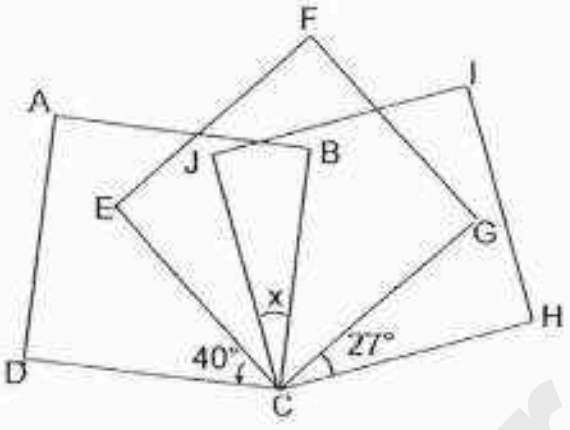
7 William saved two coins every day from Monday to Sunday by putting them into a piggy bank. Each coin was either a 20-¢ or 50-¢ coin. The total value of the coins at the end of 4 weeks was $16.30. How many of the coins were 50-¢ coins?

Ans: _____ [3]

6

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8 The figure below shows three identical squares ABCD, CEFG and CJIH. ∠DCE = 40° and ∠GCH = 27°. Find ∠x.



Ans: _____ [3]

---

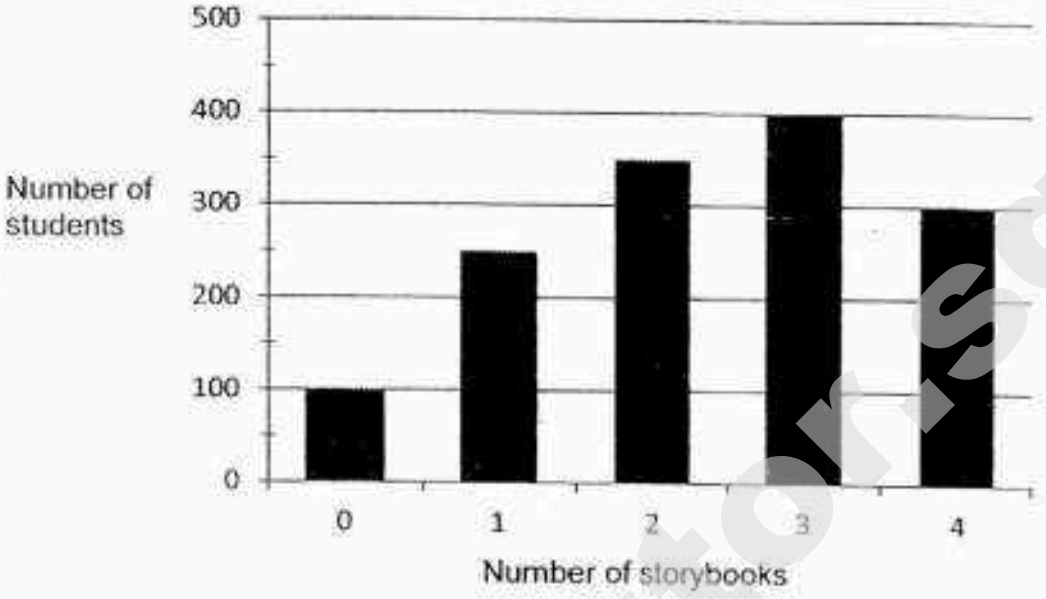
9 The ratio of John's amount of money to Sean's is 7:11. If Sean gives $95 to John, they will have the same amount of money. How much money do they have altogether?

Ans: _____ [3]

6

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10 The bar graph shows the number of storybooks read by the students in a school.



(a) How many students are there in the school?

(b) What percentage of the students in the school read at least 1 storybook? (Give your answer correct to the nearest whole number.)

Ans: (a) _____ [1]

(b) _____ [2]

3

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11 A list of 13 numbers has an average of 330. When two numbers are deleted from the list, the average of the remaining numbers is 313.

(a) What is the sum of 13 numbers?

(b) What are the two numbers that have been deleted given that the difference between the two numbers is 1?

Ans: (a) _____ [1]

(b) _____ and _____ [2]

3

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12 The usual price of a pen sold at Shop A and B is $20. During a sale, a discount of 20% is given to every pen sold at Shop A. At Shop B, a discount of 50% is given to the 3rd pen for every 3 pens sold. How much cheaper would it be if Lina buys 8 pens from Shop A instead of Shop B?

Ans: _____ [4]

4

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13 Mdm Koh paid $30.60 for some mangoes and oranges. She bought 8 more oranges than mangoes. A mango cost $1.80 which was 4 times as much as an orange. How many mangoes did Mdm Koh buy?

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Ans: _____ [5]

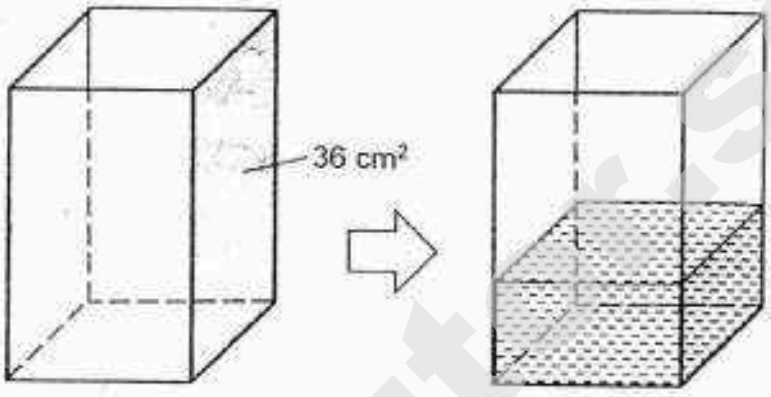
5

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14 The figure shows a rectangular container with a square base of area 16 cm^2. The area of the shaded face is 36 cm^2.

(a) What is the height of the container?

(b) James filled a third of the container with water. Find the volume of the water.



Ans: (a) _____ [3]

(b) _____ [2]

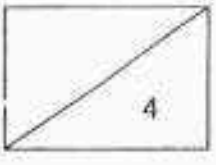
5

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15 Mdm Ang used $\frac{4}{7}$ of her red buttons and $\frac{3}{5}$ of her blue buttons to sew a quilt. In the end, she had an equal number of red buttons and blue buttons left. Given that Mdm Ang had a total of 377 red and blue buttons at first, how many blue buttons did she use to sew the quilt?

Ans: _____ [4]



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16 The ratio of the number of pop idol cards Alice, Beth and Christine had was 3 : 5 : 2. Alice gave half of her cards to Beth. Beth in turn gave 45 cards to Christine. Christine then had 3 times the number of cards Alice had at the end of the game. How many cards did Beth have at the end of the game?

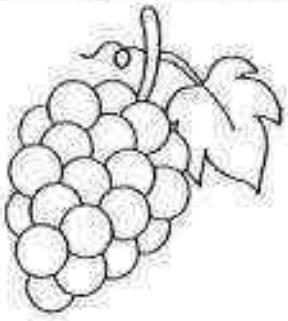
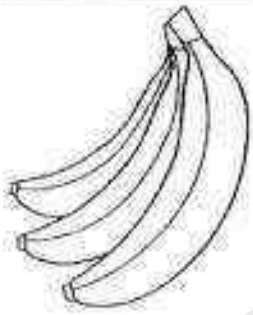
Ans: _____ [4]

4

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17 The prices of two fruits sold at a supermarket is shown below.

	
Grapes 2 kg for $12	**Banana** 3 kg for $10

(a) Mrs Tan bought an equal mass of grapes and bananas and spent $64 more on grapes than on bananas. What was the total mass of fruits that Mrs Tan bought?

(b) Mrs Devi spent an equal amount of money on grapes and bananas. In terms of their masses, what was the ratio of grapes to the ratio of bananas Mrs Devi bought?

Ans: (a) _____ [3]

(b) _____ [2]

5

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18 Mrs Shah bought an air purifier for $216 after a discount of 25%.

(a) What was the price of the air purifier before discount?

(b) She paid $128 for a vacuum cleaner. The total discount for the air purifier and the vacuum cleaner was $104. What was the percentage discount given for the vacuum cleaner?

