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

Name: _____ ( )

Form Class: P5 _____ Math Teacher : _____

Date: 7 May 2018 Duration: 1 hour

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

INSTRUCTIONS TO CANDIDATES

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

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

1. In 56 807, what does the digit 6 stand for?

   (1) 600

   (2) 6000

   (3) 60 000

   (4) 600 000

2. 675 000 ÷ 300 = _____ .

   (1) 225

   (2) 2250

   (3) 22 500

   (4) 225 000

3. 5 tens, 3 hundredths and 6 thousandths is the same as _____ .

   (1) 0.536

   (2) 50.36

   (3) 50.036

   (4) 6350

4. Express 9.55 as a mixed number in its simplest form.

(1) $9\frac{11}{20}$

(2) $9\frac{11}{200}$

(3) $9\frac{55}{100}$

(4) $9\frac{55}{1000}$

5. $9 \div 24 =$ _____.

Leave your answer in its simplest form.

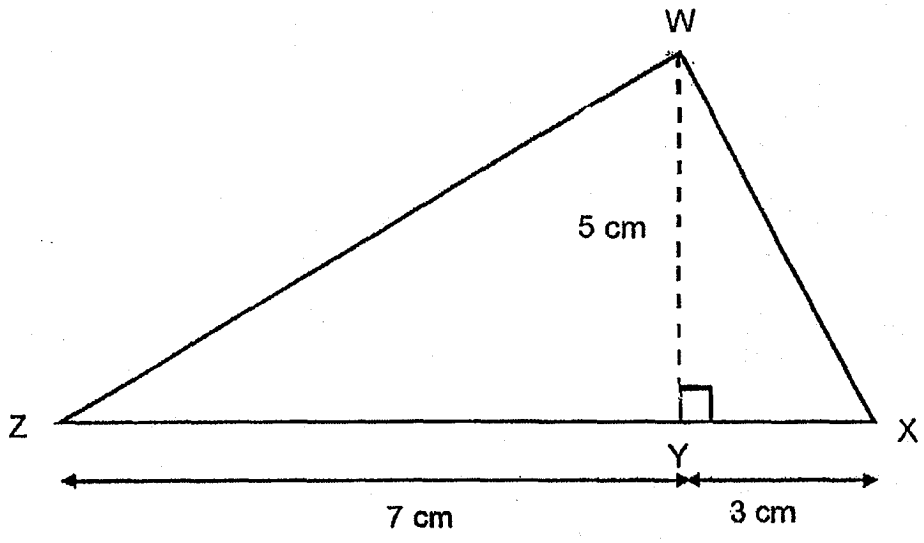
(1) $\frac{3}{8}$

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

(3) $\frac{9}{24}$

(4) $2\frac{6}{9}$

6. Find the area of the triangle WXZ.



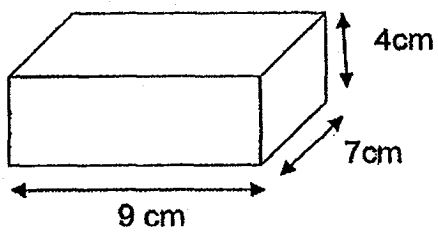
(1) 15 cm^2

(2) 25 cm^2

(3) 35 cm^2

(4) 50 cm^2

7. Find the volume of the cuboid shown below.



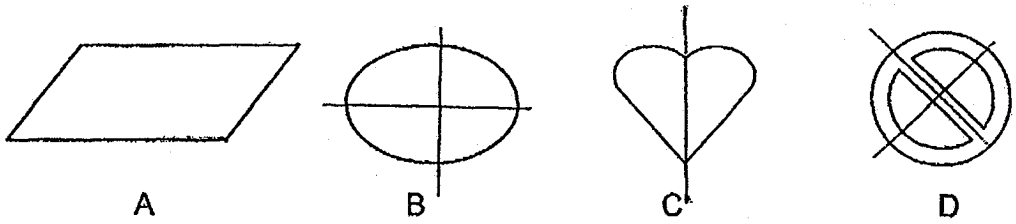
(1) 28 cm^3

(2) 63 cm^3

(3) 242 cm^3

(4) 252 cm^3

8. Which of the following figures have only 2 lines of symmetry?



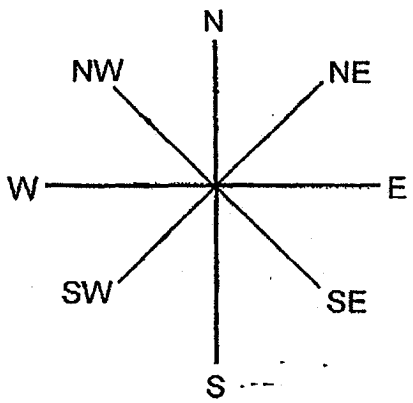
(1) A and B

(2) A and C

(3) B and C

(4) B and D

9. The figure shows an 8-point compass. John was facing north-east (NE) at first. He then turned 225° anti-clockwise. Which direction is he facing now?



