RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2
MATHEMATICS
PRIMARY 4

Name: _____ ( )

Math Teacher: _____ Form Class: P4 _____

Date: 24 Oct 2019 Duration: 1 h 45 min

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

INSTRUCTIONS TO CANDIDATES

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

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. Which of the following is a multiple of 6?

   (1) 32

   (2) 24

   (3) 3

   (4) 16

2. 80 000 + 7000 + 300 + 2 = _____

   (1) 87 320

   (2) 87 302

   (3) 87 032

   (4) 80 732

3. 1 min 52 s = _____

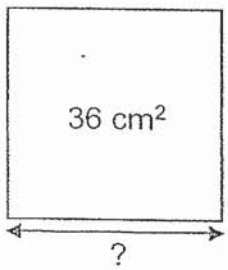
   (1) 53 s

   (2) 62 s

   (3) 112 s

   (4) 152 s

4. What is the length of each side of the square?



   (1) 6 cm

   (2) 9 cm

   (3) 18 cm

   (4) 24 cm

5. The table shows the number of questions answered correctly by the pupils in a Science pop quiz.

Number of correct questions	Number of pupils
1	3
2	1
3	10
4	7
5	6

How many pupils answered 3 or more questions correctly?

(1) 10

(2) 13

(3) 23

(4) 27

6. In the number 67.35, the digit _____ is in the tenths place.

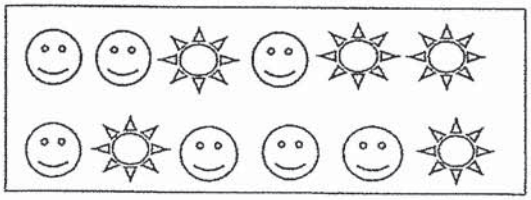
(1) 5

(2) 6

(3) 3

(4) 7

7. What fraction of the shapes in the box are  ?



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

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

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

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

8. Arrange the following decimals from the smallest to the greatest.

4.8 , 0.48 , 4.08 , 0.84

	(smallest)			(greatest)
(1)	0.84 ,	0.48 ,	4.08 ,	4.8
(2)	0.48 ,	0.84 ,	4.08 ,	4.8
(3)	0.84 ,	4.8 ,	4.08 ,	0.48
(4)	0.48 ,	0.84 ,	4.8 ,	4.08

9. $9\frac{3}{5} = \frac{\square}{5}$

What is the missing number in the box?