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Ans: (a) _____ [1]

(b) _____ [4]

END OF PAPER 2

5

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YEAR : 2016
LEVEL : PRIMARY 5
SCHOOL : RED SWASTIKA
SUBJECT : MATHEMATICS
TERM : SA2

Paper 1

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

Q16 24

Q17 6 m ÷ 6 ⇒ 1 m

Q18 0.07

Q19 0.497

Q20 2:05 pm

Q21 64 cm^2

Q22 60 + 80 → 140
360 – 140 ⇒ 220°

Q23 0.325 x 2 = 0.65
0.75 x 2 = 1.5
1.5 + 0.65 + 1.5 ⇒ 3.65 ℓ

Q24 Area ACE → $\frac{1}{2}$ x 3 x 4 = 6 cm^2
Area rec ACDF → 6 X 2 = 12 cm^2
AF → 12 ÷ 5 ⇒ 2.4 cm

Q25 Total → 5 x 4 x 3 = 60
Diff → 60 – 16 ⇒ 44 cubes

Q26 $\frac{1}{5}$ → 76 ÷ 2 = 38
$\frac{5}{8}$ → 38 x 5 = 190
190 ÷ 2 ⇒ 95

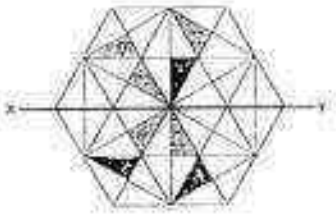
Q27 Price → 12 + 0.84 ⇒ $12.84

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Q28 1390 – 400 → 990
990 ÷ 3 ⇒ 330

Q29



Q30 1 side → 270 ÷ 9 = 30
8 sides → 30 x 8 ⇒ 240 cm

Paper 2

Q1 1u → $49.90
6u → 6 x $49.90 ⇒ $299.40

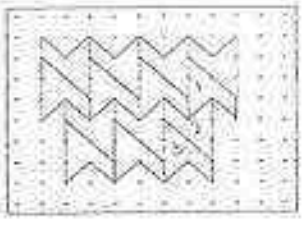
Q2 Diff → 3.7 – 3.5 = 0.2
1 spacing → 0.2 ÷ 8 = 0.025
5 spacings → 0.025 x 5 = 0.125
No. → 3.5 + 0.125 ⇒ 3.625

Q3

Team A		Team B
B : G : T		B : G : T
(1 : 2 : 3) x 3		5 : 4 : 9
→ 3 : 6 : 9		
B	:	G
3 + 5	:	6 + 4
8	:	10
⇒ 4	:	5

Q4 Now Jack → 16 + 2 = 18
Now Jill → 18 ÷ 3 = 6
2 yrs later:
Jack 18 + 2 = 20
Jill → 6 + 2 = 8
Total → 20 + 8 ⇒ 28 years old

Q5



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Q6 Eaten → $\frac{3}{5} \times 10 = 6$ kg
Left → $10 - 6 - 1\frac{3}{5}$ kg ⇒ $2\frac{2}{5}$ kg

Q7 17

Q8 ∠BCE → 90° - 40° = 50°
∠JCG → 90° - 27° = 63°
∠X → 50° + 63° - 90° ⇒ 23°

Q9 $95 → 9u – 7u = 2u
1u → 95 ÷ 2 = $47.50
18u → $47.50 x 18 ⇒ $855

Q10a 100 + 250 + 350 + 400 + 300 ⇒ 1400 students

Q10b No. students → 1400 – 100 = 1300
$\frac{1300}{1400} \times 100\% \approx 93\%$

Q11a 330 x 13 ⇒ 4290

Q11b 13 – 2 = 11
313 x 11 = 3443
Sums (deleted) → 4290 – 3443 = 847
847 – 1 = 846
846 ÷ 2 = 423
1st no. → 423
2nd no. → 423 + 1 = 424
Ans: 423 and 424

Q12 Shop A → Cost 8 pens
$\frac{80}{100} \times 20 \times 8 = \$128$
Shop B → 3rd pen
$\frac{50}{100} \times 20 = \$10$
8 pens → (20 + 20 + 10) + (20 + 20 + 10) + 20 + 20 = $140
Diff → 140 – 128 ⇒ $12

Q13 1 orange → 1.80 ÷ 4 = $0.45
8 oranges → 0.45 x 8 = $3.60
Cost → (equal no. fruits) $30.60 – $3.60 = $27
Cost → (1 orange + 1 mango) $1.80 + $0.45 = $2.25
27 ÷ 2.25 ⇒ 12 mangoes

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Q14a

Length of base → $\sqrt{16} = 4$ cm
Height of container → $34 \div 4 \approx 9$ cm

Q14b

Volume water → $\frac{1}{3} \times 4 \times 4 \times 9 \Rightarrow 48\ cm^3$

Q15

Red → 14 units
Blue → 15 units
Total → 14 + 15 = 29 units
1u → 377 ÷ 29 = 13
13 x 9 ⇒ 117 blue buttons

Q16

	A	:	B	:	C	:	T
At first	(3	:	5	:	2	:	10) x 2
	= 6	:	10	:	4	:	20
Alice give	A	:	B	:	C	:	T
(3u)	3	:	13	:	4	:	20
End	A	:	B	:	C	:	T
	3	:	8	:	9	:	20

Beth → 20 – 3 – 9 = 8u
1u → 45 ÷ 5 = 9
5u → 45
8u → 9 x 8 ⇒ 72 cards

Q17a

Cost 6 kg grapes → 3 x 12 = $36
Cost 6 kg bananas → 2 x 10 = $20
Diff → 36 - 20 = $16
No. sets → 64 ÷ 16 = 4
Mass fruits → (6 + 6) x 4 ⇒ 48 kg

Q17b

Amount of grapes → (60 ÷ 12) x 2 = 10 kg
Amount of bananas → (60 ÷ 10) x 3 = 18 kg

	G	:	B
	10	:	18
Ratio ⇒	5	:	9

Q18a

100 % - 28 % = 75 %
75 % → 216
1 % → 216 ÷ 75 = 2.88
100 % → 2.88 x 100 ⇒ $288

Q18b

Discount (purifier) → 288 – 216 = $72
Discount (vacuum) → 128 + 32 = $160
% discount → $\frac{32}{160} \times 100\ \% \Rightarrow 20\ \%$

End

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Rosyth School
Semestral Assessment 2 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 27 Oct 2016 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet A)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Shade your answers in the Optical Answer Sheet (OAS) provided.
4. You are **not** allowed to use a calculator.
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

*** This booklet consists 6 printed pages (including this cover page)**

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

All diagrams in this paper are not drawn to scale.

(20 marks)

---

1. In 963 218, the value of the digit 6 is _____.

   (1) 600
   (2) 6 000
   (3) 60 000
   (4) 600 000

2. Which of the following numbers is 800 000 when rounded off to the nearest thousand?

   (1) 802 849
   (2) 800 632
   (3) 799 531
   (4) 799 488

3. How many fifths are there in $2\frac{3}{5}$?

   (1) 10
   (2) 13
   (3) 3
   (4) 30

4. What is the value of 2 hundreds, 5 tenths and 8 thousandths?

   (1) 250.008
   (2) 200.580
   (3) 200.508
   (4) 200.058

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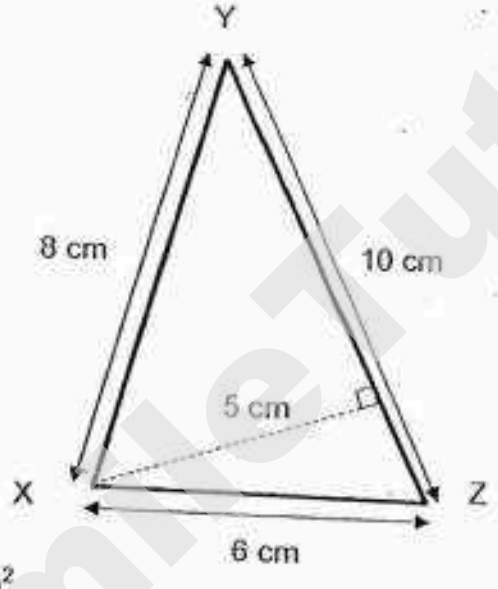
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5. The number of watermelons is $\frac{1}{2}$ the number of durians. The number of jackfruits is four times that of watermelons. What is the ratio of the number of durians to the total number of fruits?

