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

Name: _____ ( )

Form Class: P5 _____ Math Teacher: _____

Date: 29 Oct 2015 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 106.135 to the nearest hundredths.

   (1) 100

   (2) 110

   (3) 106.13

   (4) 106.14

2. Express $\frac{32}{5}$ as a mixed number.

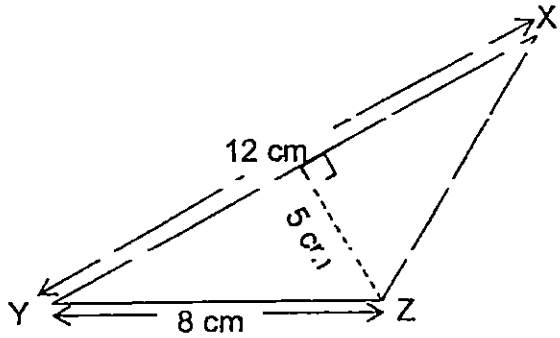
   (1) $3\frac{2}{5}$

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

   (3) $7\frac{2}{5}$

   (4) $30\frac{2}{5}$

3. Find the area of the triangle XYZ.



   (1) 20 cm^2

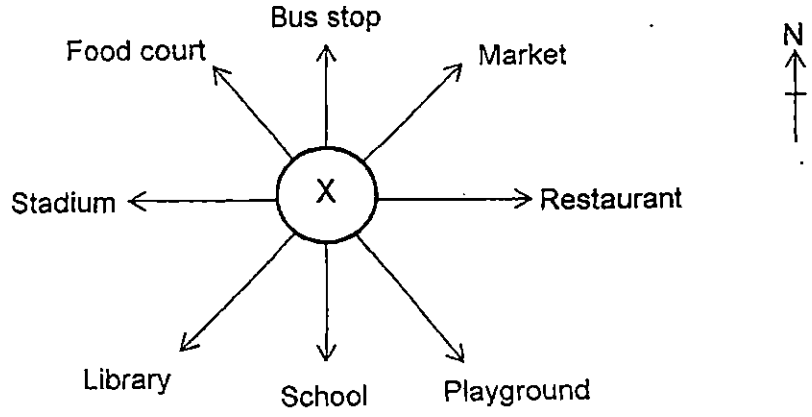
   (2) 24 cm^2

   (3) 30 cm^2

   (4) 48 cm^2

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4. Ronnie was standing at the point marked X in the figure below. He was facing the school at first. He turned 135° anti-clockwise and then 270° clockwise.
Where would he be facing now?



(1) Market

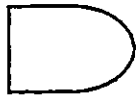
(2) Playground

(3) Food court

(4) Restaurant

5. Which one of the shapes below can be tessellated?

(1) 

(2) 

(3) 

(4) 

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6. At a shopping centre, the number of toys sold on Sunday was 12 000 when rounded off to the nearest thousands.
Which one of the following could be the actual number of toys sold on that day?

(1) 12 520

(2) 12 969

(3) 11 592

(4) 11 478

7. The original price of a book was $20.
Chloe bought the book for $16 during a sale.
What was the percentage discount given to the book Chloe bought?

(1) 20%

(2) 25%

(3) 80%

(4) 125%

8. Express $2\frac{3}{4}$ as a decimal.

(1) 2.25

(2) 2.30

(3) 2.34

(4) 2.75

9. Denise had 8 green stickers, 20 yellow stickers and 12 red stickers.
Find the ratio of the number of red stickers to the total number of stickers.

(1) 1 : 2

(2) 1 : 5

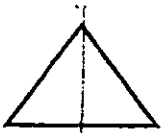
(3) 3 : 7

(4) 3 : 10

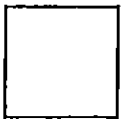
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10. Which one of the following figures does not have a line(s) of symmetry?

(1) 

(2) 

(3) 

(4) 

11. A class has 40 students. Each student eats an average of 4 fruits a week. If one of the students eats 3 more fruits that week, what is the total number of fruits eaten by the class?

(1) 120

(2) 123

(3) 160

(4) 163

12. Andy, Jenny and Cassie had some money in the ratio 1 : 4 : 6.

Cassie had $50 more than Andy.

What was the total amount of money Jenny and Cassie had?

