RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2
MATHEMATICS
PRIMARY 4

Name: _____ ( )

Math Teacher: _____ Form Class: P4 _____

Date: 24 Oct 2018 Duration: 1 h 45 min

Your Score	
Section A (Out of 25 marks)	
Section B (Out of 40 marks)	
Section C (Out of 35 marks)	
Overall (Out of 100 marks)	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.

SECTION A (25 marks)

Questions 1 to 5 carry 1 mark each. Questions 6 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade your answer (1, 2, 3 or 4) on the OAS provided.

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1. In which of the following numbers does the digit 7 stand for 700?

   (1) 4790

   (2) 4970

   (3) 7904

   (4) 9407

2. . In the number 26.37, the digit _____ is in the tenths place.

   (1) 6

   (2) 2

   (3) 3

   (4) 7

3. 1 min 48 s = _____

   (1) 49 s

   (2) 58 s

   (3) 108 s

   (4) 148 s

4. The area of a square is 100 cm^2. What is the length of each side of the square?

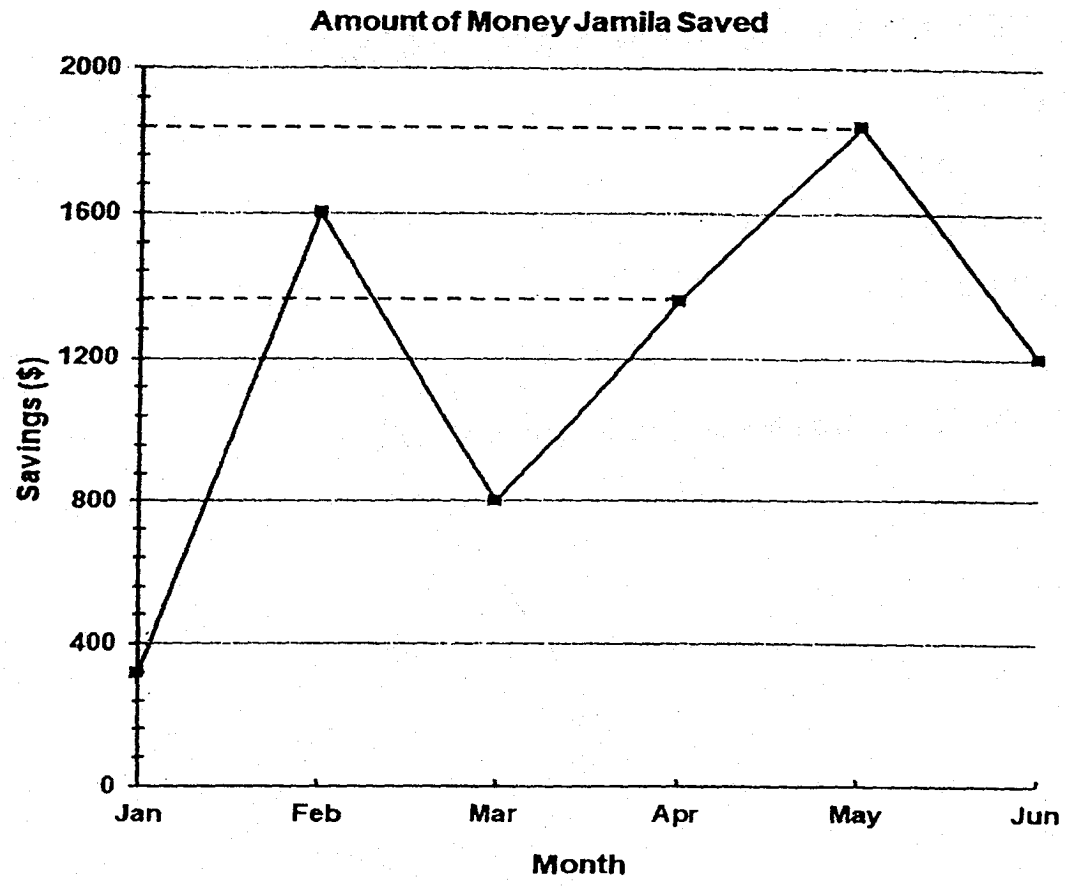
   (1) 50 cm

   (2) 40 cm

   (3) 25 cm

   (4) 10 cm

5. The line graph shows Jamila's savings from January to June.



How much money did Jamila save in May?