(1) North (N)

(2) South (S)

(3) East (E)

(4) West (W)

10. What is the missing number in the box below?

16 : $\square$ = 36 : 45

(1) 18

(2) 20

(3) 25

(4) 30

11. Dean thinks of an even number between 1 and 20. It is a factor of 48 and a multiple of 6. What is the number?

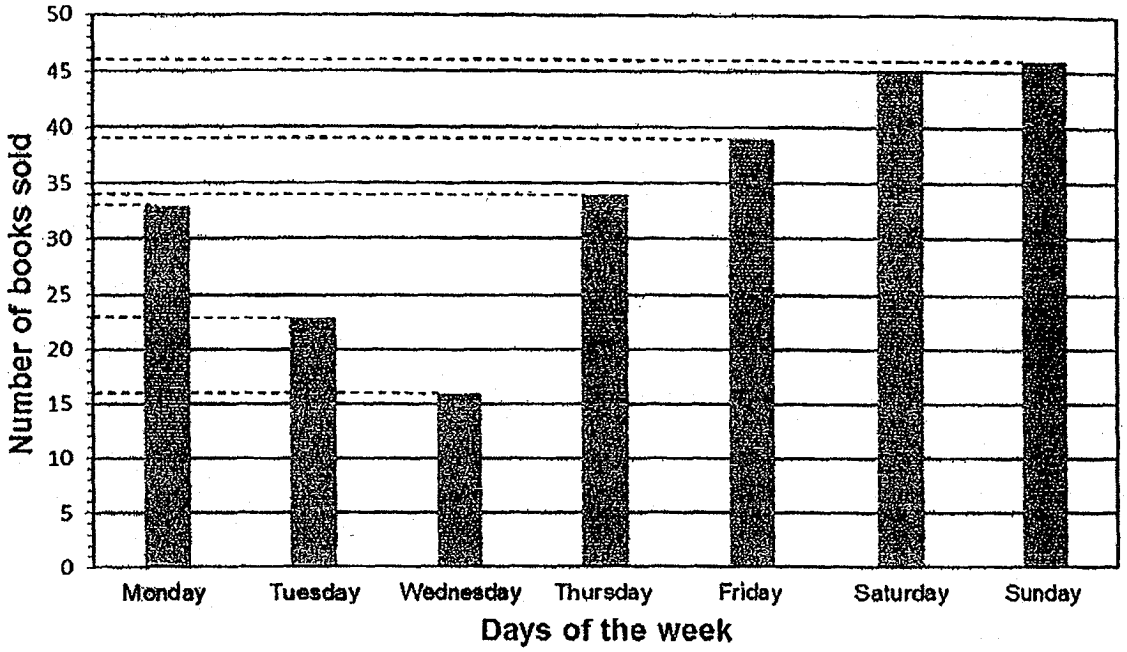
(1) 3

(2) 6

(3) 16

(4) 24

12. Mr Goh had 250 books in his bookstore at first.
The graph shows the number of books he sold in a week.



How many books were unsold at the end of Wednesday?

(1) 72

(2) 164

(3) 178

(4) 234

13. Joy and Siti had a total of 360 beads at first. Joy lost 28 beads while Siti bought another 18 beads. Both of them had an **equal number** of beads in the end. How many beads did Joy have in the end?

(1) 157

(2) 175

(3) 185

(4) 203

14. A box with 20 identical balls has a mass of 5.08 kg. The same box with half the number of balls has a mass of 3.78 kg. What is the mass of 5 balls?

(1) 0.6 kg

(2) 0.65 kg

(3) 6 kg

(4) 6.5 kg

15. Jolyn had $\frac{5}{8}\ell$ of cooking oil. She used $\frac{3}{10}$ of it frying chicken wings for a party. How much cooking oil had she left?

(1) $\frac{3}{16}\ell$

(2) $\frac{7}{16}\ell$

(3) $\frac{13}{40}\ell$

(4) $\frac{27}{40}\ell$

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

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16. Find the value of $240 \div 3 \times 8$.