(1) $10

(2) $25

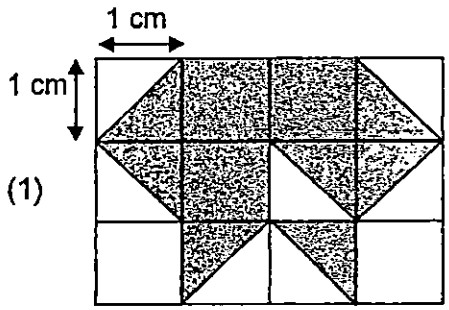
(3) $100

(4) $250

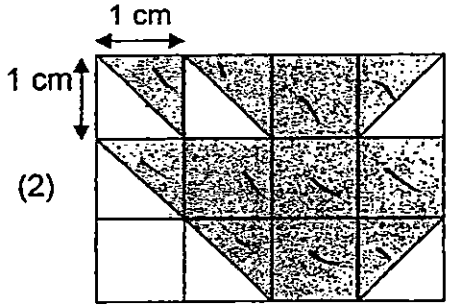
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13. Which of the following figures has the biggest shaded area?

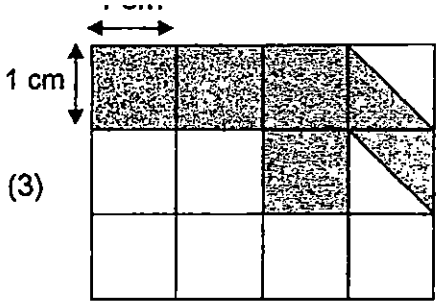
(1)



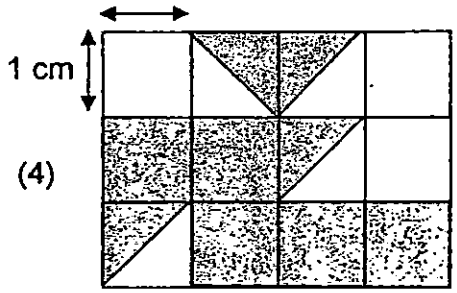
(2)



(3)



(4)



14. Jessica spent $\frac{1}{2}$ of her money on some books. She spent $\frac{1}{6}$ of the remainder on an ice-cream and had \$15 left. How much did she spend on the books?

(1) \$18.00

(2) \$22.50

(3) \$21.00

(4) \$36.00

15. Tom had 36 red beads and John had 28 green beads. Each of them packed their own beads equally into smaller bags. After packing, they had the same number of beads in each bag.
How many bags of beads did Tom have?

(1) 16

(2) 9

(3) 7

(4) 4

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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.

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16. Arrange the following from the smallest to the largest.

$1.2 \quad , \quad 1\frac{1}{8} \quad , \quad 1.08 \quad , \quad \frac{4}{3}$

Ans: _____ , _____ , _____ , _____

17. Find the value of 0.35×60.

Ans: _____

18. Jay is shorter than Lina.
Rex is taller than Jay.
Ali is shorter than Rex but taller than Lina.
Who is the tallest?

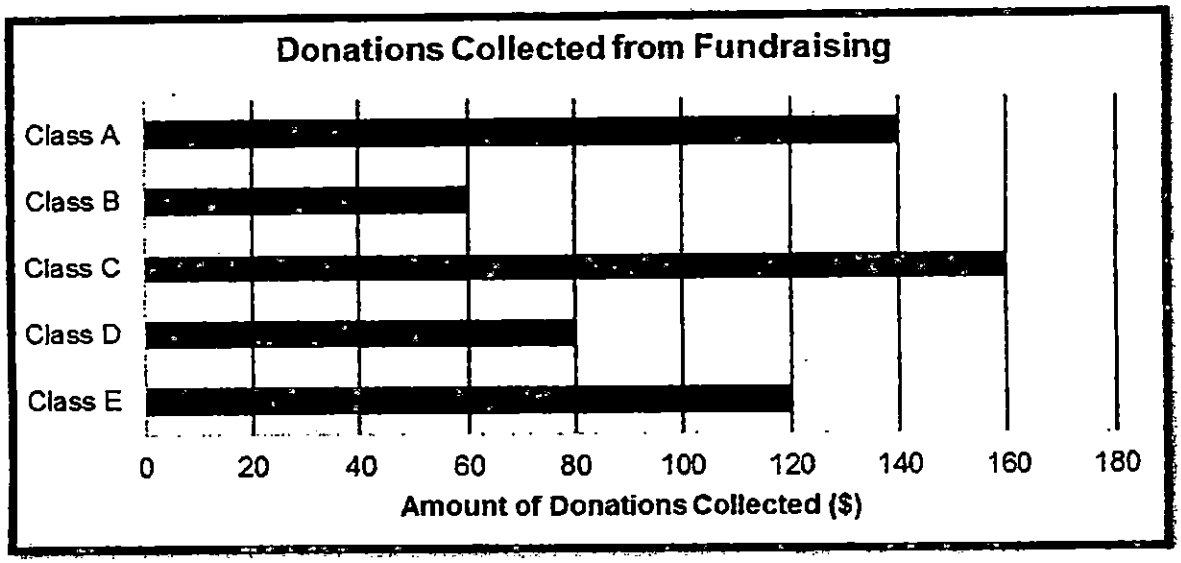
Ans: _____

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19. A class of 20 pupils is given $\frac{2}{3}$ m of ribbon each. What is the total length of ribbon the class of pupils received? Express you answer as a mixed number in the simplest form.