(1) $1800

(2) $1840

(3) $1850

(4) $1900

6. $6\frac{6}{9} = \frac{\square}{9}$

What is the missing number in the box?

(1) 36

(2) 48

(3) 54

(4) 60

7. Which of the following are common factors of 24 and 36?

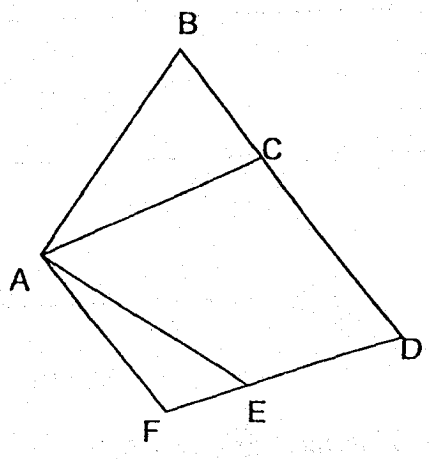
(1) 1 and 8

(2) 6 and 8

(3) 3 and 4

(4) 6 and 9

8. In the figure, which two lines below are perpendicular?



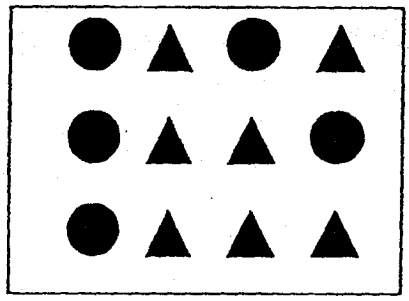
(1) BA and AE

(2) CA and AE

(3) AB and BC

(4) FA and AE

9. What fraction of the shapes in the box are ● ?



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

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

(3) $\frac{7}{12}$

(4) $\frac{7}{5}$

10. Which of the following decimals is the greatest?

(1) 0.199

(2) 0.369

(3) 0.289

(4) 0.382

11. Mandy bought 9 packets of red beads and 4 packets of green beads. There were 3508 beads in each packet. What was the difference in the number of red beads and green beads that Mandy bought?

(1) 14 032

(2) 17 540

(3) 31 572

(4) 45 604

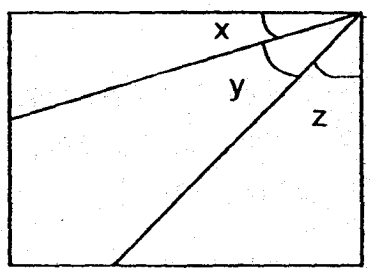
12. The area of a rectangle is 63 cm^2. Its length is 7 times as long as its breadth. Find the perimeter of the rectangle.

(1) 9 cm
(2) 21 cm
(3) 32 cm
(4) 48 cm

13. Surin saw a special offer at a nursery and decided to get 12 pots of money plants. How much did Surin pay altogether for the money plants?

(1) $19.50
(2) $26.00
(3) $58.50
(4) $78.00

14. The figure shows a rectangle. $\angle z$ is three times of $\angle x$ and $\angle y$ is twice of $\angle x$. Find $\angle x$.



(1) 15°
(2) 18°
(3) 30°
(4) 45°

15. The table shows the number of pets owned by the pupils in a class.

Number of pets	0	1	2	3	4	5
Number of pupils	4	4	13	8	7	4

What was the total number of pets owned by pupils who had 3 or more pets?

(1) 19

(2) 32

(3) 72

(4) 98

SECTION B (40 marks)

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

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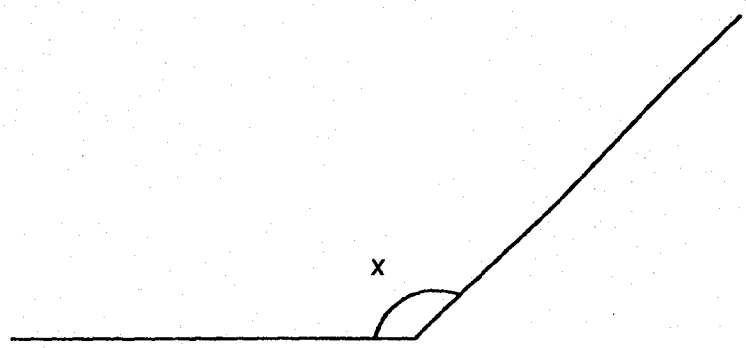
16. Arrange the following numbers from the smallest to the greatest.