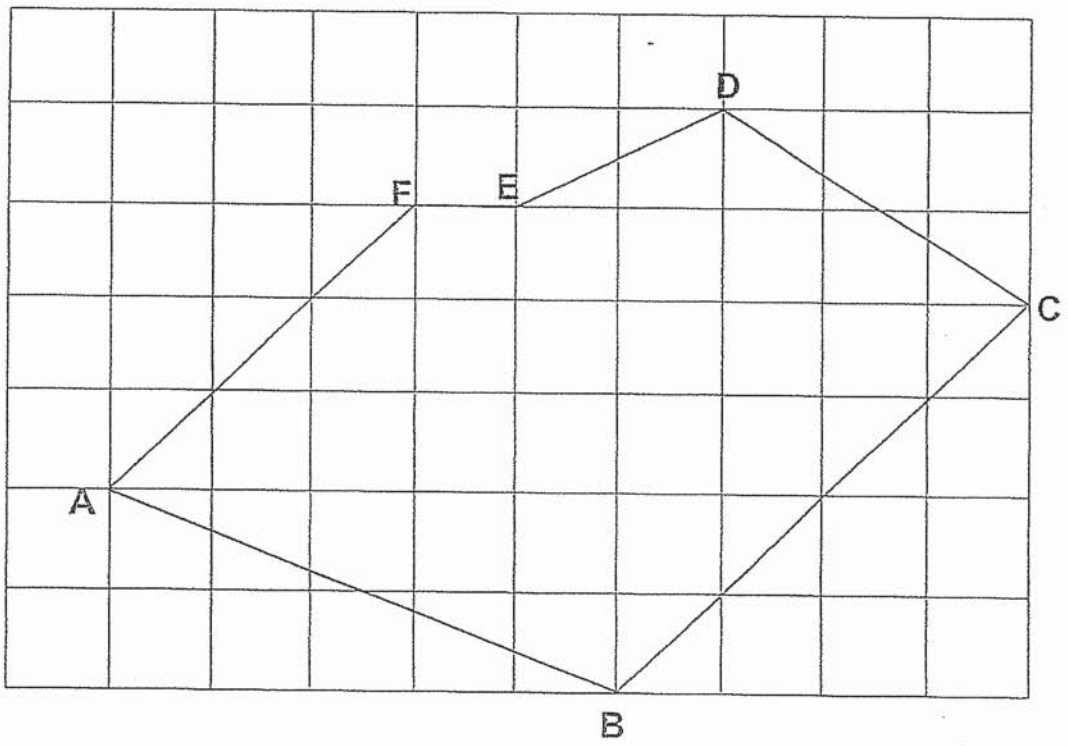
(1) 27

(2) 42

(3) 45

(4) 48

10. Figure ABCDEF is drawn on the square grid shown. Which one of the following statements is true?



(1) AB is parallel to FE.

(2) AF is parallel to BC.

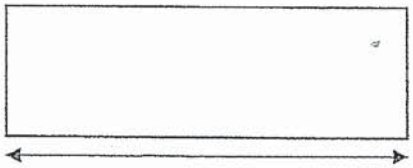
(3) AF is perpendicular to FE.

(4) CD is perpendicular to DE.

11. Kumar is 1.53 m tall. His father is 0.28 m taller than him. His mother is 0.13 m shorter than his father. What is his mother's height?

(1) 1.66 m
(2) 1.68 m
(3) 1.81 m
(4) 1.94 m

12. The perimeter of the rectangle is 70 cm. Its length is 25 cm.



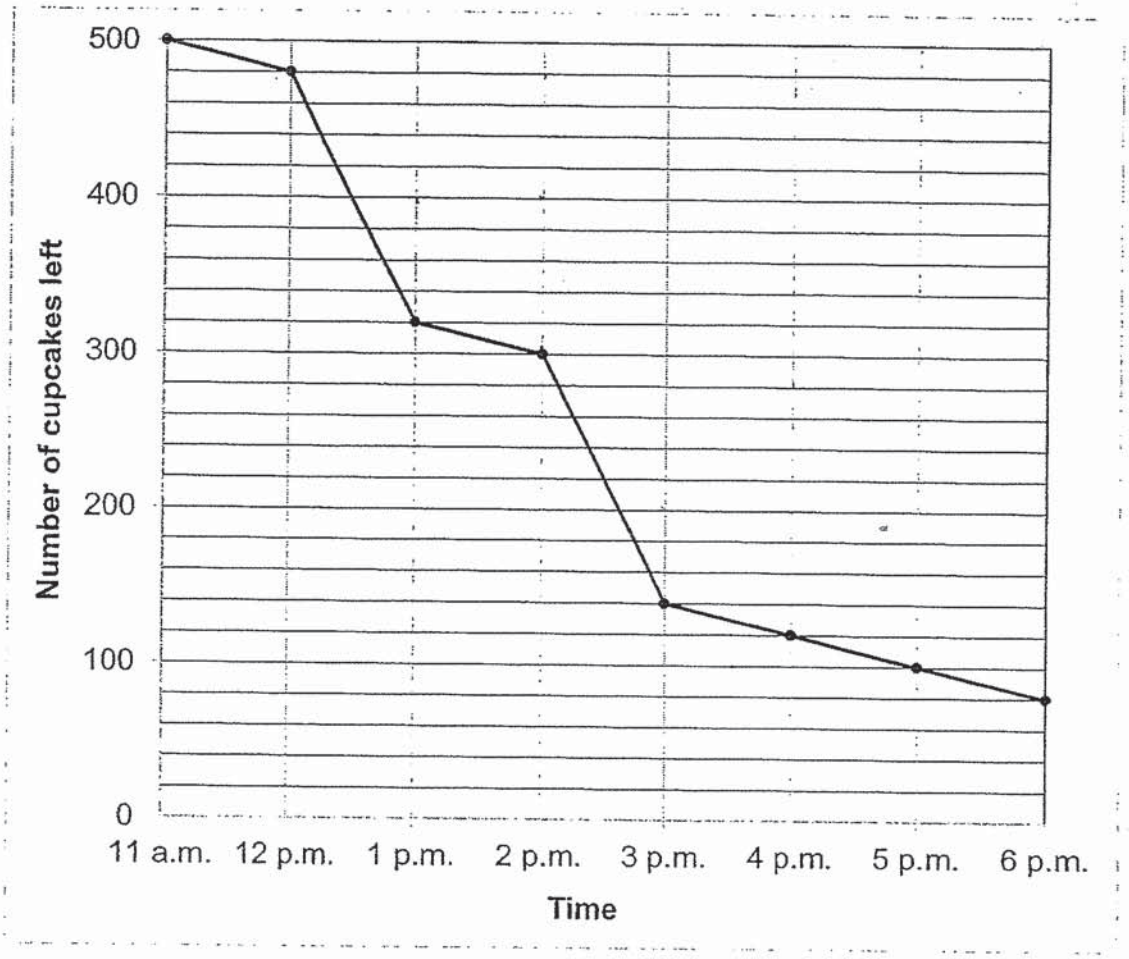
What is the breadth of the rectangle?