Ans: _____ m

20. The bar graph below shows the amount of donations each class collected from a fundraising event.



What was the total amount collected by classes A, C and D?

Ans: $ _____

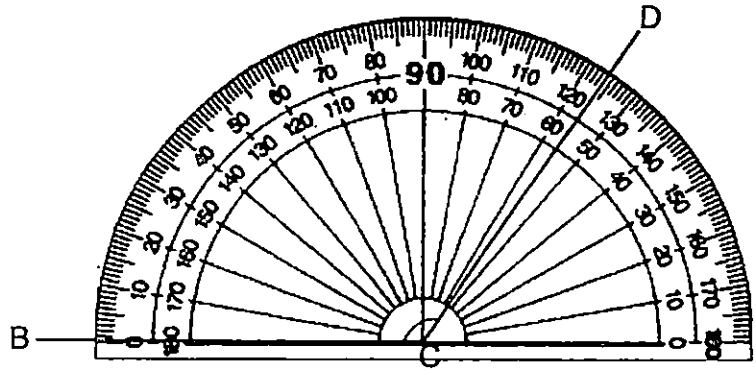
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21. The table below shows the number of rainy days in Singapore from January to May. Find the average number of rainy days from January to May.

Month	Rainy Days
January	19
February	13
March	17
April	21
May	20

Ans: _____

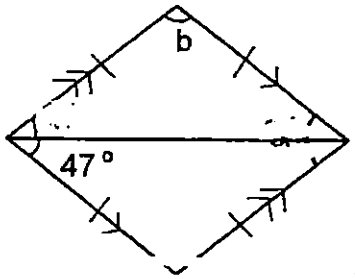
22. In the figure below, find the $\angle$ BCD.



Ans: _____ °

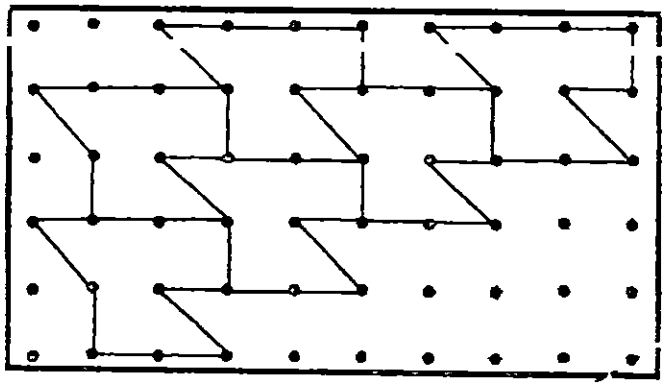
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23. The figure below is a rhombus.
Find $\angle b$ in the figure below.



Ans: _____ °

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



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25. There are 200 animals in an animal shelter. There are 80 dogs, 90 cats and the rest are rabbits. What percentage of the animals are rabbits?

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. Mrs Lim uses $\frac{2}{5}$ kg of flour to bake a cake. What is the number of such cakes she can bake with 4 kg of flour?

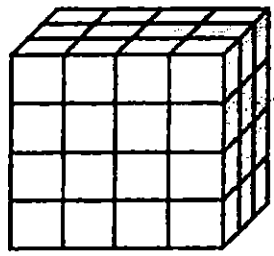
Ans: _____

27. Jon made some lemonade by adding 2 ℓ of water and 600 m ℓ of lemon juice into a container. He then poured it equally into 8 cups.
How many litres of lemonade was there in each cup?

Ans: _____ ℓ

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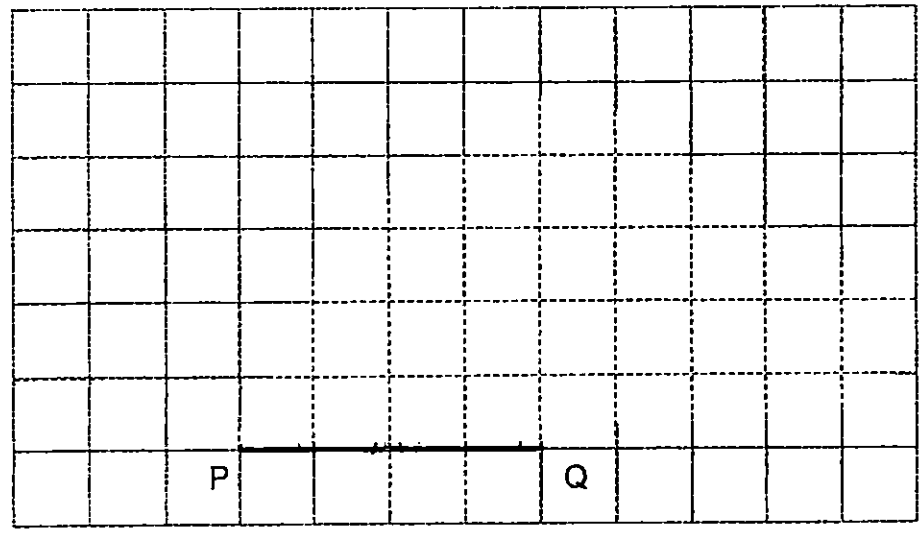
28. The figure below shows a cuboid made up of some identical 1-cm cubes. What is the volume of the cuboid after 6 cubes have been removed?