508 , 805 , 850 , 580

Ans: _____ , _____ , _____ , _____

(smallest) *(greatest)*

17. Measure and write down the size of $\angle$ x.



Ans: _____ °

18. What number is 100 more than 9950?

Ans: _____

19. Express 0.7 as a fraction.

Ans: _____

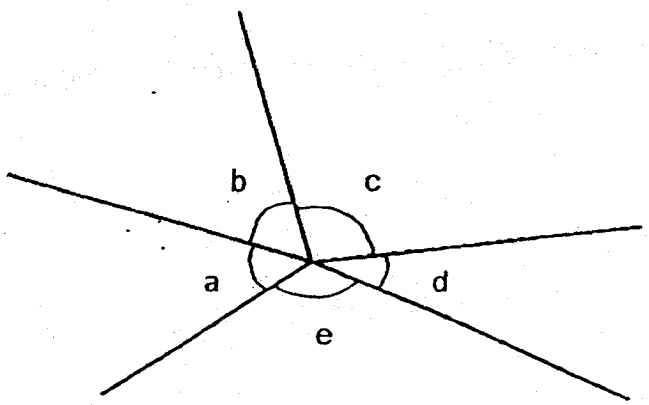
20. Find the value of $\frac{5}{12} - \frac{1}{3}$.

Ans: _____

21. 15.69 + 0.38 = _____

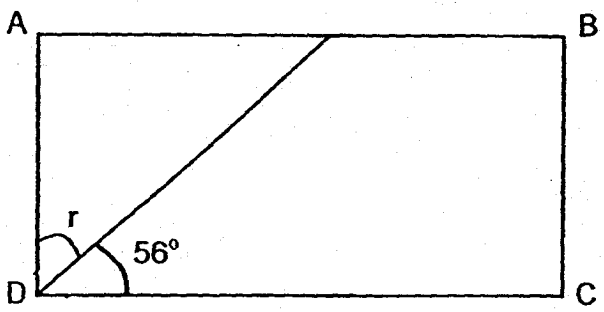
Ans: _____

22. In the figure, name the two angles that are greater than 90°.



Ans: ∠___ and ∠___

23. ABCD is a rectangle. Find $\angle$ r.



Ans: _____°

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

Ans: _____

25. Draw $\angle PQR = 77°$ using the given line. Mark and label the angle.

P _____ Q

26. Ginny has $20 723 in her savings. She has $2468 more in savings than Kathy. What is the amount of savings that Kathy has?

Ans: $ _____

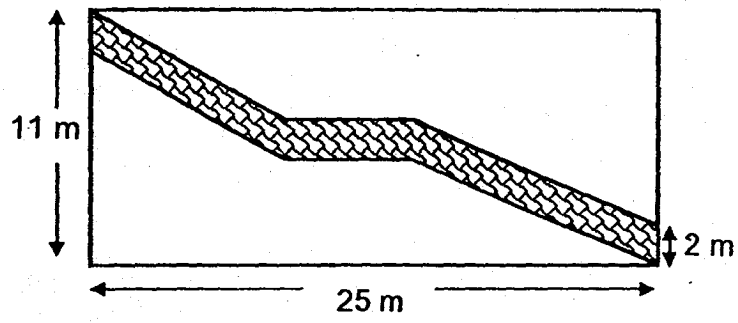
27. Mr Tan had 63.18 kg of brown rice. He packed them equally into 9 packets. What was the mass of each packet?

Ans: _____ kg

28. Mr Yacob and his family drove from Singapore to Malacca for a vacation. They started their journey at 11 45 and arrived in Malacca 1 h 50 min later. What time did they arrive in Malacca? Express your answer using the 24-hour clock.