(1) 10 cm
(2) 20 cm
(3) 45 cm
(4) 50 cm

13. The chairs in a theatre were arranged equally in rows. There were 13 rows of chairs. Mark sat at the second row. 10 people were seated on his right and 7 people were seated on his left. How many chairs were there in the theatre?

(1) 26
(2) 31
(3) 221
(4) 234

14. The line graph shows the number of cupcakes left in a bakery from 11 a.m. to 6 p.m.



How many cupcakes were sold from 12 p.m. to 3 p.m.?

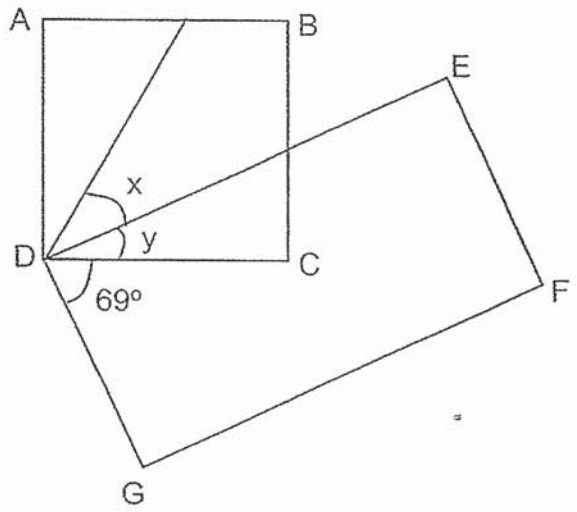
(1) 620

(2) 480

(3) 340

(4) 140

15. The figure is made up of a square ABCD and a rectangle DEFG. $\angle CDG = 69^{\circ}$. $\angle x$ is twice of $\angle y$. Find $\angle x$.



(1) 21°

(2) 27°

(3) 42°

(4) 63°

SECTION B (40 marks)

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

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16. Write $\frac{17}{6}$ as a mixed number.

Ans: _____

17. What number is 10 more than 6995?

Ans: _____

18. Find the value of $1 - \frac{1}{8} - \frac{3}{4}$.

Ans: _____

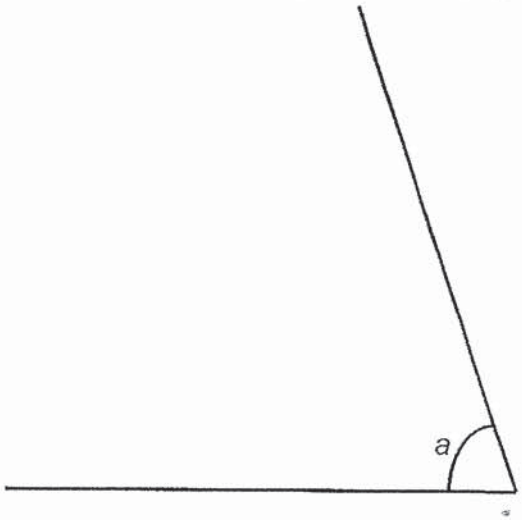
19. Arrange the following numbers from the smallest to the greatest.

3907 , 3079 , 3790

_____ _____ _____

(smallest) (greatest)