Ans: _____

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

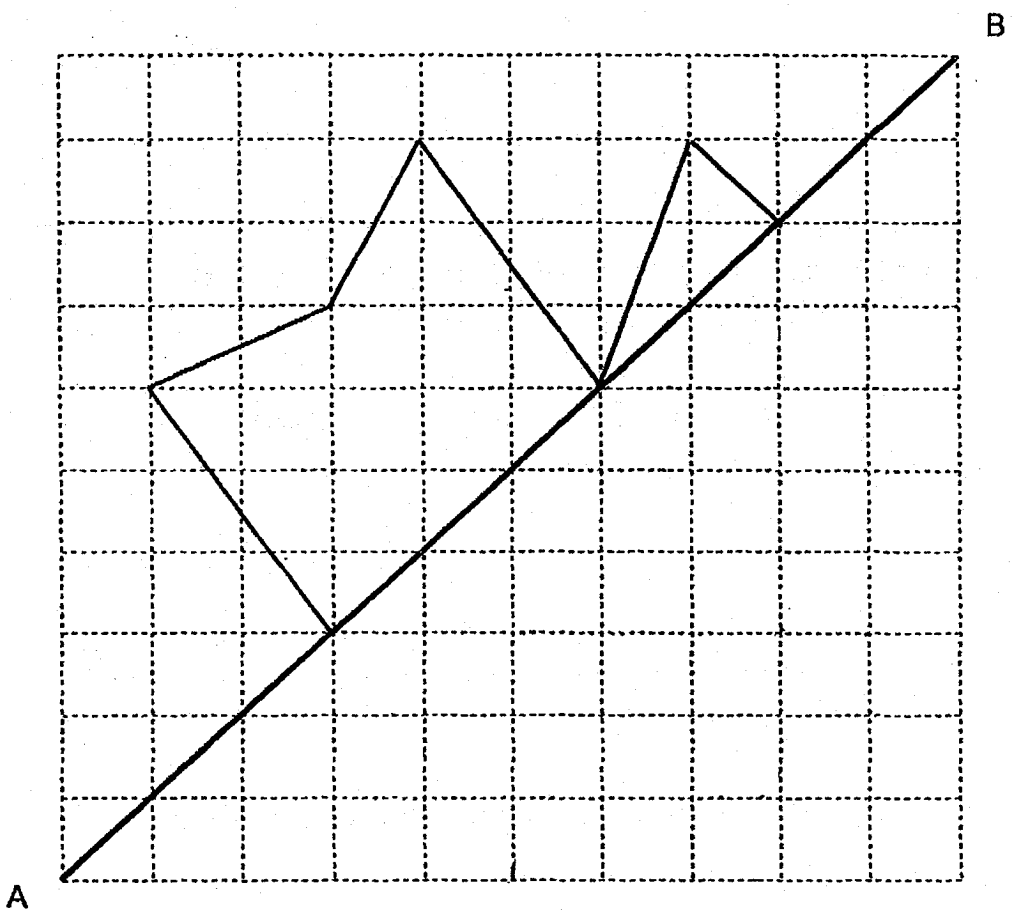
3.4, 30.04, 3.104, 30.009

Ans: _____ , _____ , _____ , _____
Largest

18. Express $\frac{4}{7}$ as a decimal. Round your answer to **1 decimal place**.

Ans: _____

19. Complete the symmetric figure with AB as the line of symmetry.



20. Find the value of $9 \times \frac{5}{12}$.

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

Ans: _____

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

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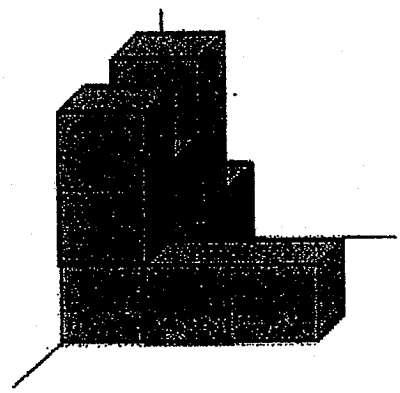
21. Kaylyn and her 3 brothers shared the cost of the chocolates equally among themselves. They bought 5 bars of chocolates which cost $6 each. How much did each of her brothers pay for the chocolates?

Ans: $_____

22. The solid is made up of some identical 1-cm cubes. How many more 1-cm cubes are needed to make the solid with the volume of 25 cm^3?



Ans: _____

23. Jenny had $\frac{3}{5}$ as many beads as Yasmin. Yasmin gave Jenny 24 beads. Then, Jenny had $\frac{3}{4}$ of all the beads. How many beads did they have

Ans: _____

24. At a party, there were 9.238 ℓ of lemonade at first. The guests drank $3\frac{3}{5}\ell$ of it. Then, 2 ℓ of lemonade were made. How many litres of lemonade were there in the end? Round your answer to 2 decimal places.