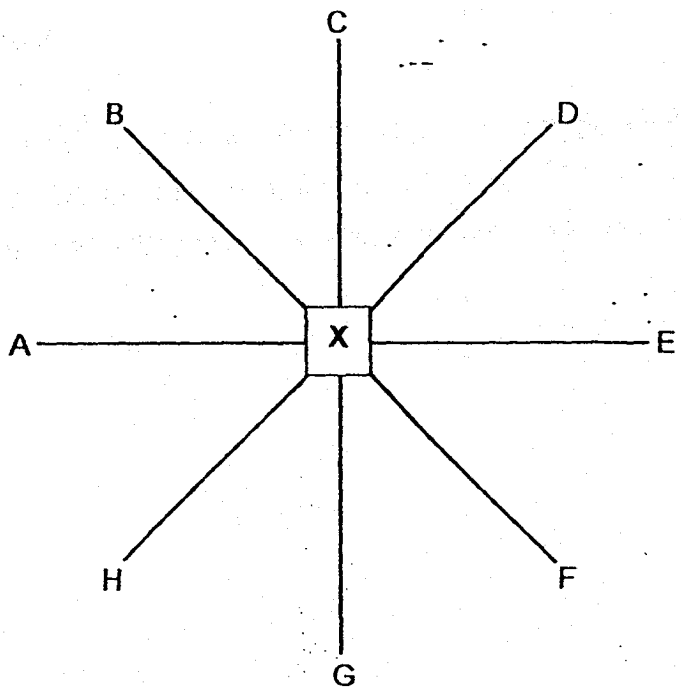
Ans: _____

29. A rectangular park measured 25 m by 11 m. A pavement of width 2 m was built across the park. Find the area of the park not covered by the pavement.



Ans: _____ m

30. Claire is standing in the middle marked 'X' and facing point F. She turns 135° anti-clockwise. Which point will she face?



Ans: _____

31. At a cafe, three types of pastry were sold at the prices shown below.

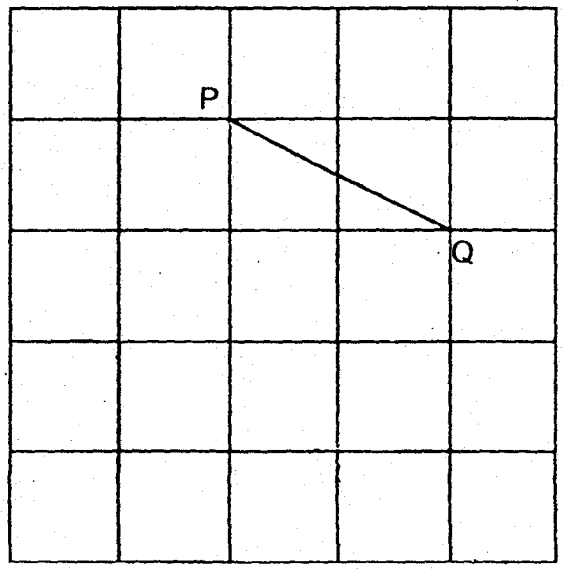
The table shows the number of each type of pastry sold at the cafe from Friday to Sunday.

Day	Donuts	Cupcakes	Muffins
Friday	23	14	36
Saturday	46	49	33
Sunday	31	39	53

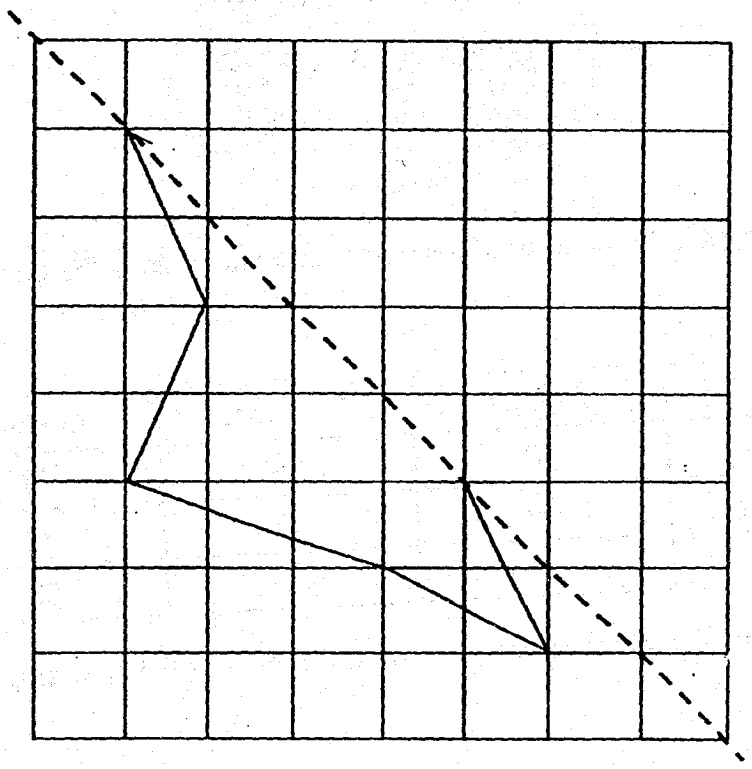
What was the total amount collected from the sale of the most popular pastry on Saturday?