20. Measure and write down the size of $\angle$ a.

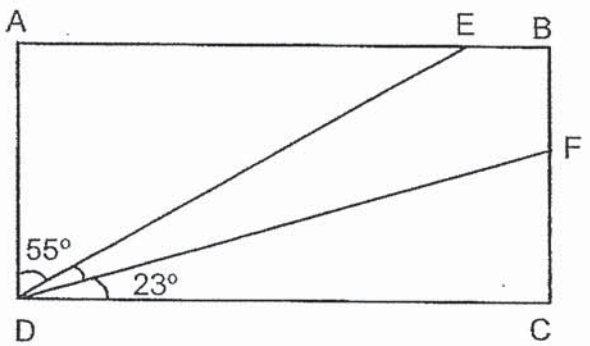


Ans: _____ °

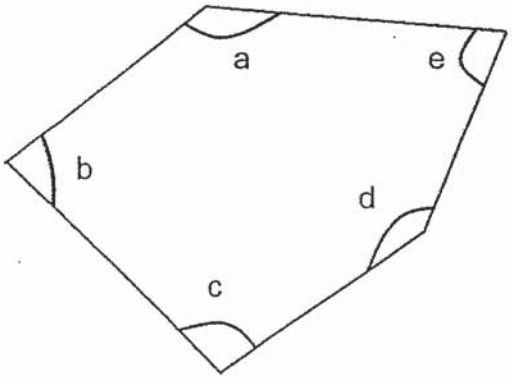
21. Express $\frac{39}{100}$ as a decimal.

Ans: _____

22. In the figure shown, ABCD is a rectangle. Find $\angle$ EDF.



23. In the figure below, name the 2 angles that are smaller than 90°.



Ans: ∠____and ∠____

24. 8.3 – 0.74 = _____

Ans:_____

25. Draw ∠KLM = 115° using the given line. Mark and label the angle.

K——————————L

26. A ribbon was 27.3 m long. Siti used 2.98 m of it for her project. She then cut the remaining ribbon equally into 8 pieces. What was the length of each piece of ribbon?

Ans: _____m

27. Muthu slept at 21 35 on Saturday night and woke up at 06 00 the next day
How long did he sleep?

Ans: ____ h_____min

28. A salesman accidentally spilled some coffee on a newspaper as shown below. What was the largest possible difference between the prices of the 2 brands of television sets?