(1) 1 : 11
(2) 11 : 1
(3) 2 : 7
(4) 7 : 2

6. What is the area of triangle XYZ as shown in the figure?



(1) 15 cm^2
(2) 24 cm^2
(3) 25 cm^2
(4) 30 cm^2

Find the value of 48 + 96 ÷ 4 – 2 x 16.

(1) 40
(2) 544
(3) 1120
(4) 4

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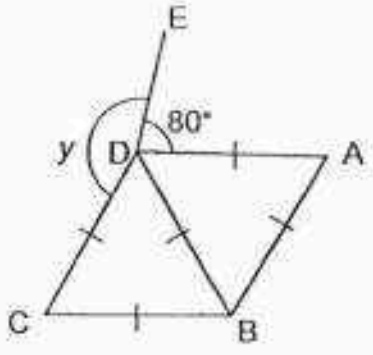
8. $0.25 \times 300 =$ _____

(1) 0.75
(2) 7.5
(3) 75
(4) 7500

9. The sum of 4 numbers is 1080. One of the numbers is 150.
What is the average of the other 3 numbers?

(1) 50
(2) 270
(3) 310
(4) 930

10. In the figure below, ABD and CDB are equilateral triangles and $\angle ADE = 80°$
Find $\angle y$.



(1) 100°
(2) 160°
(3) 220°
(4) 280°

11. The ratio of the length of a stick to the length of a ruler is 3 : 4.
The length of the ruler is 16 cm. Find the length of the stick.

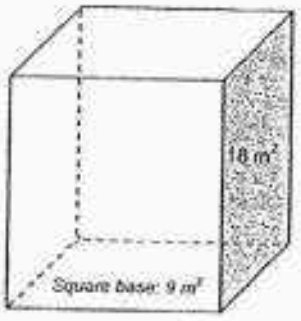
(1) 12 cm
(2) 16 cm
(3) 3 cm
(4) 4 cm

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12. The figure below shows a cuboid with a square base of area 9 m^2.
The area of the shaded face is 18 m^2. What is the height of the cuboid?



(1) 6 m
(2) 2 m
(3) 3 m
(4) 9 m

13. At a family day, $\frac{5}{9}$ of the participants are adults and the rest are children. $\frac{1}{4}$ of the children are boys. What fraction of the participants are girls?

(1) $\frac{11}{36}$
(2) $\frac{7}{36}$
(3) $\frac{1}{9}$
(4) $\frac{1}{3}$

(Go on to the next page)

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14. Sheila bought 10 m of cloth. She used $\frac{1}{5}$ of it to make some bibs and $3\frac{1}{2}$ m to make a table cloth. How much cloth was she left with?

(1) $3\frac{7}{10}$ m

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

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

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

15. Alynna had 60 red stickers and 40 green stickers. Alynna gave away 30% of her red stickers and 55% of her green stickers. What percentage of her stickers left was green?

(1) 70%
(2) 60%
(3) 45%
(4) 30%

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(Go on to Booklet B)

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Rosyth School
Semestral Assessment 2
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 _____

Date: 27 Oct 2016 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet B)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are **not** allowed to use a calculator.
4. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	20	

*** This booklet consists of 8 printed pages (including this cover page)**

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

16. List any 2 common factors of 9 and 27.

Ans: _____

17. Find the equivalent ratio.

36 : _____ = 81 : 45

Ans: _____

18. Find the value of $\frac{4}{5} \div 20$.

Give your answer as a fraction in the simplest form.

Ans: _____

(Go on to the next page)

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19. $15.75 \times 4 = 63$

$1.575 \times \square = 63$

What is the missing number?

Do not write in this space

Ans: _____

20. Express 45% as a fraction in its simplest form.

Ans: _____

21. A wholesaler receives a shipment of 6500 plastic files. He wants to pack them into boxes. Each box can contain 30 files. What is the least number of boxes that he needs to pack all the files?

Ans: _____

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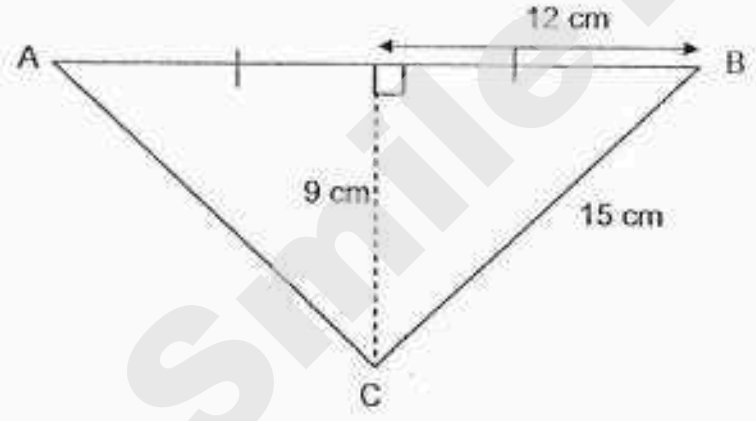
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22. There are 22 pupils in the Swimming Club. Given that there are 6 more boys than girls, what is the ratio of the number of girls to the number of boys? Give your answer in the simplest form.

Do not write in this space

Ans: _____

23. Find the area of triangle ABC below.



Ans: _____ cm^2

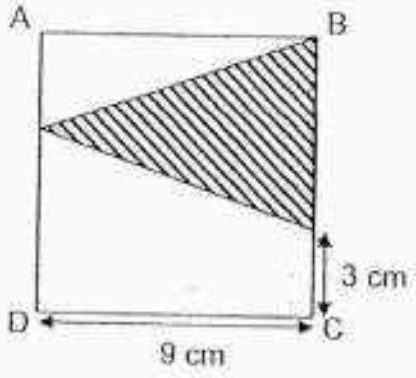
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24. In the figure below, ABCD is a square. Find the area of the shaded triangle.

Do not write in this space



Ans: _____ cm^2

25. Belle walked a total of 6 180 steps for 5 days. What was the average number of steps she took per day?

Ans: _____

.. (Go on to the next page)

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Questions **26** to **30** carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

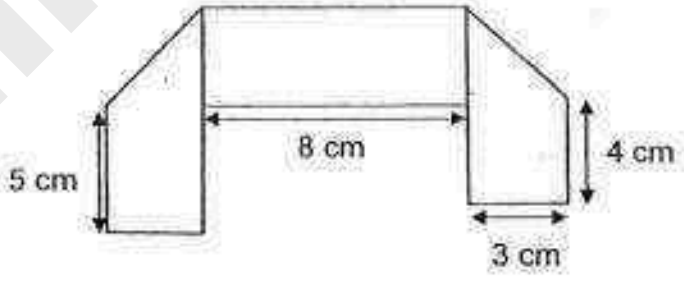
Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

26. Charlene has 6 bottles of apple juice. Each bottle contains 330 ml of ~~water~~ apple. What is the total volume of the apple juice that Charlene has? Express your answer in litres.

Ans: _____ ℓ

27. The figure below is not drawn to scale. A rectangular piece of paper is folded to form the figure as shown below. Find the area of the rectangular piece of paper before it was folded.



Ans: _____ cm^2

(Go on to the next page)

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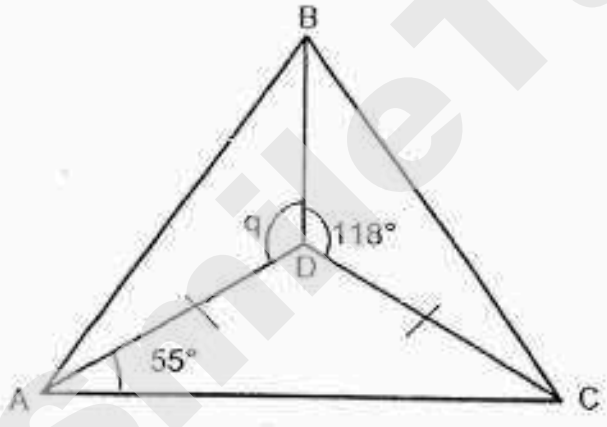
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28. The price of a pen before 7% GST is $3. Elyn bought 5 identical pens. How much did she have to pay for the 5 pens inclusive of GST?