Ans: $ _____

32. Use line PQ to draw a square PQRS in the square grid below.



33. Complete the figure such that the dotted line is a line of symmetry.



34. Ali bought 4 pens at $1.25 each and 3 rulers at $0.95 each.
How much change would he get back after paying the cashier $10?

Ans: $_____

35. Mr Ong gave out some stickers to 10 pupils in the class. The pupils were asked to come out one by one to receive the stickers. The first pupil received 1 sticker and the second pupil received 2 stickers. The subsequent pupil received 1 more sticker than the previous pupil.

How many stickers did Mr Ong give out altogether?

Ans: _____

SECTION C (35 marks)

For questions 36 to 44, show your working clearly in the space provided below each question and write your answers with suitable units in the spaces provided. All diagrams are not drawn to scale. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

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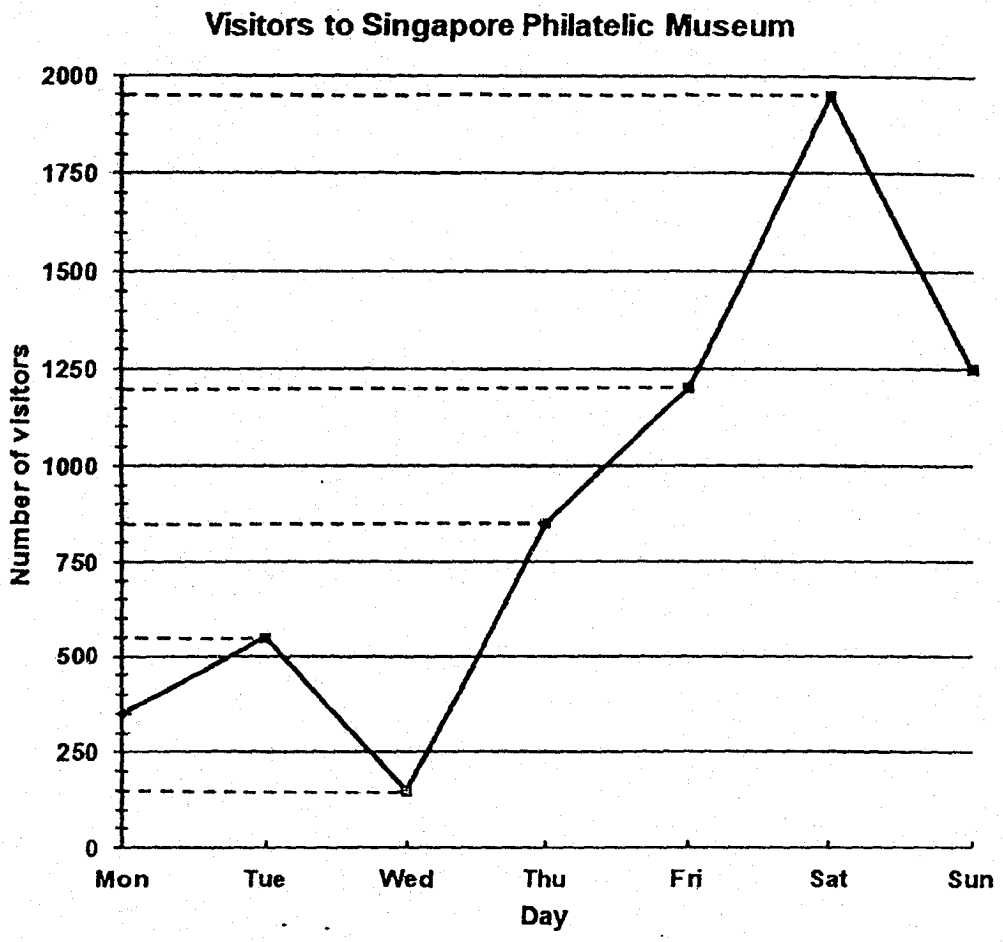
36. Cheng Wan and his wife spent $2160.50 in January. His wife spent $420.30 less than him. How much did his wife spend in January?