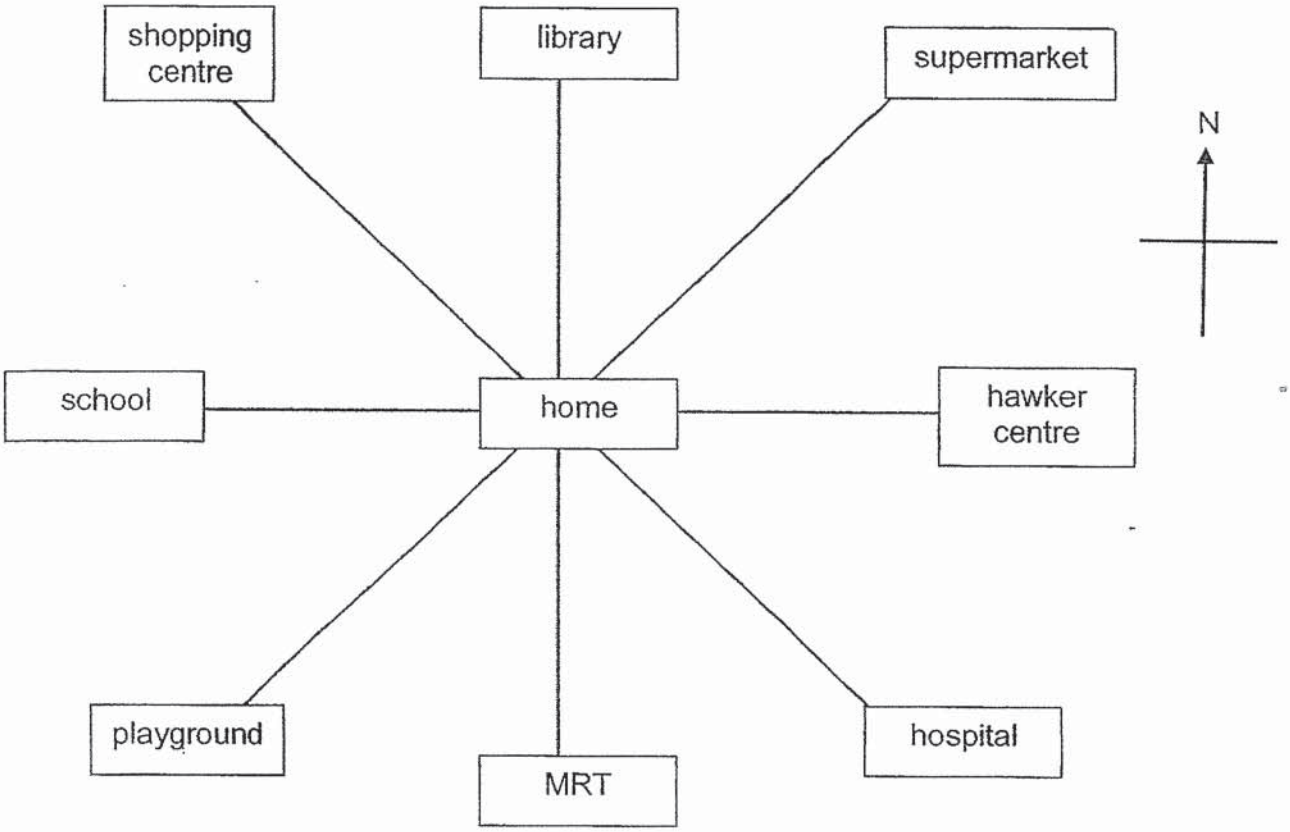
End-of-year sale

Television

Brand A	$ 7 2 9 ☼
Brand B	$ ☼ 5 6 4

Ans: $ _____

29. Cynthia is facing the supermarket. She turns an angle of 225° in a clockwise direction. Where will she be facing after the turn?



Ans: _____

30. Ling Ling used 6 identical squares in Figure A to make a rectangular card as shown in Figure B. The perimeter of Figure A was 80 cm. What was the length of the card?

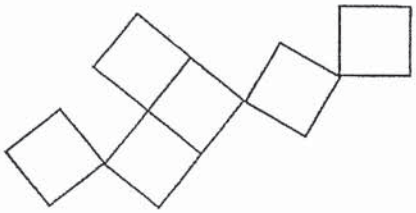


Figure A

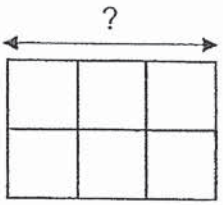
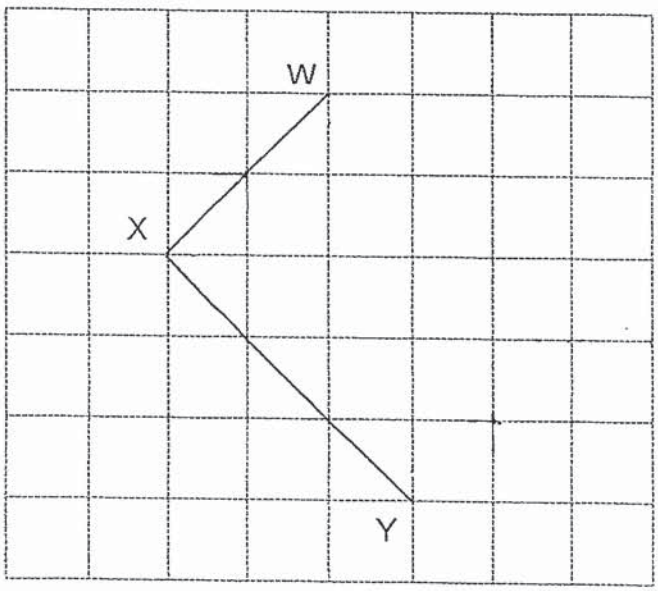