Ans: _____ ℓ

25. At a restaurant, a chef mixed $1\frac{5}{6}$ kg of flour with $\frac{5}{8}$ kg of butter. He used $1\frac{1}{3}$ kg of the mixture. What was the amount of mixture left?

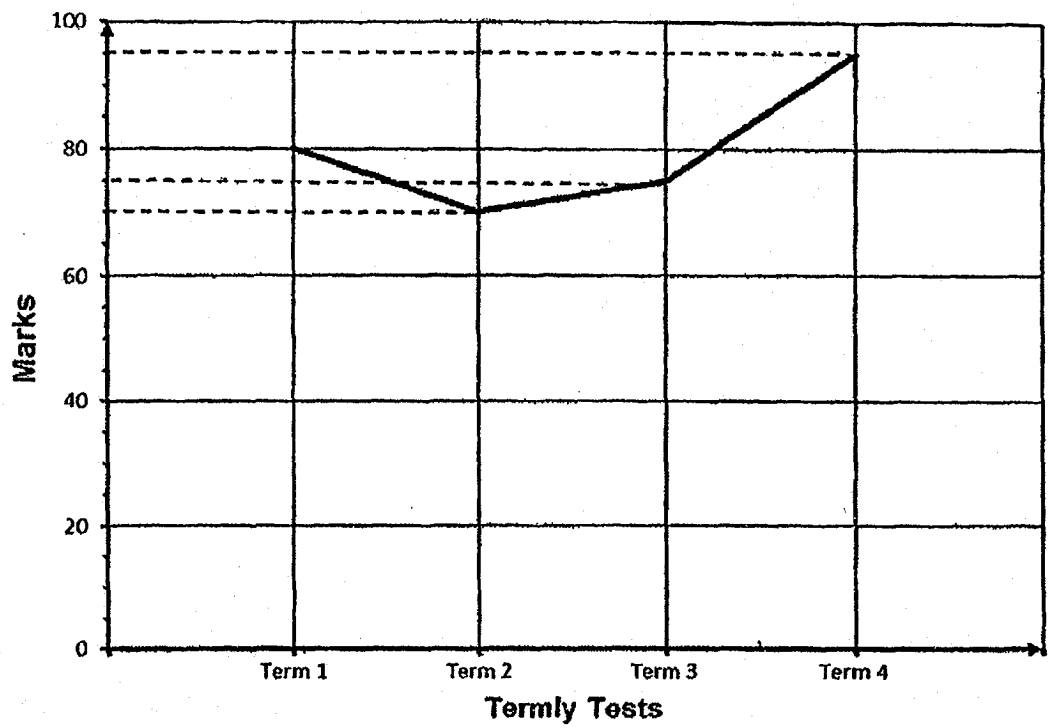
Leave your answer in its simplest form.

Ans: _____ kg

26. Mr Chan cut a 52-cm string into 2 pieces, A and B. String A was 8 cm shorter than String B. What was the ratio of the length of String A to the length of String B? Leave your answer in its simplest form.

Ans: _____

27. The graph shows Lakshmi's marks for her English tests in a year.



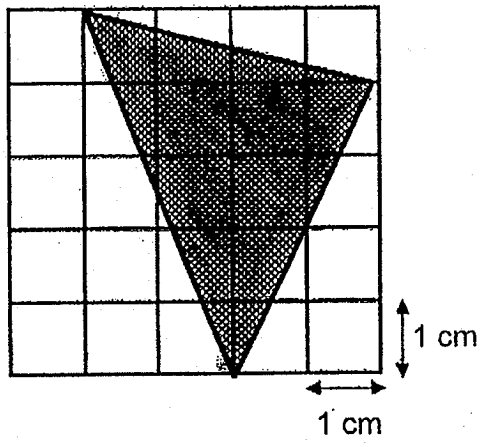
(a) Find the difference between her highest and lowest score.

(b) The full score for the Term 2 test was 100 marks. Each question carried 2 marks. How many questions did she answer wrongly in Term 2 test?

Ans: a)_____

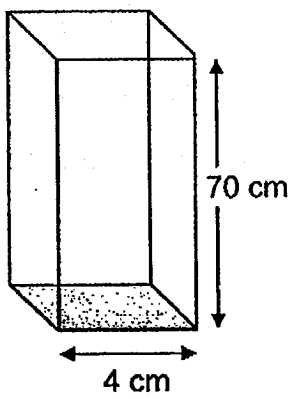
b)_____

28. Find the area of the shaded triangle.



Ans: _____ cm^2

29. The diagram shows an empty rectangular tank. The length of the tank was 4 cm. The breadth of the tank was half of its length. The tank was filled with water to half of its height. What was the volume of water in the tank?