Ans: _____ [3]

37. Josephine finished reading all 185 pages of a story book in 5 days.
For each day, she read 10 pages more than the previous day.
How many pages did she read on the first day?

Ans: _____ [3]

38. The line graph shows the number of visitors to the Singapore Philatelic Museum in a week.



a) What was the increase in the number of visitors to the museum between Wednesday and Thursday?

b) The entrance fee for each visitor was $3. What was the total amount of money collected from the visitors to the museum on Saturday and Sunday?

Ans: a) _____ [1]

39. It was movie marathon night for the Tan family. From the four movies they rented, they decided to watch the two movies that would finish the earliest. They watched the 2 movies one after another.

Movie Title	Duration
Moana	1 h 53 min
Zootopia	1 h 51 min
Incredibles 2	1 h 58 min
Peter Rabbit	1 h 34 min

a) How long did the 2 movies last?
(Express your answer in hours and minutes)

b) They finished watching the two movies at 00 05. What time did they start watching the first movie? (Express your answer in 24-hour clock)

Ans: a) _____ [2]

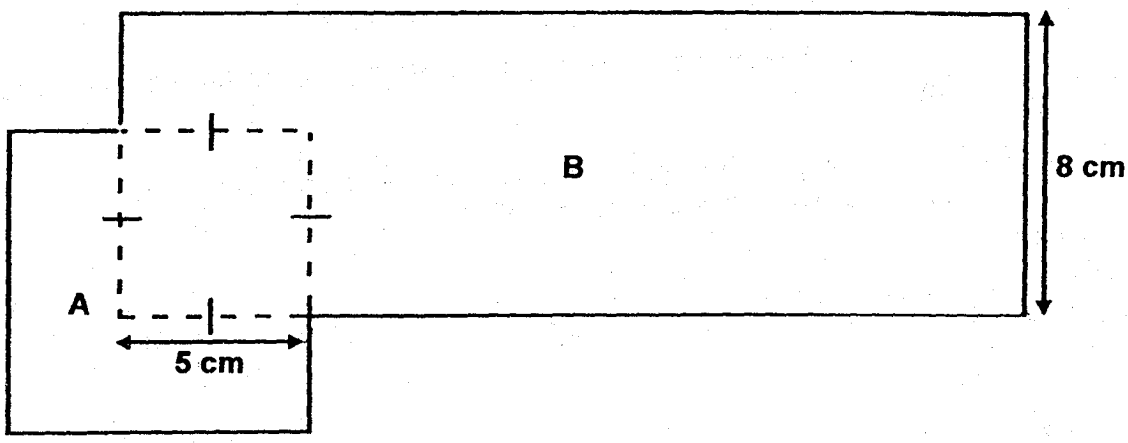
b) _____ [2]

40. Meredith went shopping with $150. First, she bought a hair clip. Next, she bought a purse which cost $12.40 more than the hair clip. Finally, she bought a pair of shoes which cost twice as much as the purse. In the end, Meredith had $34.80 left.

How much did Meredith spend on the hair clip?

Ans: _____ [4]

41. The figure is made up of Square A overlapping with Rectangle B at a corner. Area of Rectangle B is 192 cm^2. Area of Square A is $\frac{1}{3}$ the area of Rectangle B. Find the perimeter of the figure.



Ans: _____ [4]

42. Raja received a jigsaw puzzle with 1200 pieces as a birthday present. On the first day, he fixed $\frac{2}{5}$ of the jigsaw puzzle. The number of pieces he fixed on the second day was $\frac{7}{8}$ of what he fixed on the first day.

He finished fixing the jigsaw puzzle on the third day.

a) What was the total number of pieces Raja fixed on the first and second day?

b) What fraction of the jigsaw puzzle was fixed on the third day?
(Express your answer in the simplest form)

Ans: a) _____ [3]

b) _____ [2]

43. Lynette had 93 pencils and pens. After giving away $\frac{3}{4}$ of her pens and 28 pencils, she had an equal number of pencils and pens left. How many pencils did she have at first?