Figure B

Ans: _____ cm

31. The square grid shows line WX and XY of rectangle WXYZ. Complete the drawing and label the rectangle.



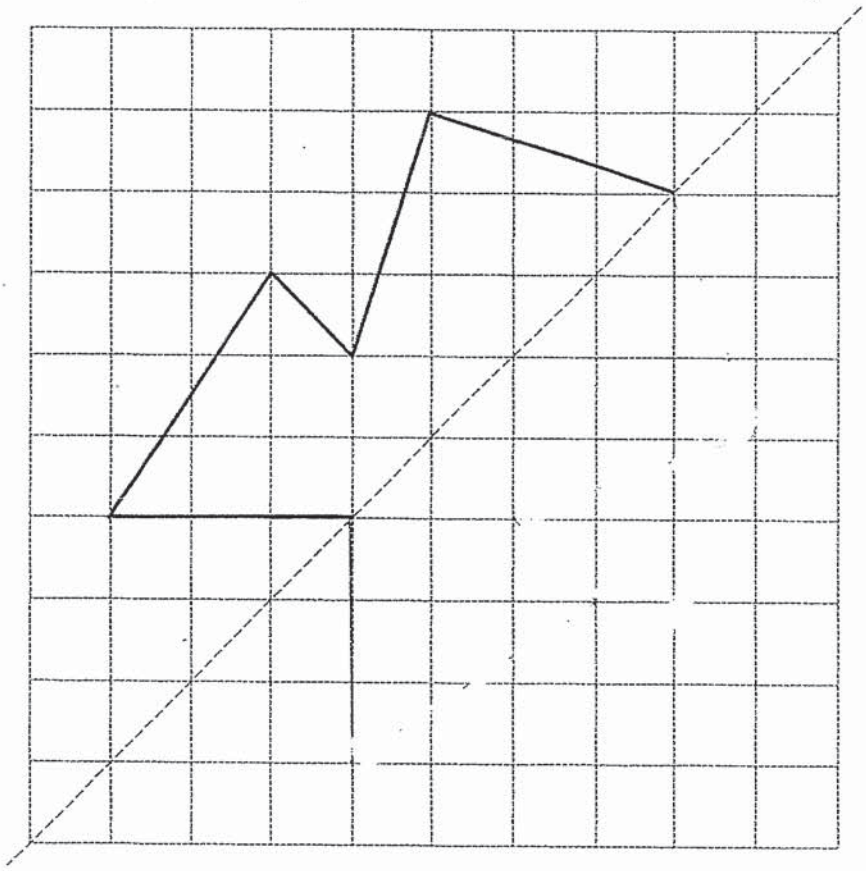
32. The table shows the cost of flight tickets to three cities, Sydney, London and New York.

Country	Ticket Price ($)
Sydney	?
London	$1100
New York	$1620

The total cost of tickets to New York and London is 4 times the cost of ticket to Sydney. What is the cost of ticket to Sydney?

Ans: $_____

33. Complete the symmetric figure with the dotted line as a line of symmetry.



34. Container X has 96 more balls than Container Y. How many balls must be transferred from Container Y to Container X so that it has 112 balls less than Container X?

Ans: _____

35. A grocery store has a special offer for potato chips.

$1.90 per packet

Bryan wants to buy 14 packets of potato chips. What is the least amount of money he has to pay?

Ans: $_____

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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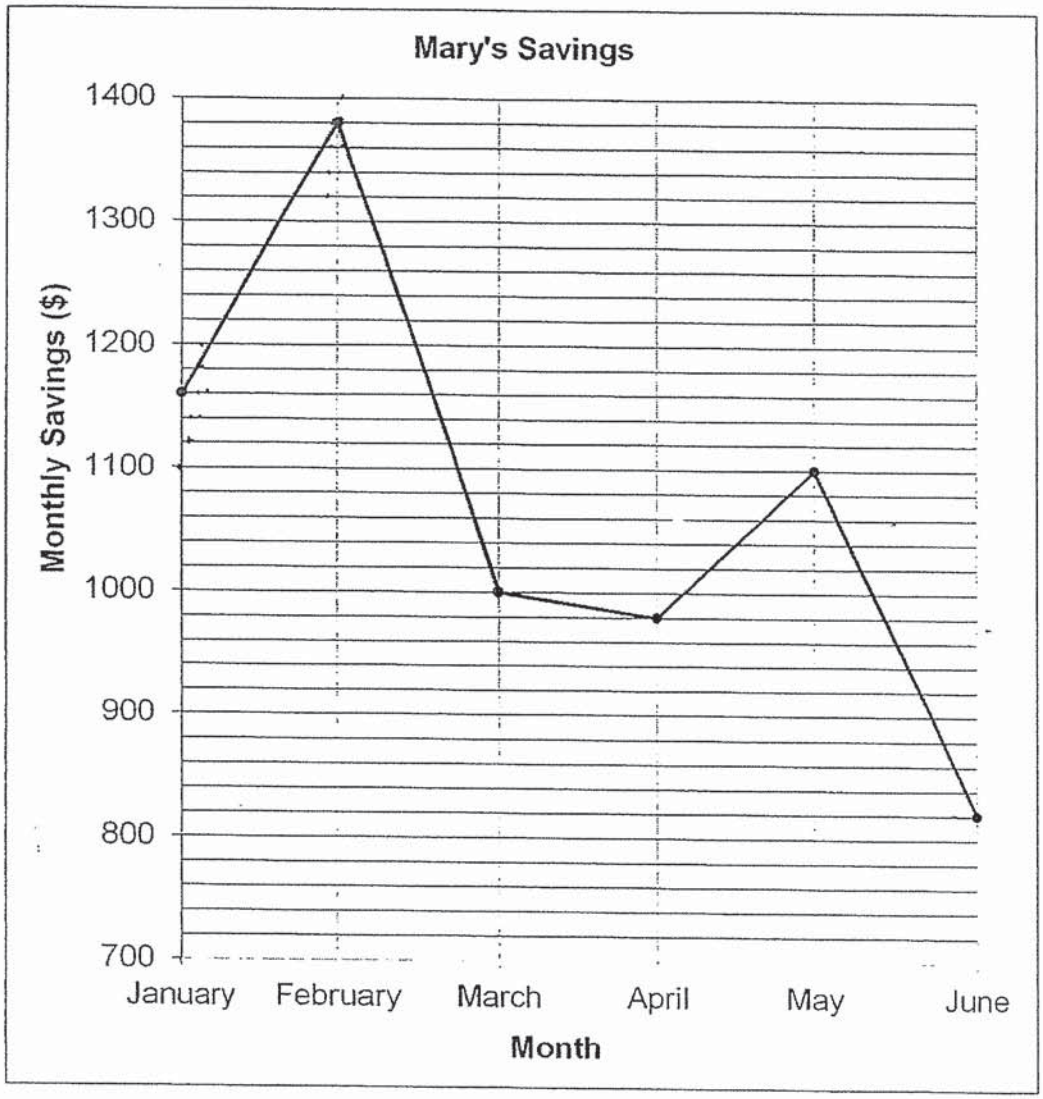
36. Factory A and Factory B produce 1508 boxes a day. Factory B produces 3 times as many boxes as Factory A. How many boxes does Factory B produce?