Ans: _____ cm^3

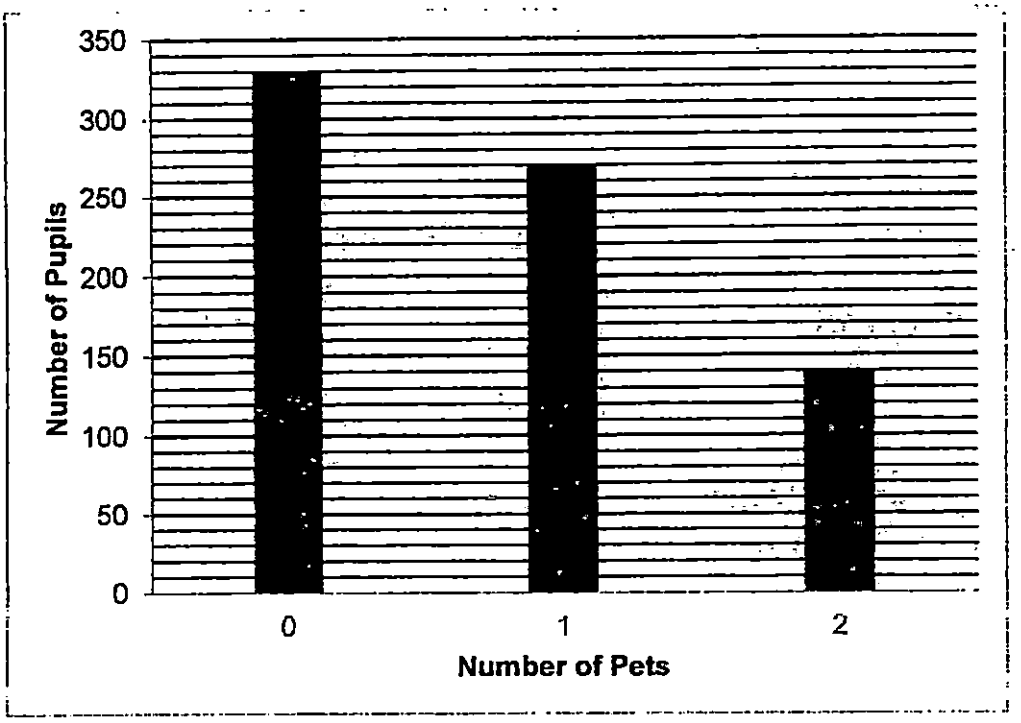
29. In the space below, complete the drawing of triangle PQR, in which PQ = QR and ∠PQR= 90°.

The line PQ has been drawn for you.



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30. Class 5T did a survey on the number of pets each pupil had.
The results of the survey are shown in the bar graph below.



Find the total number of pets that are owned by pupils who have 2 or fewer pets.

Ans: _____

End of Paper
☺ Please check your work carefully ☺

Setters : Ms Kim Ang
Ms Tan Li Zhen
Mdm Wirda Sukor

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

Name: _____ ( )

Form class: P5 _____ Math Teacher: _____

Date: 29 Oct 2015 Duration: 1 h 40 min

Your Paper 2 Score (Out of 60 marks)	

INSTRUCTIONS TO CANDIDATES

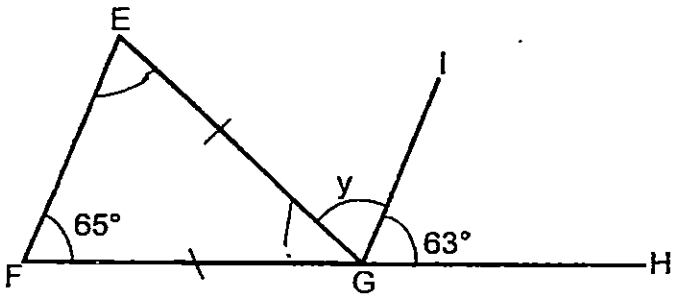
1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. The use of calculator is allowed for this paper.

