



**RAFFLES GIRLS' PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2
MATHEMATICS
PRIMARY 4**

Name: _____ ()

Math Teacher: _____ Form Class: P4 _____

Date: 26 October 2017

Duration: 1h 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)	
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.

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.

1. In which of the following numbers does the digit 6 stand for 60?

- (1) 6540
- (2) 5640
- (3) 5406
- (4) 4560

2. 32 654 rounded to the nearest ten is _____.

- (1) 32 600
- (2) 32 650
- (3) 32 680
- (4) 32 700

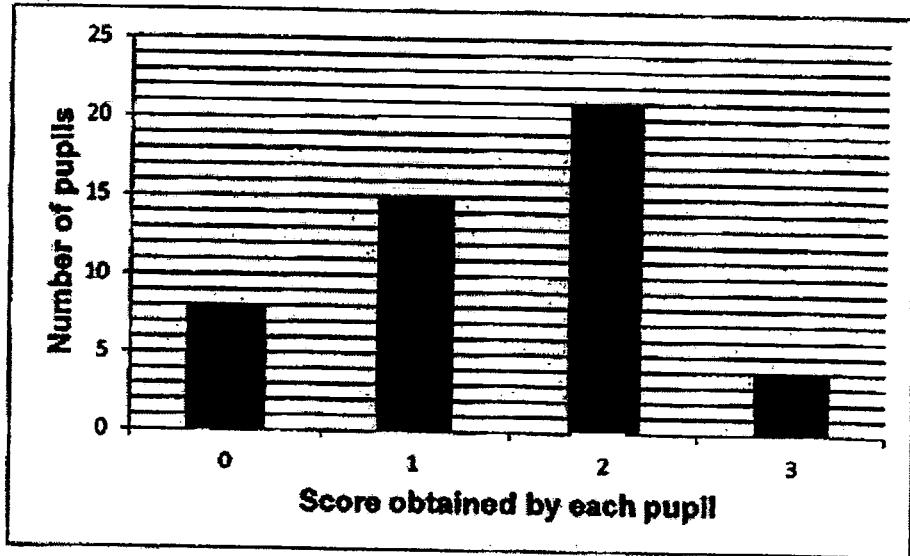
3. Round 35.49 to the nearest whole number.

- (1) 30
- (2) 35
- (3) 36
- (4) 40

4. 1 min 28 s = _____

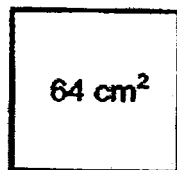
- (1) 28 s
- (2) 32 s
- (3) 88 s
- (4) 128 s

5. The following graph shows a record of the scores that each pupil obtained in a game. Study the graph carefully and answer the question.



How many pupils scored 2 points?

- (1) 21
 - (2) 15
 - (3) 8
 - (4) 4
6. In which of the following numbers does the digit 2 stand for 2 tenths?
- (1) 15.26
 - (2) 21.56
 - (3) 32.74
 - (4) 46.82
7. The area of a square is 64 cm^2 . Find its perimeter.

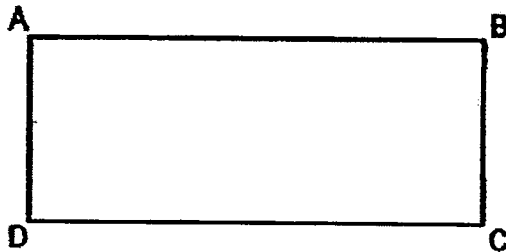


- (1) 64 cm
- (2) 32 cm
- (3) 16 cm
- (4) 8 cm

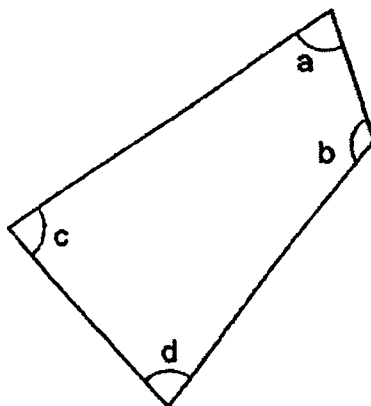
8. Susan has 468 stickers and Kelvin has 3 times as many stickers as Susan. How many stickers does Kelvin have?

- (1) 1404
- (2) 1204
- (3) 468
- (4) 156

9. The length of rectangle ABCD is 3 times its breadth. Its area is 108 cm^2 . What is its length?



- (1) 6 cm
 - (2) 18 cm
 - (3) 27 cm
 - (4) 36 cm
10. Jin Tai had \$12.45 left after buying 2 items. He bought a fidget spinner at \$5.75 and a story book at \$24.60. How much did he have at first?
- (1) \$18.20
 - (2) \$30.35
 - (3) \$37.05
 - (4) \$42.80
11. In the figure, which angle is greater than a right angle?