Ans: _____ [3]

37. The line graph shows Mary's savings from January to June.



a) What was the amount of money Mary saved in January?

b) What was the difference between the amount of savings in the month that Mary saved the most and the least?

Ans: a)_____ [1]

b)_____ [2]

38. Mrs Choo bought a peach, 2 pears and 6 apples for $8.70. The cost of 1 pear and 3 apples was $2.60. What was the cost of the peach?

Ans: _____ [3]

39. Ali bought 8 kg of flour. He used $\frac{2}{5}$ kg of the flour to bake a cake and $\frac{1}{4}$ kg of it to bake chocolate cookies.

a) What was the total mass of flour he used altogether?

b) What was the mass of flour he had left?

Ans: a) _____ [2]

b) _____ [2]

40. Mr Wong earned $0.25 for every newspaper he sold. He earned an additional $1.50 for every 10 copies of newspaper sold.

a) How much did Mr Wong earn in total for selling 10 copies of newspaper?

b) He earned $48 one day. How many copies of newspaper did he sell that day?

Ans: a) _____[2]

b) _____[2]

41. The time in New Zealand is 4 hours ahead of the time in Singapore. When it is 10 00 in Singapore, it is 14 00 in New Zealand. Kathy went to New Zealand for a work trip. She would be taking a flight from New Zealand at 06 40 to come back to Singapore. The flight duration is 9 h 55 min. At what time would Kathy reach Singapore?

Ans: _____ [4]

42. The figures are formed using identical sticks.
Study the figures and table carefully and answer the questions.

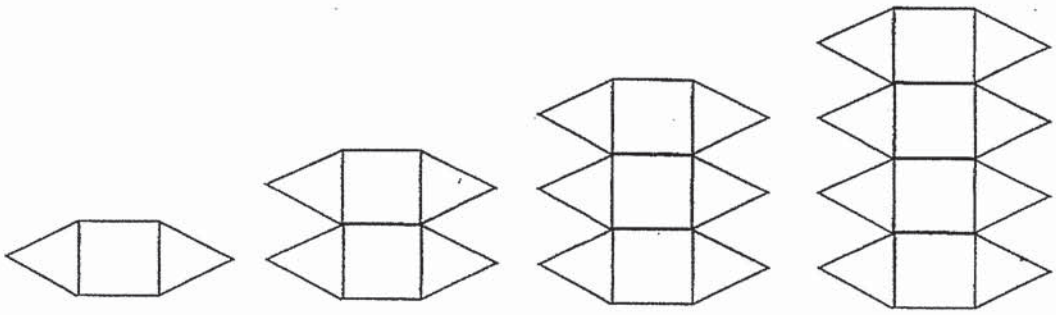


Figure 1 Figure 2 Figure 3 Figure 4

Figure Number	1	2	3	4	.....	18
Number of sticks	8	15	22	(a)	.....	.....
Number of triangles	2	4	6	8	.....	(b)

(a) How many sticks are there in Figure 4?