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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)

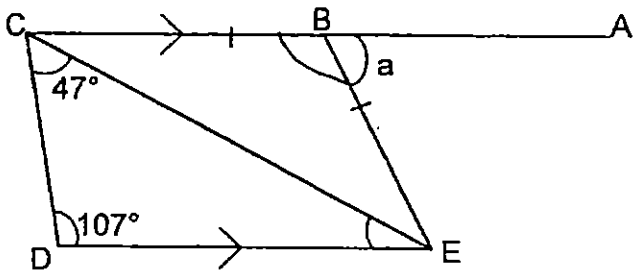
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1. In the figure below, EFG is an isosceles triangle and FGH and GI are straight lines. Find $\angle y$.



Ans: _____ ° [2]

2. In the figure below, ABC is a straight line. CBE is an isosceles triangle. CB and DE are parallel lines. Find $\angle a$.



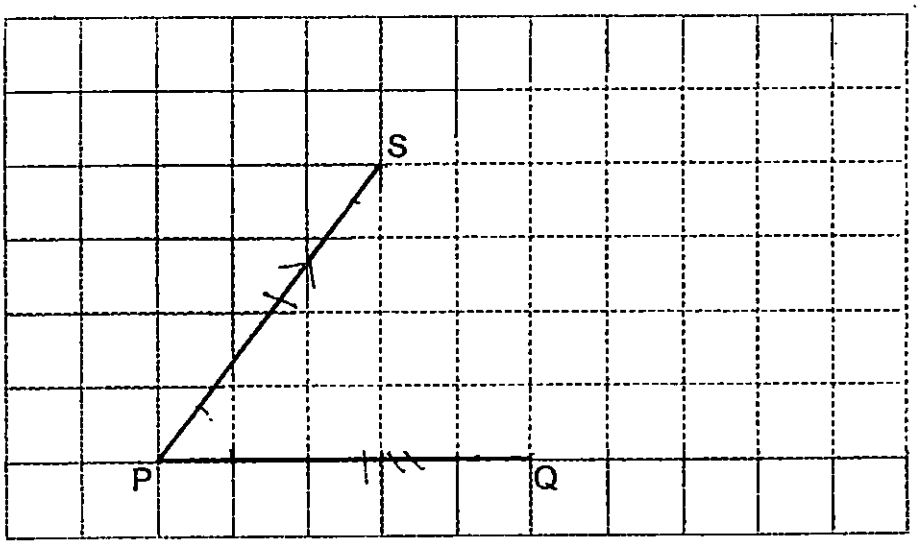
Ans: _____ ° [2]

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3. Mrs Lee baked 2000 cookies. She gave her two children 350 cookies each and baked another 450 cookies. How many cookies did she have in the end?

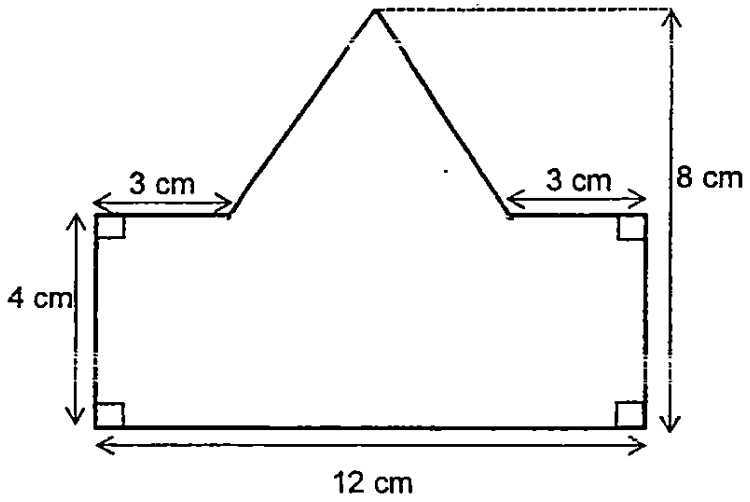
Ans: _____ [2]

4. In the figure below, PQ and PS are two sides of a rhombus PQRS.
Complete the rhombus by drawing two more lines in the square grid below. [2]



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5. Find the area of the figure below.



Ans:_____cm^2 [2]

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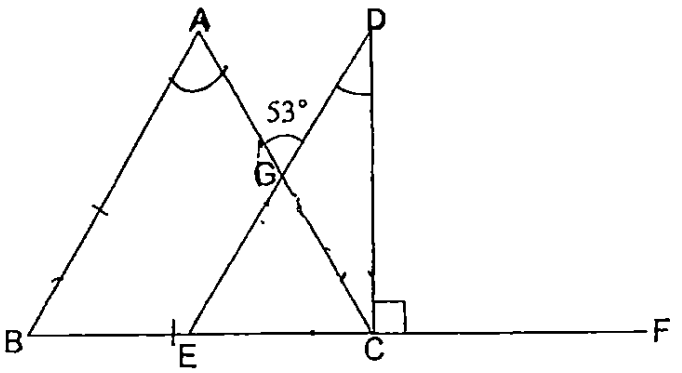
For questions **6** to **18**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
Figures are not drawn to scale.
The number of marks available is shown in the brackets [ ] at the end of each question or part-question. (50 marks)

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6. Ann and Bella went to buy some identical files and writing pads from a bookstore. Ann paid $33 for 2 files and 2 writing pads.
Bella paid $71.10 for 5 files and 2 writing pads.
How much would 5 files cost at this bookstore?