Do not write in this space

Ans: $ _____

29. In the figure below, ABC is a triangle.
AD = DC, ∠BDC = 118°. Find the ∠q.



Ans: _____

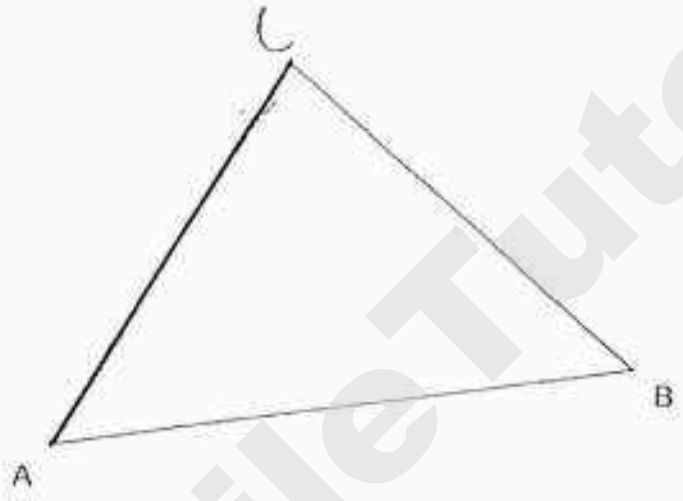
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30. Given AB = 8 cm, construct Triangle ABC such that AC = 6 cm and ∠ CAB = 50°. Label your diagram clearly.

Do not write in this space



End of paper. Have you checked your work?

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Rosyth School
Semestral Assessment 2016
Primary 5 Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 27 Oct 2016 Parent's Signature: _____

Time: 1h 40min

PAPER 2

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. **Show your workings clearly** as marks are awarded for correct working.
4. Write your answers in this booklet.
5. You are allowed to use a calculator.
6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 18	50	

Section	Maximum Mark	Marks Obtained
Paper 1	40	
Paper 2	60	
Total	100	

*** This booklet consists of 15 printed pages (including this cover page)**

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

(10 marks)

All diagrams in this paper are not drawn to scale unless stated otherwise.

Do not write in this space

1. Peter has 40 pieces of wire. Each piece is $\frac{6}{7}$ m long. Find the total length of 40 pieces of wire. Express your answer as a fraction in the simplest form.

Ans: _____ m

2. Mary bought a roll of ribbon. She used $\frac{1}{4}$ of the ribbon to decorate her room. She had $\frac{2}{3}$ m of her ribbon left. Find the length of the ribbon that she bought. Express your answer as a fraction in the simplest form.

Ans: _____ m

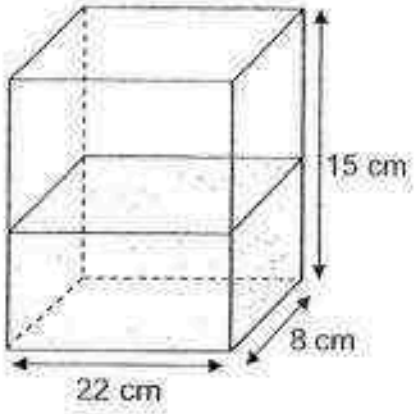
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3. A rectangular fish tank is $\frac{1}{3}$ filled with water.

The dimensions of the tank are 22 cm by 8 cm by 15 cm. How many more litres of water is needed to fill up the fish tank completely?



Do not write in this space

Ans: _____ l

4. In order to get a prize, a pupil must score an average of 89 or more for 3 tests. Kishan scores 86 and 90 for the first 2 tests.
What is the lowest score he needs to get in the third test in order to get a prize?

Ans: _____

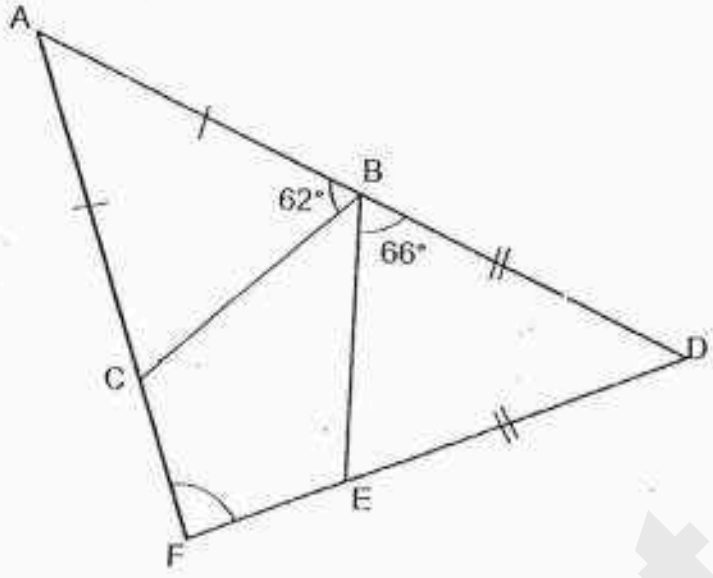
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5. In the diagram below, ABC and BDE are isosceles triangles. AB = AC and BD = DE. AFD is a triangle. Find ∠AFD.

Do not write in this space



Ans: _____

(Go on to the next page)

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For Questions **6** to **18**, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets ( ) at the end of each question or part-question. For questions which require units, give your answers in the units stated.

Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

(50 marks)

6. Siti paid $156 for 3 books and 4 files. One book cost twice as much as a file. How much is the total cost of 4 files?

Ans: _____ [3]

7. David gave 35% of his salary to his wife. He spent 25% of it and saved the remaining $800. How much did he spend?

Ans: _____ [3]

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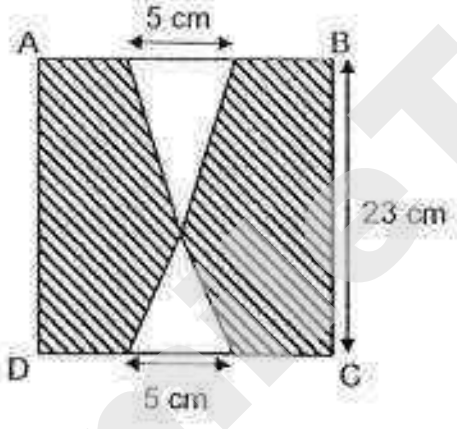
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8. Azul has a number of $2 and $5 notes in the ratio of 7 : 4. The total value of all the notes is $306. How many $5 notes does Azul have?

Do not write in this space

Ans: _____ [3]

9. In the figure below, ABCD is a square of side 23 cm. Find the total area of the shaded parts.



Ans: _____ [3]

(Go on to the next page)

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10. On a bus, $\frac{3}{4}$ of the passengers were males and the rest were females.

On reaching a bus stop, $\frac{2}{3}$ of the male passengers and $\frac{1}{3}$ of the female passengers alighted from the bus. There were 25 passengers remaining on the bus, how many passengers were there on the bus at first?

Do not write in this space

Ans: _____ [3]

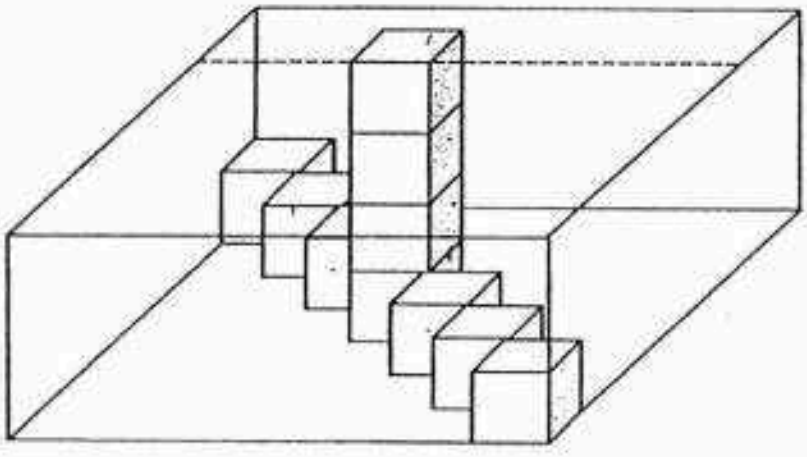
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11. Siti puts ten 1-cm cubes into a transparent tank.

Do not write in this space



(a) What is the volume of the transparent tank?

(b) How many more 1-cm cubes are needed to fill up the whole tank completely?

Ans: (a) _____ [2]

(b) _____ [1]

(Go on to the next page)

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12. 400 men and women were playing Pokemon Go in a park. After an hour, $\frac{3}{4}$ of the men and 50% of the women left the park. Then, there were 80 more women than men who remained in the park. How many men were there in the park at first?