Ans: _____ cm^3

30. Kara recorded the distance she ran each day. She ran 500 m on Day 1. On Day 2, she ran 1 km. She ran 2 km on Day 3. On each day, she ran twice the distance she ran the previous day.

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

	True	False	Impossible to tell
a) She ran 3.5 km on Day 4.			
b) She ran a total distance of 15.5 km for the first 5 days.			

End of Paper
☺ Please check your work carefully ☺

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

Name: _____ ( )

Form class: P5 _____ Math Teacher : _____

Date: 7 May 2018 Duration: 1 h 30 min

INSTRUCTIONS TO CANDIDATES

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

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

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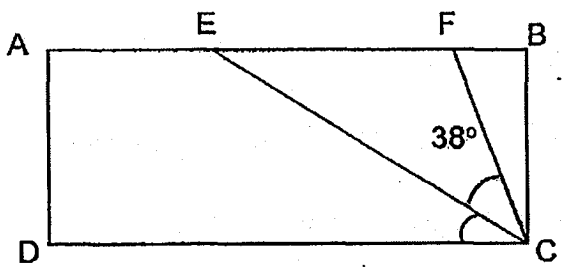
1. Mr Samy wanted to deliver 145 identical vases to a shop. Each vase has a mass of 2.079 kg. 13 vases were broken during the delivery and were thrown away. What was the mass of the remaining vases he delivered to the shop? Round your answer.to **1 decimal place**.

Ans : _____kg [2]

2. In the figure, ABCD is a rectangle. $\angle ECF$ is twice of $\angle BCF$. Find $\angle ECD$.

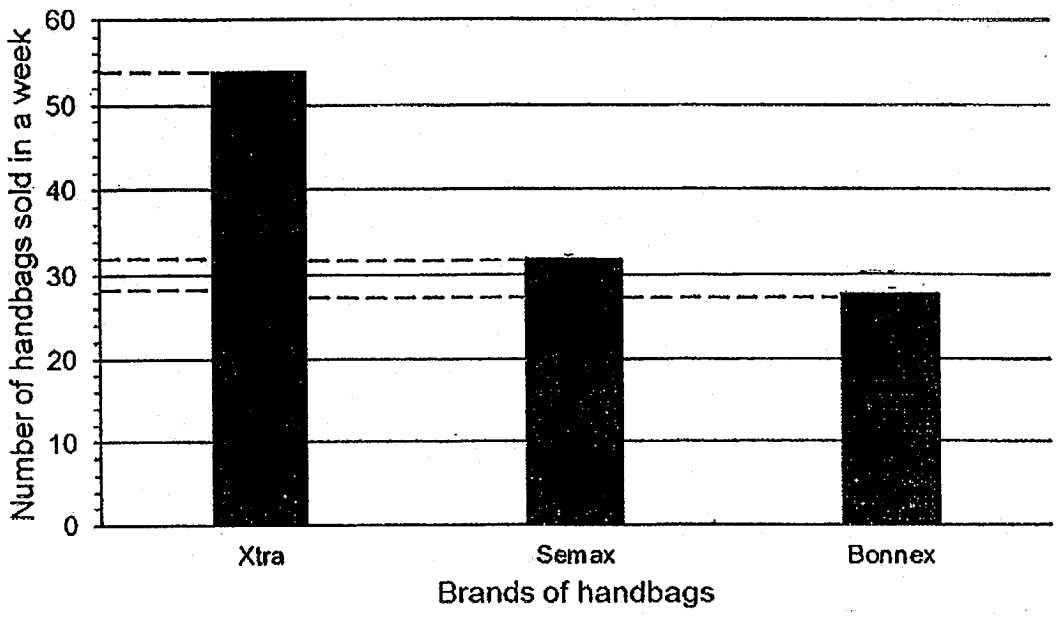


Ans : _____° [2]

3. A chef bought some eggs. He used half of them to bake some muffins, $\frac{3}{8}$ of the remaining eggs to bake a cake and the rest to bake some pies. What fraction of the eggs did he use to bake the pies?

Ans : _____ [2]

4. A shop sold three brands of handbags: Xtra, Semax and Bonnex. The bar graph shows the number of handbags sold for each brand in a week.



The table shows the price of each brand of handbag.