Ans : _____ [3]

7. In the figure, ABC is an equilateral triangle. BECF is a straight line.
$\angle AGD$ is 53°. Find $\angle EDC$.



Ans: _____ [3]

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8. 40 pupils from Class 4A sat for a test. The average score for the test was 76.8. Later, it was discovered that the score of one pupil was wrongly recorded as 62. After correcting the score, the average score of the class was 77.2.
What was the actual score of this pupil?

Ans: _____ [3]

9. Rachel had 96 marbles and Jane had 300 marbles. Mr Loh gave each of them an equal number of marbles. After that, Jane had three times as many marbles as Rachel.

(a) How many marbles did Mr Loh give to Rachel?
(b) In the end, how many marbles did the girls have altogether?

Ans: a) _____ [3]

b) _____ [1]

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10. Jaya Primary School had 2480 pupils altogether. There were 420 more girls than boys in the school.

(a) What is the percentage of the boys in Jaya Primary School?
Round off your answer to 2 decimal places.

(b) 60% of the boys and 30% of the girls of the school participated in a swimming competition.
What is the difference between the number of boys and number of girls who participated in the competition?

Ans : (a) _____ [2]

(b) _____ [2]

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11. The parking charges at a shopping centre are as follows:

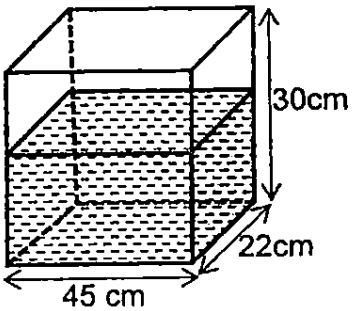
First hour or less	$2.50
Every subsequent hour or part thereof	$1.10

Mrs Chan parked her car at the shopping centre from 1.25 p.m. to 7 p.m..
How much would she have to pay for the parking?

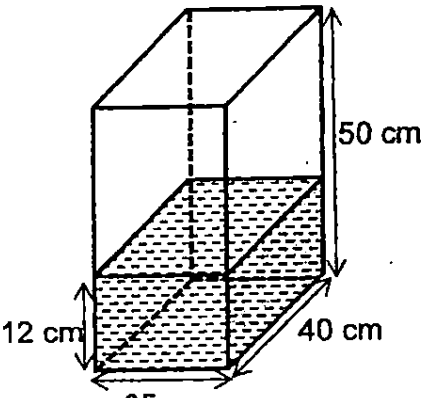
Ans: _____ [3]

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12. The diagram below shows tank A and tank B filled with some water initially. Tank A measuring 45 cm by 22 cm by 30 cm is $\frac{2}{3}$ filled with water.



Tank A



Tank B

(a) Find the volume of water in Tank A.

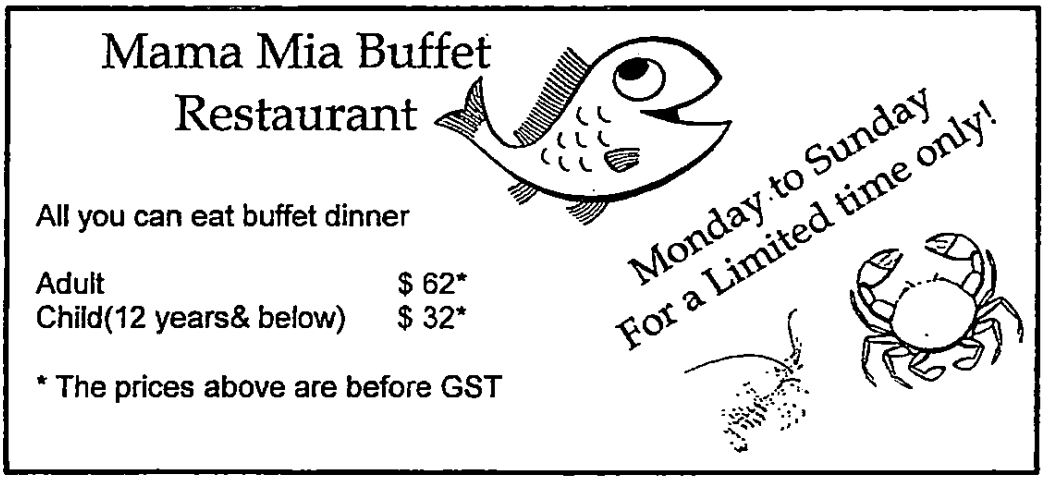
(b) Ray poured all the water from Tank A to Tank B without spilling. How much more water is needed to fill Tank B to its brim?