Do not write in this space

Ans: _____ [4]

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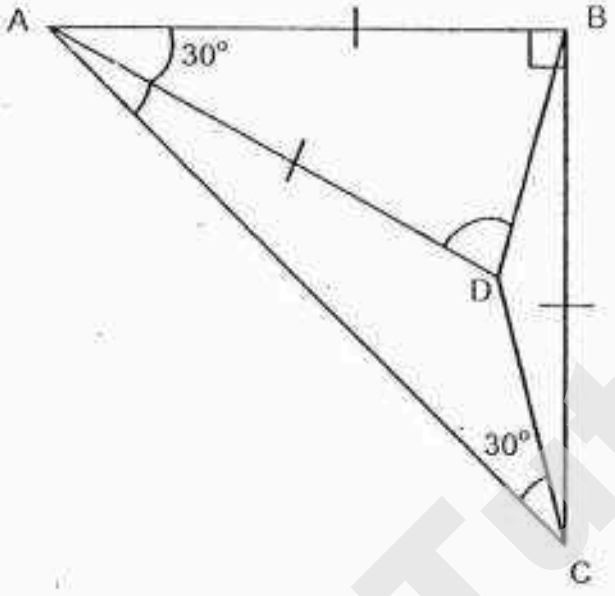
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13. In the diagram shown below, ABC is a right-angled triangle and AB = BC = AD.

(a) Find ∠DAC

(b) Find ∠ADB

Do not write in this space



Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

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14. The average cost of 3 kettles, 4 irons and an oven is $55.40. A kettle costs $8 more than an iron and $72.80 less than an oven. What is the cost of an oven?

Do not write in this space

Ans: _____ [4]

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15. Mrs Tan packed a total of 1 078 calculators and board games into 49 boxes. The calculators and board games were packed in separate boxes. Each box could hold either 28 calculators or 7 board games only.

Do not write in this space

(a) How many board games were there in all?

(b) Mrs Tan paid a total of $15 400 for all the calculators and board games. The cost of one board game is $50. Find the total cost of the calculators.

Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

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16. Andy, Bala and Charlie have some cards. The number of cards Andy has is 12 more than 3 times the number of cards Bala has. The number of cards Charlie has is 24 more than $\frac{2}{3}$ of the number of cards Andy has. Andy has 16 more cards than Charlie.

Do not write in this space

(a) How many cards does Charlie have?

(b) How many cards do the 3 boys have altogether?

Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

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17. A wooden box of unknown mass weighed 20.6 kg when loaded with 20 identical bottles. After Sumaiyah placed 8 more identical bottles and 6 more cans into the box, the total mass increased to 29.84 kg. The mass of a bottle is 385 g more than the mass of a can.

Do not write in this space

(a) What is the mass of a can?

(b) What is the mass of the wooden box?

Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

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18. Kea was having a storewide discount of 10% off its usual price. Mr Lim used his credit card to purchase a sofa set and Mr Tan used cash to pay a similar sofa set.

Do not write in this space

(a) How much did Mr Lim pay in the end after GST? Round off your answer to the nearest cent.

(b) How much did Mr Tan pay in the end after GST? Round off your answer to the nearest **ten cent**.

KEA
10% Storewide Discount!



New Sofa Set!
Usual Price: $1 599
Further discount:

Pay by Credit Card: 10% off discounted price before GST!

Pay by cash: $100 off discounted price before GST!

Mr Lim's torn receipt

KEA
Receipt
Sofa Set
Storewide discount (10%)
Payable
Credit card discount (10%)
Price without GST
7% GST
Total Payable
==========

Ans: (a) _____ [3]

(b) _____ [2]

End of Paper

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YEAR : 2016
LEVEL : PRIMARY 5
SCHOOL : ROSYTH
SUBJECT : MATHEMATICS
TERM : SA2

Paper 1

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

Q16 1, 3

Q17 20

Q18 $\frac{1}{25}$

Q19 40

Q20 $\frac{9}{20}$

Q21 217

Q22 4 : 7

Q23 108 cm^2

Q24 27 cm^2

Q25 1236

Q26 1.98 ℓ

Q27 69 cm^2

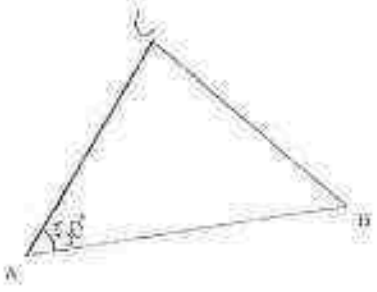
Q28 $16.05

Q29 172°

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Q30



Paper 2

Q1 $34\frac{2}{7}$ m

Q2 $\frac{2}{3} \div 3 = \frac{2}{9}$
$\frac{2}{9} \times 4 \Rightarrow \frac{8}{9}$ m

Q3 Volume of tank → 22 x 8 x 15 = 2640
Amount not filled → $\frac{2640}{3}$ x 2 = 1760 ≈ 1.76 ℓ

Q4 Total to get a prize → 89 x 3 = 267
Total for 2 tests → 86 + 90 = 176
Total for 3rd test → 267 + 176 ⇒ 91 marks

Q5 180° - 56° - 48° ⇒ 76°

Q6 3b → 2 x 3 = 6
4f → 1 x 4 = 4
1u → 156 ÷ (6 + 4) = 15.6
4f → 15.6 x 4 ⇒ $62.40

Q7 Total given/spent → 35 + 25 = 60
Left → 100 – 60 = 40
40 % → 800
1 % → 800 ÷ 40 = 20
Spent → 25 %
Amt spent → 20 x 25 ⇒ $500

Q8 Value of 1 set → (2 x 7) + (4 x 5) = 34
No. of sets → 306 ÷ 34 = 9
Number of 5 → 9 x 4 ⇒ 36

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Q9 471.5 cm^2

Q10
3 + 2 = 5
5u → 25
1u → 25 ÷ 5 = 5
Total u → 12
12 x 5 ⇒ 60 passengers

Q11a 196 cm^3

Q11b
Total volume → 7 x 7 x 4 = 196
196 – 10 ⇒ 186 cubes

Q12
6u → 400 – 160 = 240
1u → 240 ÷ 6 = 40
4u → 4 x 40 ⇒ 160 men

Q13a 15°

Q13b 75°

Q14
Total cost → 55.4 x 8 = 443.2
8u → 443.2 – (8 x 4) – 72.8 = 338.4
1u → 338.4 ÷ 8 = 42.3
Oven → 42.3 + 8 + 72.8 ⇒ $123.10

Q15a
No. of C → 49 + 28 = 1372
Diff → 1372 – 1078 = 294
Diff in 1 box → 28 – 7 = 21
No. of boxes → 294 ÷ 21 = 14
14 x 7 = 98 board games

Q15b
14 x 50 = 700
15400 – 700 = 14700
Total of board games → 98 x 50 = 4900
15400 – 4900 ⇒ $10500

Q16a
1u → 24 + 16 = 40
C → 40 x 2 + 24 ⇒ 104 cards

Q16b
3p → 120 – 12
1p → 108 ÷ 3 = 36
120 + 104 + 36 ⇒ 260 cards

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Q17a Mass 8b & 6c → 29.84 – 20.6 = 9.24
14c → 92.40 – 385 x 8 = 6160
1c → 616 ÷ 14 ⇒ 440 kg

Q17b Mass 1b → 385 + 440 = 825
20b → 825 x 20 = 16500
20600 – 16500 ⇒ 4100 g

Q18a $1385.85

Q18b $1432.80

End

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26

TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

PRIMARY 5 END-OF-YEAR EXAMINATION 2016

Name : _____( ) Date: 24 October 2016

Class : Primary 5 ( ) Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____ Marks: _____ / 100

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS
PAPER 1
(BOOKLET A)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **not** allowed to use a calculator.