Brands of handbags	Price($)
Xtra	$400
Semax	$500
Bonnex	$350

How much did the shop collect from selling all the handbags for that week?

Ans : $_____ [2]

5. Paul gets an additional $5 from his father for every $30 he saves. How much has Paul saved on his own if his father gives him a total of $70?

Ans: $_____ [2]

For questions **6** to **17**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.
All diagrams are not drawn to scale. (45 marks)

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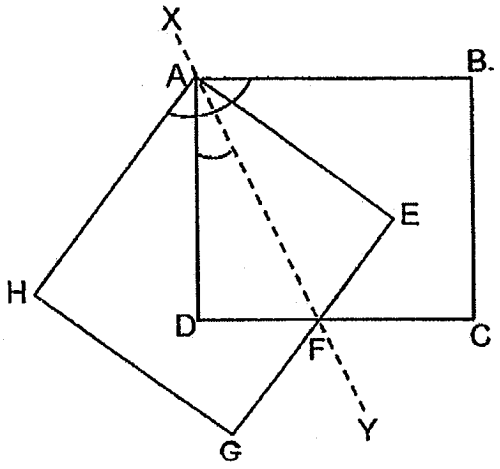
6. ABCD and AEGH are 2 identical squares. Line XY is a line of symmetry of the figure. $\angle$ HAB = 128°. Find $\angle$ DAF



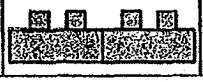
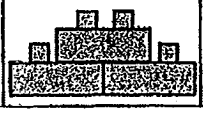
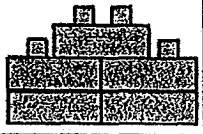
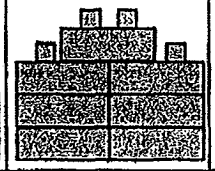
Ans : _____ [3]

7. The capacity of 1 jug is the same as the total capacity of 4 similar glasses. 10.36 ℓ of water is needed to fill up 5 jugs and 17 similar glasses. What is the capacity of one glass?

Ans: _____ [3]

8. Haris has 700 Lego pieces.

He puts 2 pieces in the first stack, 3 pieces in the second stack, 5 pieces in the third stack and continues putting in the subsequent stacks in that manner as shown in the table.

Stack	1	2	3	4	.....
No of Lego pieces					.....

a) How many Lego pieces does Haris use to make Stack 6?

b) If Haris wants to make Stack 35, how many Lego pieces will he need?

Ans : a) _____ [1]

b) _____ [3]

9. Shirley picked some strawberries and raspberries. $\frac{5}{7}$ of the fruits were strawberries and the rest were raspberries. Her family ate 30 raspberries. As a result, $\frac{10}{11}$ of the remaining fruits were strawberries. How many strawberries did she pick?

Ans : _____ [3]

10. In 2003, the ratio of Anna's age to Lina's age is 3 : 5 In 2009, the ratio of Anna's age to Lina's age is 2 : 3. What is their combined age in 2014?

Ans: _____ [3]

11. At a sports event, Ravi gave an equal number of bottles of water to each of the 40 runners. 15 of them gave away their bottles of water to the rest of the runners. As a result, the rest of the runners received 3 more bottles of water each. How many bottles of water did Ravi give away?

Ans: _____ [3]

12. Wee Ling had $\frac{5}{7}$ m of ribbon. She used $\frac{1}{10}$ of it to tie a present.

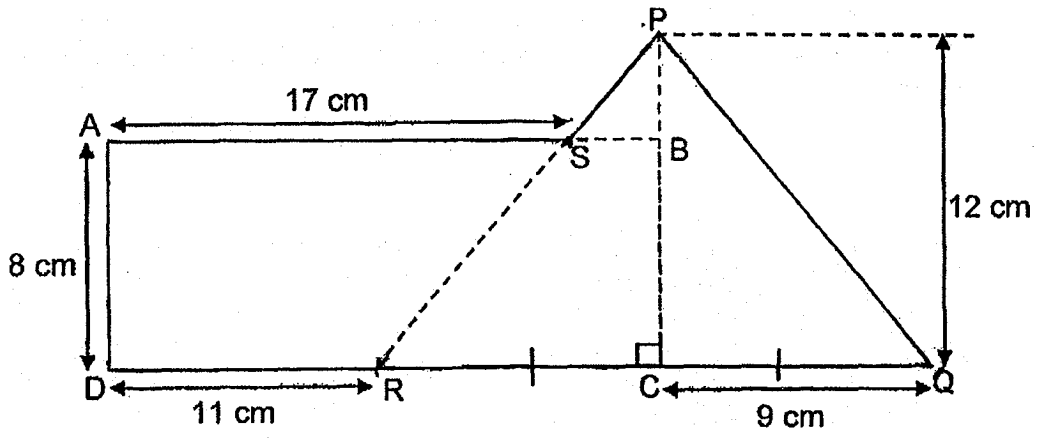
a) What was the length of ribbon used to tie the present? Give your answer in metres.

b) She used $\frac{3}{10}$ m of the remaining ribbon to tie a parcel. How much ribbon was left? Give your answer in its simplest form.