Ans: (a)_____ [1]

(b)_____ [3]

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13.



The advertisement above shows the pricing of a buffet dinner at Mama Mia Buffet Restaurant.

(a) How much does an adult pay for his buffet dinner at the restaurant after 7% GST?

(b) Some adults and one child went for the buffet dinner at Mama Mia Buffet Restaurant. They paid $ 365.94 in total after 7% GST.

How many adults went for the dinner?

Ans: (a) _____ [1]

(b) _____ [3]

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14. At a bus interchange, 23 more adults than children boarded a bus. When the bus reached Bus Stop Y, 12 adults alighted and 5 children boarded it. When the bus reached Bus Stop Z, only 10 children alighted. In the end, there were 3 times as many adults as children left on the bus.

(a) How many children were left on the bus after 10 children alighted at Bus Stop Z?

(b) How many adults boarded the bus at the bus interchange?

Ans: (a) _____ [2]

(b) _____ [2]

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15. Amir had 72 coins that were either 20¢ or 50¢ coins. He paid for 3 books at $8 each, and he still had $7.20 left.

How many 50¢ coins did Amir have at first?

Ans: _____ [4]

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16. Aini receives an allowance of $2.20 while Lisa receives 40¢ more than her every day. Every day, Aini saves 90¢, which is three times as much as what Lisa saves every day.

(a) How many days will Lisa take to save $15.60?

(b) How much would Lisa have spent when Aini has spent $185.90?

Ans: (a) _____ [2]

(b) _____ [3]

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17. There are some pupils in a class.

$\frac{3}{8}$ of the girls and $\frac{3}{5}$ of the boys of the class can swim.

20 pupils of the class cannot swim. There is an equal number of boys and girls who cannot swim.

How many pupils are there in the class?

Ans: _____ [4]

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18. Ali has a box of red and green marbles. If he puts in 10 more red marbles, there will be $\frac{1}{5}$ as many red marbles as green marbles in the box. If he removes 20 red marbles from the box, the ratio of the number of red marbles to green marbles is 2 : 25.

a) How many red marbles are there in the box?

b) Find the total number of red and green marbles in the box.

Ans: (a) _____ [3]

(b) _____ [2]

End of Paper
Please check your work carefully ☺

Setters : Ms Kim Ang
Ms Tan Li Zhen
Mdm Wirda Sukor

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LEVEL : PRIMARY 5
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

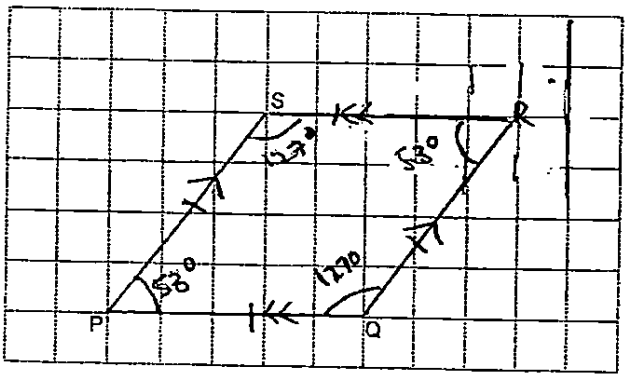
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	3	3	4	3	1	4	4	3
Q11	Q12	Q13	Q14	Q15					
4	3	2	1	2					

Q1. 67°
65 x 2 = 130
180 – 130 =50
50 + 63 = 113
180 – 113 = 67

Q2. 52 °
107 + 47 = 154
180 – 154 = 26
26 x 2 = 52
180 – 52 = 128
180 – 128 = 52

Q3. 1750 cookies
350 x 2 = 700
2000 – 700 = 1300
1300 + 450 = 1750

Q4. **SEE PICTURE**



Q5. 60cm²
½ x 4 x 6= 12
4 x 12 = 48
48 + 12=60

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2f =$33
5f = $71.10
3f = $38.10
1f=$12.70
5f = $63.50

Q7. 23°
90 + 60 = 150
180 – 100 = 30
53 X 2 = 106
360 – 106 = 254
254÷2= 127
127 +30 = 157
180 -157= 23

Q8. 78 marks
76.8 x 40 = 3072
77.2 x 40 = 3088
3088 – 3072 = 16
62 + 16 = 78

Q9a. 6 marbles
204 ÷ 2 = 102, 1u → 102

Q9b. 408 marbles
3+1 = 4, 4 x 102 = 408

Q10a. 41.53%
2480 – 420 = 2060
2060 ÷ 2 = 1030
$\frac{1030}{2480}$ X 100 ≈ 41.53%