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

---

1. The digit 8 in 4 080 367 has a value of _____.

   (1) 80
   (2) 800
   (3) 8 000
   (4) 80 000

2. How many hundreds are there in 30 000?

   (1) 30
   (2) 300
   (3) 3 000
   (4) 30 000

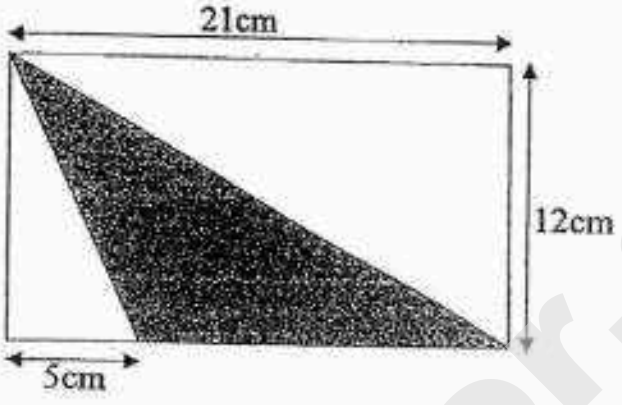
3. 3 thousands + 1 hundred + 6 tenths + 3 hundredths is ☐.
   What is the missing value in the box?

   (1) 3 160.3
   (2) 3 160.03
   (3) 3 100.63
   (4) 3 100.063

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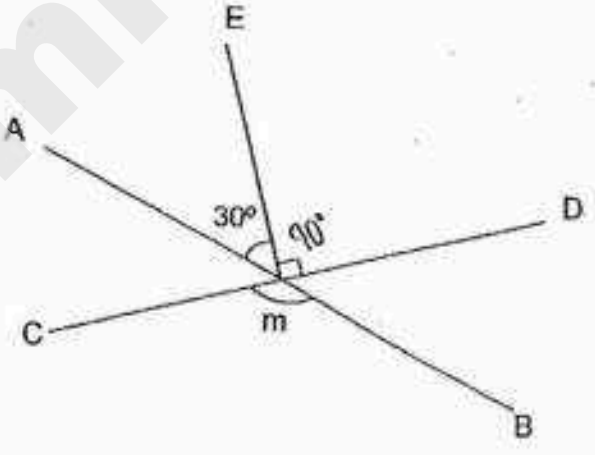
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4. What is the area of the shaded triangle shown?



(1) 96 cm^2
(2) 126 cm^2
(3) 156 cm^2
(4) 192 cm^2

5. The figure below is not drawn to scale. AB and CD are straight lines. Find ∠m.



(1) 30°
(2) 60°
(3) 120°
(4) 150°

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6. In a classroom of pupils, $\frac{2}{5}$ of them are girls. What percentage of the pupils are boys?

(1) 60%
(2) 40%
(3) 3%
(4) 4%

7. A piece of wire measuring 488 m was cut by a machine into 400 equal pieces. What was the length of each piece of wire ?

(1) 0.122 m
(2) 1.22 m
(3) 12.2 m
(4) 122 m

8. Michael gave $\frac{2}{5}$ of his marbles to his sister. He then divided the remainder equally among his 3 friends. If each of his friends receives 12 marbles, how many marbles did Michael have at first?

(1) 12
(2) 24
(3) 36
(4) 60

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9. The total of 4 numbers is 28. When a number was added, the average became 8. What is the value of the number added?

(1) 7
(2) 12
(3) 20
(4) 36

10. Susan bought a tennis racquet at a discount of 20%. She paid $120 for it. What was the price of the racquet at first?

(1) $96
(2) $100
(3) $140
(4) $150

11. Howard spent 3 days making paper boats for his friends. Each day he managed to make 4 more paper boats than the day before. He made a total of 36 paper boats. How many paper boats did he make on the first day?

(1) 8
(2) 12
(3) 16
(4) 24

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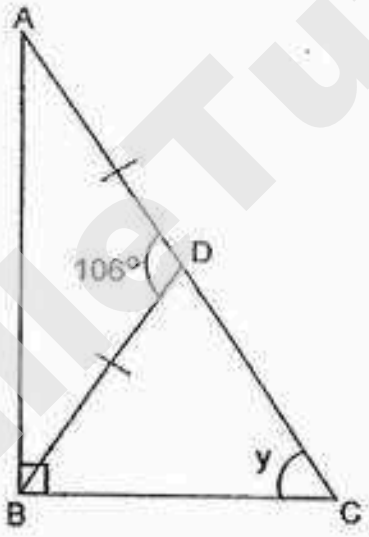
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12. $\square$: 28 = 24 : 42

The missing number in the box is _____.

(1) 12
(2) 16
(3) 20
(4) 24

13. In the triangle below, AD = BD and $\angle ADB = 106°$. Find $\angle y$.



(1) 37°
(2) 53°
(3) 61°
(4) 74°

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14. The ratio of the number of apples to the number of oranges is 7 : 5 .
After 6 more apples were added to the basket, the ratio became 9 : 5 .
How many apples were there at first?

(1) 14
(2) 16
(3) 21
(4) 42

15. The table below shows the postage rates for sending parcels to Indonesia.

Weight	Postage
First 50g	$1.00
Every additional 50g or less	$0.80

Find the postage for sending a parcel which weighs 235g.

(1) $3.20
(2) $3.40
(3) $4.00
(4) $4.20

End of Booklet A

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PRIMARY 5 END-OF-YEAR EXAMINATION 2016

Name : _____ ( ) Date: 24 October 2016

Class : Primary 5 ( ) Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET B)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.

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Questions **16** to **25** carry **1** mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

16. Round off 62 816 to the nearest ten thousand.

Ans: _____

17. Express 6km 3m in km. Leave your answer as a decimal.

Ans: _____km

18. 3 children shared $\frac{9}{13}$ of a pizza. What fraction of the pizza did each child get?

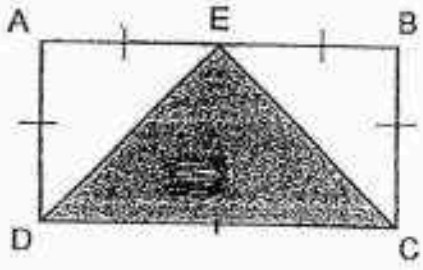
Leave your answer as a fraction in simplest form.

Ans: _____

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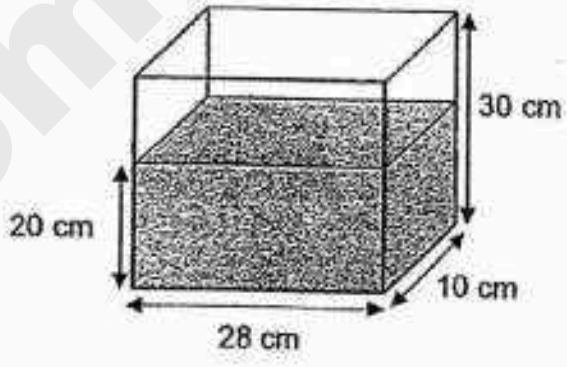
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19. In the figure below, ABCD is a rectangle and AE = BE = BC.
The area of Triangle EBC = 18 cm^2. Find the shaded area.



Ans: _____ cm^2

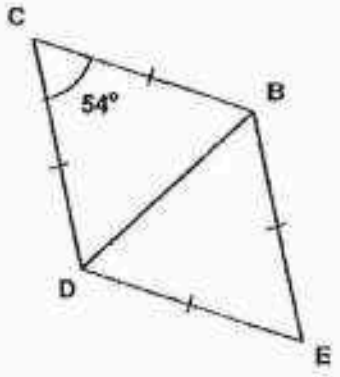
20. The figure below shows a container filled with some water.
How much more water is needed to fill it completely?



Ans: _____ cm^3

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21. BCDE is a rhombus. Given that ∠BCD = 54°, find ∠EDB.



Ans: _____ °

22. The average mass of three boxes is 6kg. The first box weighs 3kg and the second box weighs 2.6kg. Find the weight of the third box.

Ans: _____ kg

23. Study the following number pattern.

70, 72, 71, 70, 70, 71, 72, 71, 70, 70, 71, 72, 71, 70, ...

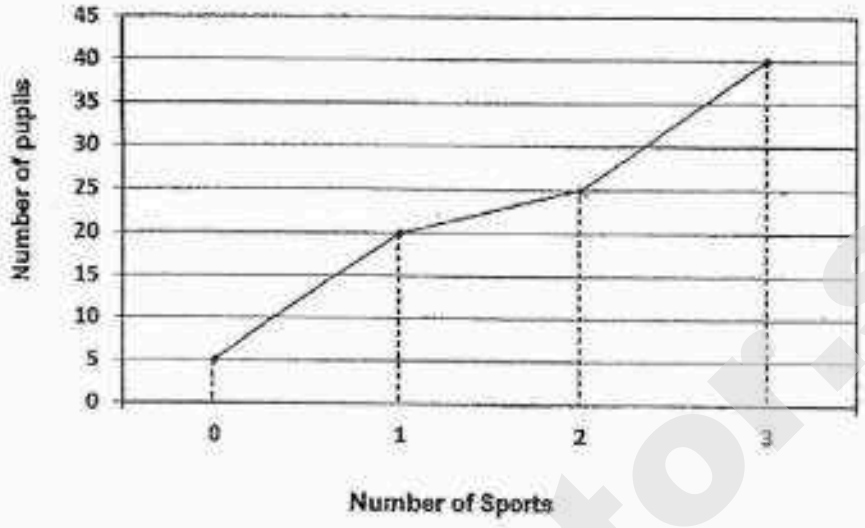
What is the 1004th number in the pattern?