Ans: a) _____ [1]

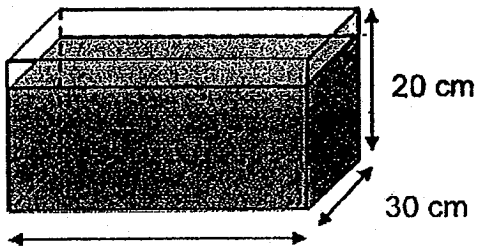
b) _____ [3]

13. ABCD is a rectangle and PQR is a triangle with RC = CQ. Find the area of the figure,

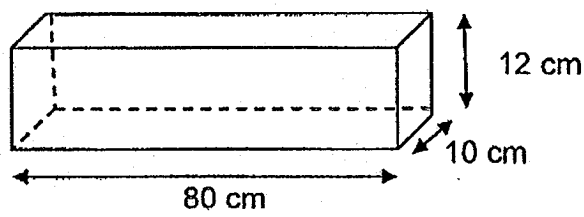


Ans: _____ [4]

14. Sally has two containers as shown below. Container X is $\frac{3}{4}$ filled with water. Container Y is empty. Sally pours some amount of water from Container X into Container Y till Container Y is half-filled. What is the volume of water left in Container X?



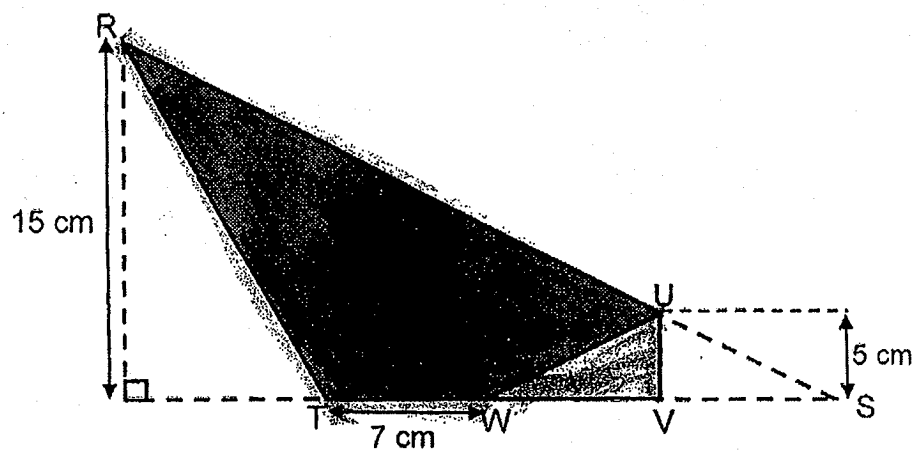
Container X



Container Y

Ans: _____ [4]

15. The figure shows a triangular piece of paper RST which is folded along UV. TW is $\frac{1}{3}$ of TS. Find the area of the shaded part.



Ans: _____ [4]

16. The ratio of the number of adults to the number of children in Dream Theme Park was 4 : 1. The ratio of the number of adults to the number of children in Movie Theme Park was 5 : 2. The number of adults in both theme parks were equal.

a) Find the ratio of the number of children in Dream Theme Park to the number of children in Movie Theme Park.

b) After 252 adults left Dream Theme Park to go to Movie Theme Park, the ratio of the number of adults to the number of children in Movie Theme Park became 13 : 4. Find the difference in the number of children in both theme parks.

Ans: (a)_____[1]

(b)_____[4]

17. Printer D prints 360 more brochures than Printer E in each month. The two printers print the same number of brochures every month Every month, there are 50 brochures thrown away from each printer due to printing errors. Over a few months, Printer D prints 8450 good brochures while Printer E prints 3770 good ones.

a) How many months does Printer D take to print 8450 good brochures?

b) Given that the printing cost for each brochure is what is the total printing cost for all the brochures printed by the two printers in each month?