Q10b. 183 boys
1030 + 420 = 1450 (girls)
1% → 10.3
60% → 618

Q11. $8
4hr + 35min ≈5hr
5 x 1.10 = 5.50
5.50 + 2.50 = 8

Q12a. 19800
30÷3=10
10 x 2 =20
20 x 45x22=19800

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Q12b. 35 litre
50 x 40 x 35 = 16800
70000-16800 – 19800 = 33400
33400÷1000 = 33.4

Q13a. $66.34
100%→ 62
1%→ 0.62
7% GST of $62 is $4.34,
Total→ $62 + $4.34 = $66.34

Q13b. 5 adults
107% →365.94
1% →3.42
100%→ 342
342 – 32 = 310
310 ÷ 62 = 5

Q14a. 8 children
23 + 5= 28
28 - 12 = 16
16 ÷ 2 = 8

Q14b. 36 adults
Adults left at BS Y 5 + 11=16
Adults at BS at first 24 + 12 = 36

Q15. 56 girls
3 x 8 = 24
24 + 7.20 = 31.20
Assume all are 20¢ coins
20¢ x 72 = 14.4
31.20 – 14.4=16.8
50¢ - 20¢ = 30¢
16.8 ÷0.30 = 56

Q16a. 52 days
2.20 + 0.40 = 2.60
90 ÷ 3 = 30¢
15.60 ÷ 0.30 = 52

Q16b. $328.90
2.20 – 0.90 = 1.30
185.90 ÷1.30 = 143
260 – 0.30 = 2.30
2.30 x 143 = 328.90

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Q17. 41 pupils
20÷20=1
16+25 = 41
41 x 1 = 41

Q18a. 40 marbles
3 units 30
1 unit 10
5 units 50
50 – 10 = 40

Q18b. 290 marbles
10 x 25 = 250
250 + 40 = 290

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EXAM PAPER 2015
LEVEL : PRIMARY 5
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

PAPER ONE – Q16 to Q30.

Q16. 108, 1⅛, 1.2, $\frac{4}{3}$ Q17. 21 Q18. REX

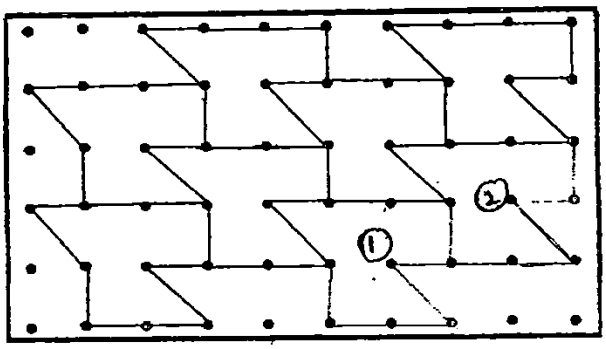
Q19. 13➔⅓m ⅔m x 20 = $\frac{40}{3}$ = 13⅓m

Q20. $380 ➔140+160+80=380

Q21. 18 ➔19 +13+17+21 =90, 90÷5=18

Q22. 124° Q23. 86° ➔180 – 47 – 47 = 86

Q24. **SEE PICTURE**



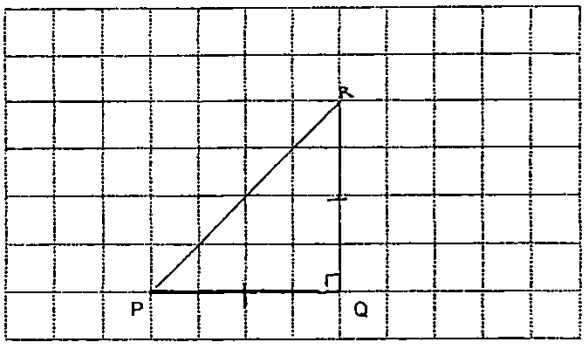
Q25. 15% ➔200-80-90=30, $\frac{30}{200}$ x 100% = 15%

Q26. 10 ➔⅖kg =400g, 4kg =4000g, 4000÷400=10

Q27. 0.325➔ 1l = 1000ml, 2l+600ml = 2600ml, 2600ml ÷8=325ml = 0.325litre

Q28. 42cm³➔ 4 x 3 x4=48, 6x1=6, 48-6=42

Q29. **SEE PICTURE** The line PQ has been drawn for you.



Q30. 550 ➔140 x 2 = 280, 270 x 1 = 270, 330 x 0 =0, 280+270=550

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