Ans: _____

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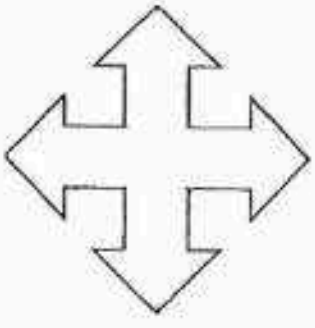
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24. The graph below shows the number of sports that a group of pupils participated in. How many pupils participated in **at least** 1 sport?



Ans: _____

25. How many lines of symmetry are there in the figure below?



Ans: _____

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Questions **26** to **30** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

---

26. Mrs Toh paid a total of $20 for one adult and two child tickets. If a child ticket was $\frac{3}{4}$ of the price of an adult ticket, what was the price of an adult ticket?

Ans: $_____

27. A 2-digit number gives a remainder of 6 when divided by 10.
It gives a remainder of 4 when divided by 8.
What is the smallest possible number ?

Ans: _____

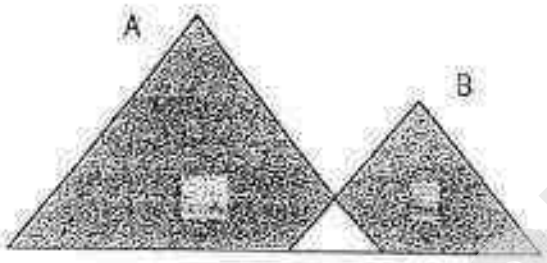
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28. The figure is made up of 2 triangles, A and B, overlapping each other.

$\frac{10}{11}$ of A is shaded and $\frac{4}{5}$ of B is shaded.

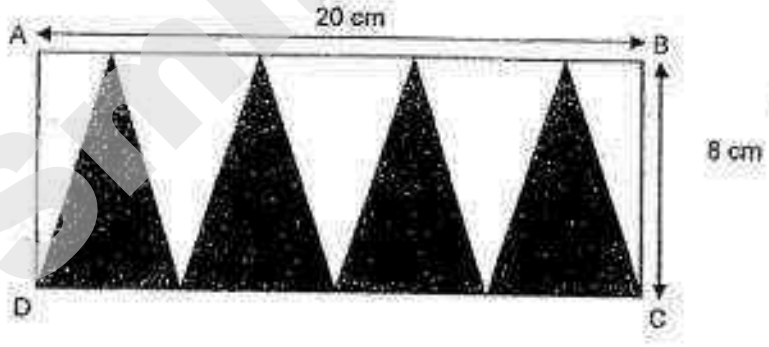
What is the ratio of the shaded area of A to the figure?



Ans: _____

29. In the figure below, ABCD is a rectangle measuring 20 cm by 8 cm.

Find the shaded area.



Ans: _____ cm^2

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30. The table below shows the number of each type of books in a class library.
What percentage of the books in the class library were Mystery books?

	Adventure	Mystery	Fantasy
Number of Books	55	26	49

Ans: _____

End of Booklet B

End of Paper 1

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PRIMARY 5 END-OF-YEAR EXAMINATION 2016

Name : _____( ) Date: 24 October 2016

Class : Primary 5 (Time: 10.00 a.m. – 11.40 a.m.

Parent's Signature : _____

MATHEMATICS

PAPER 2

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register no.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. You are allowed to use a calculator.

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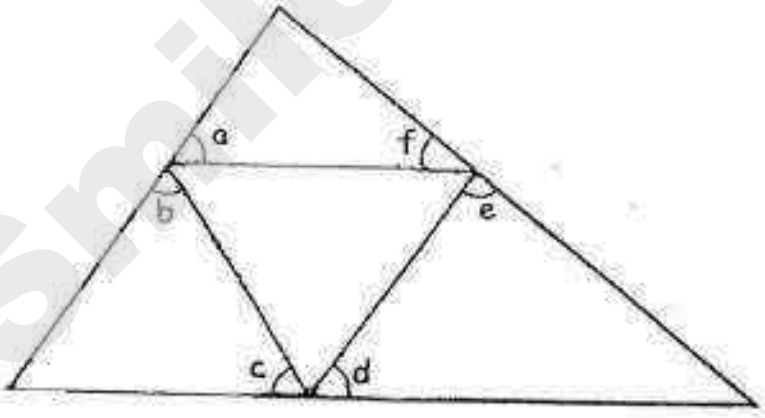
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Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

1. When Janet sells 1 box of cookies, she will earn $1.00. For every 10 boxes of cookies sold, she will earn an additional $2.00. What is the minimum number of boxes of cookies she has to sell if she wants to earn $36?

Ans: _____

2. What is the value of the sum of $\angle a$, $\angle b$, $\angle c$, $\angle d$, $\angle e$ and $\angle f$?

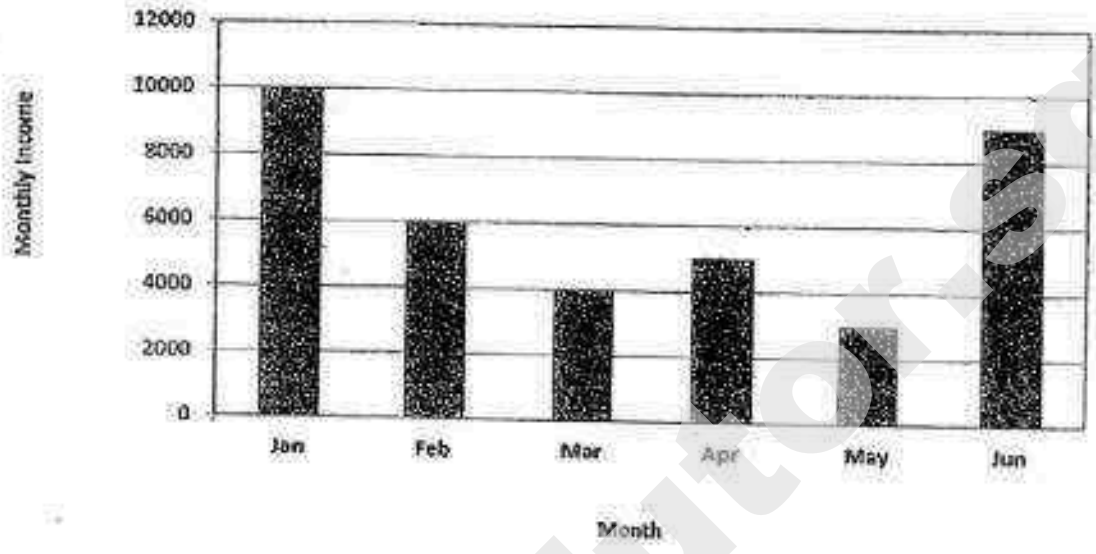


Ans: _____ °

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3. The graph below shows the monthly income of Mrs Tan for the first half of the year. In which month was her income $\frac{3}{5}$ of her combined income in January and April?



Ans: _____

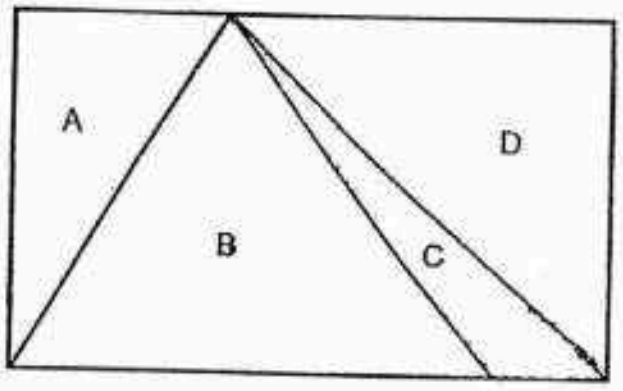
4. During a promotion at a zoo, for every 4 visitors, the 5th visitor will be given a free admission ticket. How many free tickets will be given to a group of 46 visitors?