Ans: (a)_____ [2]

(b)_____ [3]

End of Paper

☺ Please check your work carefully ☺

SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2018 SA1

PAPER 1 BOOKLET A

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

Q 11	Q12	Q13	Q14	Q15
2	3	2	2	2

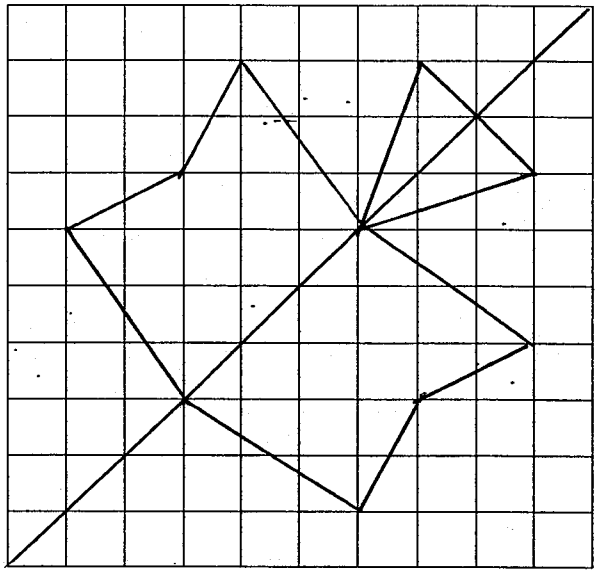
PAPER 1 BOOKLET B

Q16) 640

Q17) 30.04 , 30.009 , 3.4 , 3.104

Q18) 0.6

Q19)



Q20) $3\frac{3}{4}$

Q21) 6 x 5 = 30
30 ÷ 4 = $7.50

Q22) 25 – 11 = 14

Q23)	24÷3 = 8 8 x 8 = 64
Q24)	7.64L
Q25)	1 1/8 kg
Q26)	52 – 8 = 44 A : B 44 ÷ 2 = 22 22 : 30 22 + 8 = 30 11 : 15
Q27)	a)95 – 70 = 25 b)70÷2 = 35 100 ÷2 = 50 50 – 35 = 15
Q28)	5 x 5 = 25 ½ x 4 x 2 = 4 ½ x 5 x 2 = 5 ½ x 4 x 1 = 2 1 x 5 = 5 4 + 5 + 5 + 2 = 16 25 – 16 = 9 cm2
Q29)	4÷ 2 = 2 70 ÷2 = 35 35 x 2 x 4 = 280 cm3
Q30)	a)False b)True

PAPER 2

Q1)	145 – 13 = 132 132 x 2.079 = 274.428 ≈ 274.4 kg
Q2)	38 ÷2 = 19 19 x 3 = 57 90 – 57 = 33°
Q3)	5/8 x ½ = 5/16
Q4)	400 x 54 = 21600 500 x 32 = 16000 28 x 350 = 9800 9800 + 16000 + 21600 = $47400
Q5)	70 ÷5 = 14 30 x 14 = $420
Q6)	128 – 90 = 38 90 – 38 = 52 52 ÷ 2 = 26°
Q7)	5 x 4 = 20 20 + 17 = 37

	10.36 ÷37 = 0.28L
Q8)	a)11 b)(34 x 2) + 1 = 69
Q9)	4 – 1 =3 30 ÷3 = 10 10 x 10 = 100
Q10)	70 years
Q11)	40 – 15 = 25 25 x 3 = 75 75 ÷ 15 = 5 5 x 40 = 200
Q12)	a)5/7 x 1/10 = 1/14 m b)10/14 – 1/14 = 9/14 9/14 – 3/10 = 90/140 – 42/140 = 48/140 = 12/35 m
Q13)	11 + 9 = 20 20 – 17 = 3 12 – 8 = 4 ½ x 3 x 4 = 6 ½ x 9 x 12 = 54 54 – 6 = 48 20 x 8 = 160 9 x 2 = 18 ½ x 18 x 12 = 108 108 + 160 = 268 268 – 48 = 220 cm2
Q14)	12 ÷2 = 6 6 x 10 x 80 = 4800 20 ÷4 = 5 5 x 3 = 15 15 x 30 x 40 = 18000 18000 – 4800 = 13200 cm2
Q15)	½ x 21 x 15 = 157.5 ½ x 14 x 5 = 35 157.5 – 35 = 122.5 cm2
Q16)	a)5 : 8 b)26 – 20 = 6 252 ÷6 = 42 8 – 5 = 3 42 x 3 = 126
Q17)	a)8450 – 3770 = 4680 4680 ÷360 = 13 b)650 + 50 = 700

700 – 360 = 340
700 + 340 = 1040
1040 x 2 = $2080