(b) How many triangles are there in Figure 18?

(c) How many sticks are there in Figure 50?

Ans: a) _____ [1]

b) _____ [1]

c) _____ [3]

43. Mr Lim had 344 fruits. $\frac{3}{4}$ of the fruits sold were apples. Half of the remaining fruits sold were oranges and the rest were pears.

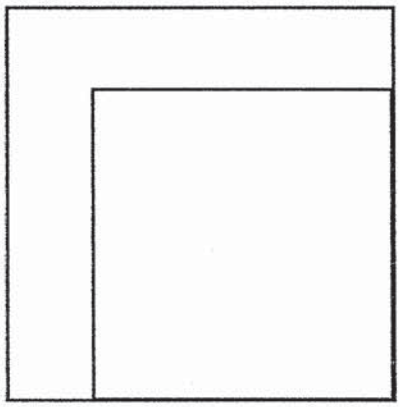
a) How many apples did he sell?

b) Mr Lim wanted to sell as many oranges as apples. How many more oranges would he need?

Ans: a) _____ [2]

b) _____ [3]

44. The figure is made up of 2 different squares. The perimeter of the shaded part is 64 cm and the area of the shaded part is 135 cm^2. Find the area of the unshaded square.



Ans: _____ [4]

-End of Paper-
Please check your work carefully ☺

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA 2

SECTION A

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

SECTION B

Q16) $2\frac{5}{6}$

Q17) 7005

Q18) $\frac{1}{8}$

Q19) 3079, 3790, 3907

Q20) 72°

Q21) 0.39

Q22) 12°

Q23) b and e

Q24) 7.56

Q25) (Measure 115° draw and label)

Q26) 3.04m

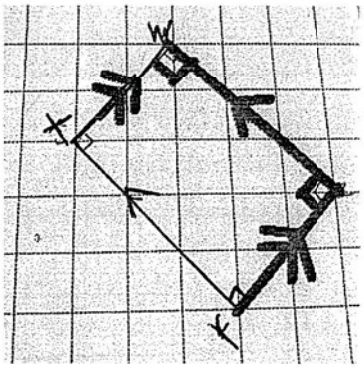
Q27) 8h 25min

Q28) $5735

Q29) school

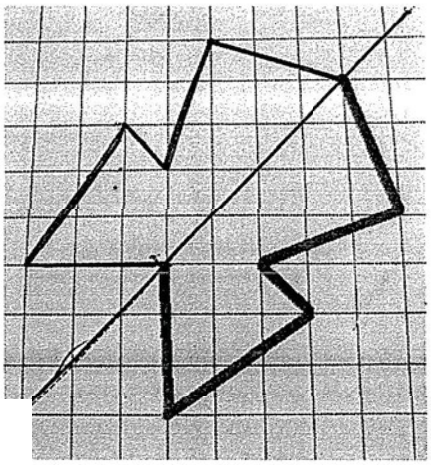
Q30) 12cm

Q31)



Q32) $680

Q33)



Q34) 8

Q35) $25.40

SECTION C

Q36) 4u → 1508

1u → 1508 ÷ 4
= 377

3u → 377 x 3
= 1131 boxes

Q37a) $1160

Q37b) 1380 – 820 = $560

Q38) 2.60 x 2 = 5.20
8.70 – 5.20 = $3.50

Q39a) $\frac{2}{5} = \frac{8}{20}$

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

$\frac{8}{20} + \frac{5}{20} = \frac{13}{20}$

Answer = $\frac{13}{20}$ kg

Q39b) 1 → $\frac{20}{20}$

$\frac{20}{20} - \frac{13}{20} = \frac{7}{20}$

$\frac{7}{20} + 7\text{kg} = 7\frac{7}{20}$

Answer = $7\frac{7}{20}$ kg

Q40a) 0.25 x 10 = 2.50

2.50 + 1.50 = $4

Q40b) 48 ÷ 4 = 12

12 x 10 = 120

Q41) 06 40 + 9h 55min = 16 35

16 35 – 4h = 12 35

Q42a) 22 + 7 = 29 sticks

Q42b) 18 x 2 = 36 triangles

Q42c) 50 x 7 = 350

350 + 1 = 351 sticks

Q43a) 344 ÷ 4 = 86

86 x 3 = 258 apples

Q43b) 86 ÷ 2 = 43

258 – 43 = 215

Q44) 64 ÷ 4 = 16

16 x 16 = 256

256 – 135 = 121 cm^2

END