Ans: _____ [4]

44. Mr Lee invited his friends to his Christmas party. Some of his friends brought 2 children and the rest brought 3 children with them. There were 12 more friends who brought 3 children than those who brought 2 children. The total number of children at the party was 91.

a) Each child received 3 cupcakes, how many cupcakes did Mr Lee prepare?

b) How many of Mr Lee's friends brought 3 children to the Christmas party?

Ans: a) _____ [1]

b) _____ [4]

-End of Paper-

Please check your work carefully ☺

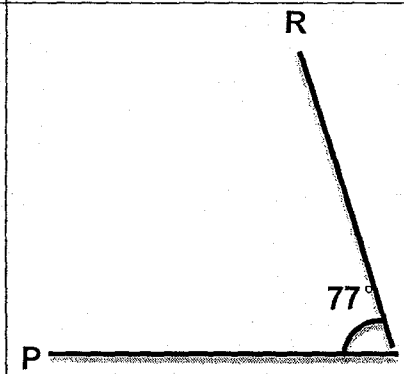
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL

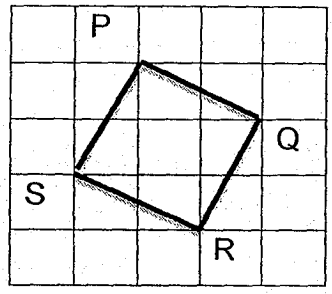
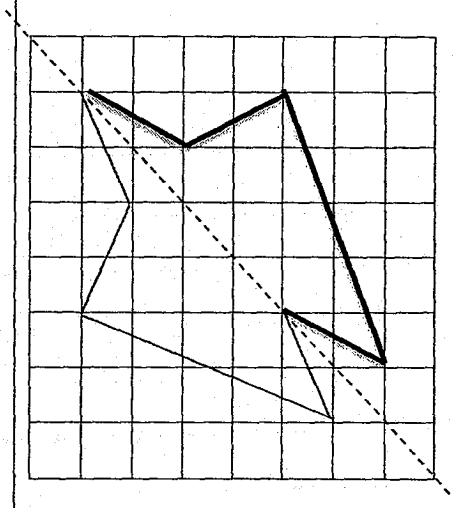
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2018 SA2

BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	**3**	**3**	**4**	**2**	**4**	**3**	**1**	**1**	**4**
Q 11	Q12	Q13	Q14	Q15					
2	**4**	**3**	**1**	**3**					

BOOKLET B

Q16)	**508 , 580 , 805 , 850**
Q17)	**134°**
Q18)	**10050**
Q19)	**7/10**
Q20)	**1/12**
Q21)	**16.07**
Q22)	**E and c**
Q23)	**34°**
Q24)	**21/7**
Q25)	
Q26)	**$18255**

Q27)	**7.02kg**
Q28)	**1335**
Q29)	**225m2**
Q30)	**C**
Q31)	**$196**
Q32)	
Q33)	
Q34)	**$2.15**
Q35)	**55**
Q36)	**2160.50 – 420.30 = $1740.20** **1740.20 ÷ 2 = $870.10**
Q37)	**10 x 10 = 100** **185 – 100 = 85** **85 ÷ 5 = 17**
Q38)	**a)850 – 150 = 700** **b)1950 + 1250 = 3200**

	3200 x 3 = $9600
Q39)	a)1h 51 min + 1h 34 min = 3h 25min b)0005 – 3h 25 min = 2040
Q40)	3 x 12.40 = $37.20 150 – 37.20 = $112.80 112.80 – 34.80 = $78 78 ÷ 4 = $19.50
Q41)	192 ÷4 = 24 24 – 5 = 19 192 ÷ 3 = 64 24+8+19+3+8+8+3+3 = 76cm
Q42)	a)1st day →1200 ÷ 5 = 240 240 x 2 = 480 2nd day→480÷ 8 = 60 60 x 7 = 420 Total 480 + 420 = 900 b)1200 – 900 = 300 300/1200 = ¼
Q43)	93 – 28 = 65 65 ÷ 5 = 13 13 +.28 = 41
Q44)	a)91 x 3 = 273 b)12 x 3 = 36 91 – 36 = 55 2 + 3 = 5 55 ÷5 = 11 11 + 12 = 23