Ans: _____

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5.



The rectangle above is divided into 4 sections A, B, C and D.
Area C is 15% of the area of the rectangle.
What percentage of the rectangle is the area of B?

Ans: _____ %

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For questions **6** to **18**, 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.
(50 marks)

6. Alice had $175 and Sally had $117. After each of them spent the same amount of money, Alice found that she had three times as much money as Sally left. How much did Alice spend?

Ans: _____ [3]

7. Samuel had a piece of wire 8 m long. He cut 8 pieces each measuring $\frac{1}{2}$ m long from the original piece. The remainder was used to form a square. Find the area of the square.

Ans: _____ [3]

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8. A copper pole weighs 8.5 kg while a plastic pole weighs 5.2 kg.
A total of 45 copper and plastic poles weigh 303.3 kg.
How many plastic poles are there?

Ans: _____ [3]

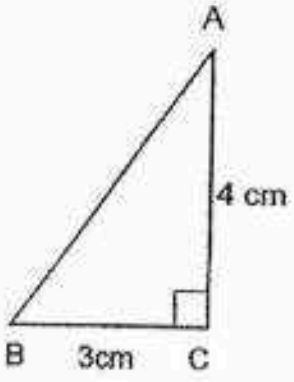
9. A sum of money was shared among 3 girls. Betty had $90 more than Cindy.
The ratio of Alisa's money to Betty's money is 3 : 5.
The ratio of Cindy's money to Alisa's money is 1 : 6 .
Find the sum of money shared by the children.

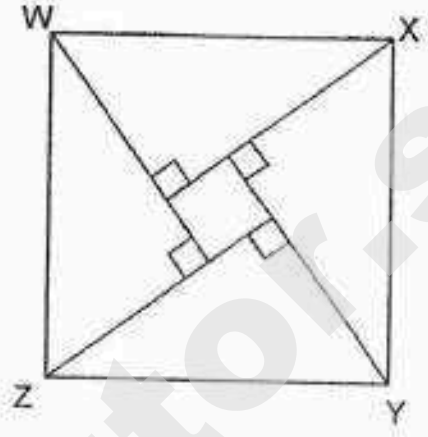
Ans: _____ [3]

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10. ABC is a right-angled triangle. 4 such identical triangles are used to form the square WXYZ. Find the length of each side of the big square WXYZ.





Ans: _____ [3]

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11. Nick has the following scores for his first 3 tests. He wishes to improve his average score by 3 marks. How many marks must he score for his next test?

Test 1	Test 2	Test 3	Test 4
76	69	59	?

Ans: _____ [3]

12. Ronald has a total amount of $3 220 in $10 and $50 notes.
The number of $10 notes is twice as many as the number of $50 notes.
How many notes does he have?

Ans: _____ [4]

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13. A rectangular tank 38 cm long, 23 cm wide, and 18 cm high is $\frac{4}{5}$ full of water. When $\frac{1}{4}$ of the water was removed from the tank, how many litres of water was left in the tank? Express your answer as a decimal correct to 2 decimal places.

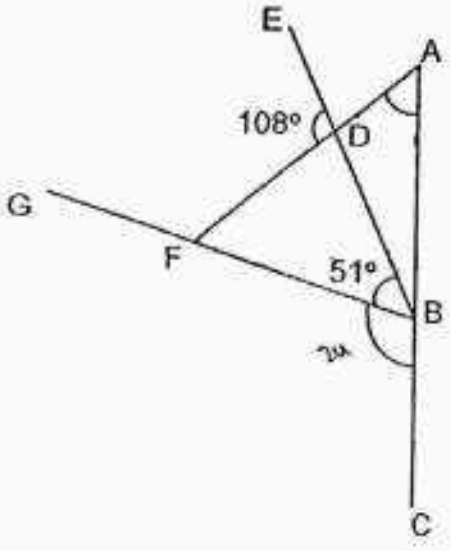


Ans : _____ [4]

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14. In the figure below, not drawn to scale, ABC, BFG, BDE, ADF are straight lines. Given that $\angle CBF$ is twice the size of $\angle FBD$, find $\angle BAF$.



Ans: _____ [4]

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15. A fund-raising project lasted 2 weeks.
In the 1st week, Team A raised 4 times as much money as Team B.
In the 2nd week, Team A raised another $240 while Team B raised another $160.
The total amount raised by Team A was thrice as much money as the total amount raised by Team B.
What was the total amount of money raised by the two teams?

Ans: _____ [5]

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16. Mrs Tan bought the following fruits from a stall.
She paid a total of $25.50 for them.
Find the cost of 100g of rambutans in cents.

 *Grapes* *$5 per kg*	 *Apples* *3 for $1*	 *Rambutans*
1.5 kg	**12**	**4 kg**

Ans: _____ [5]

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17. At a concert, $\frac{1}{6}$ of the audience were children. 60% of the adults were women. There were 48 more women than children.

a) How many women were in the hall?

b) Fifteen minutes before the concert ended, some men left the hall. $\frac{1}{4}$ of the remaining audience were men.
How many men left before the end of the concert?

Ans: a) _____ [2]

b) _____ [3]

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18. Tim baked 4 200 pies. 40% of them were apple pies. How many more apple pies must Tim bake so that 80% of his pies are apple pies?

Ans: _____ [5]

End of Paper 2

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EXAM PAPER 2016 (P5)

SCHOOL : TAO NAN

SUBJECT : MATHEMATICS

TERM : SA2

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

16) 60000 17)6.003km 18)3/13 19)36cm2 20)2800cm3

21)63° 22)12.4kg 23)71 24)85 25)4

26)$8 27)36 28)2 : 3 29)80cm2 30)20%

<u>Paper 2</u>

1)10 x $1 = $10

$10 + $2 = $12

$36 ÷ $12 = 3

3 x 10 = 30

2)540° − 180° = 360°

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3)10000 + 5000 = 15000

15000 x 3/5 = 9000 (June)

4)4 + 1 = 5

46 ÷ 5 = 9R1

5)50% - 15% = 35%

6)$175 – $117 = $58

3 – 1 = 2

$58 ÷ 2 = $29

$29 x 3 = $87

$175 – $87 = $88

7)8m = 800cm

½ m = 50cm

50 cm x 8 = 400cm

800 cm – 400 cm = 400cm

400 cm ÷ 4 = 100 cm

100 cm x 100 cm = 10000cm2

8)5.2kg x 4 = 234kg

303.3kg – 234kg = 69.3kg

8.5kg – 5.2kg = 3.3kg

69.3kg ÷ 3.3kg = 21

45 – 21 = 24 plastic poles

9)10 – 1 = 9

$90 ÷ 9 = $10

$10 x (10+6+1) = $170

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10)4 – 3 = 1

1 x 1 = 1

½ x 4 x 3 = 6

6x 4 = 24

24 + 1 = 25

$\sqrt{25}$ = 5cm

11)76 + 69 + 59 = 204

204 ÷ 3 = 68

(68 + 3) x 4 = 284

284 – 204 = 80

12)$10 x 2 = $20

$20 + $50 = $70

$3220 ÷ $70 = 46

46 x 3 = 138 notes

13)12585.6cm3 x (1 – ¼) = 9439.2cm3

9439.2cm3 = 9439.2ml

~~9.44L

14)51 x (2+1) = 153

180 – 153 = 27

180 – 108 – 27 = 45°

15)4u + $240 = 3u + $480

4u – 3u = $480 – $240 = $240

$240 x (4+1) = $1200

$1200 + $240 + $160 = $1600

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16)$5 ÷ 2 = $2.50

$5 + $2.50 = $7.50

(12 ÷ 3) x $1 = $4

$7.50 + $4 = $11.50

$25.50 – $11.50 = $14

4kg ÷ 100g = 40

$14 ÷ 40 = $0.35

= 35c

17)a)3 – 1 = 2

48 ÷ 2 = 24

24 x 3 = 72 women

b)72 + 24 = 96

96 ÷ (1 – ¾) = 32

48 – 32 = 16 men

18)4200 x 40/100 = 1680

4200 – 1680 = 2520

100/100 – 80/100 = 20/100

(2520 ÷ 20) x 80 = 10080

10080 – 2520 = 8400 more

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