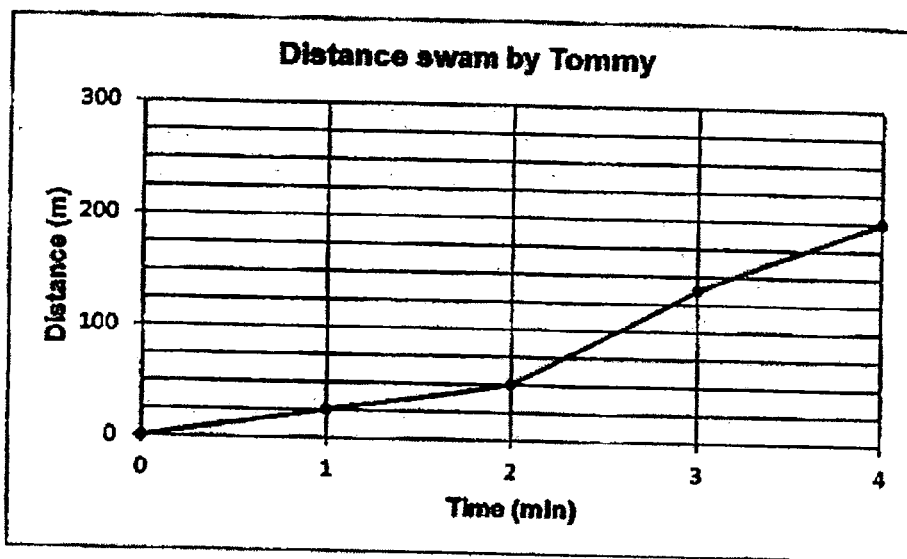
- (1) $\angle a$
- (2) $\angle b$
- (3) $\angle c$
- (4) $\angle d$

12. $7\frac{4}{9} = \frac{\square}{9}$

What is the missing number in the box?

- (1) 28
- (2) 63
- (3) 67
- (4) 74

13. The line graph shows the distance swam by Tommy in 4 minutes.



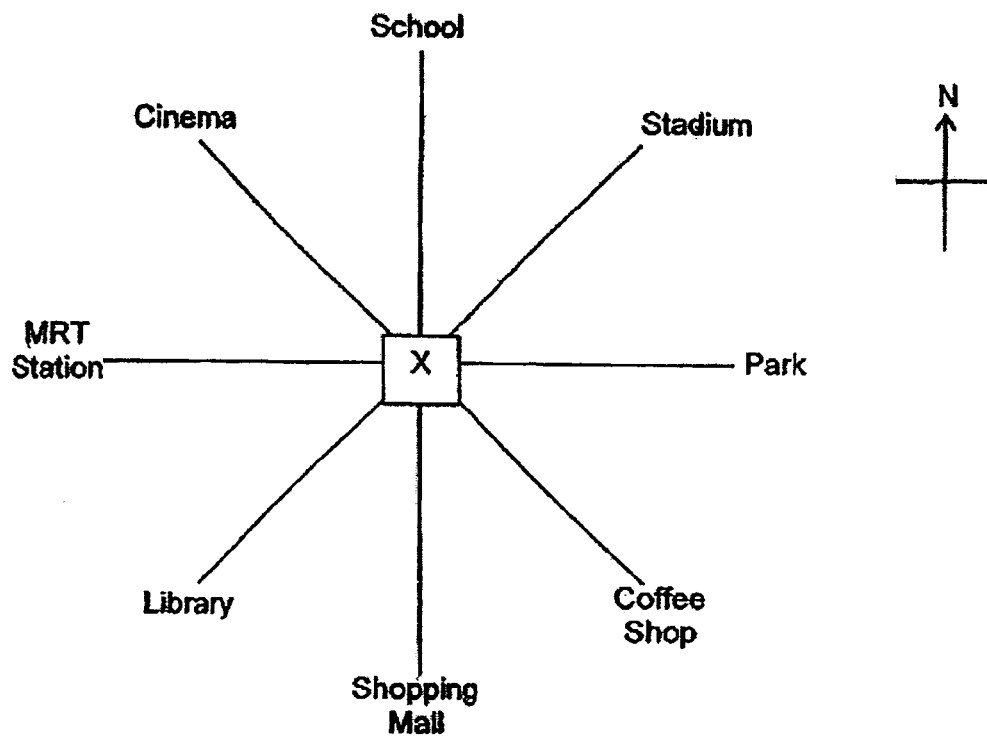
During which 1 minute interval did he swim the furthest?

- (1) 1 to 2
- (2) 2 to 3
- (3) 3 to 4
- (4) 0 to 1

14. Which of the following fractions is not in its simplest form?

- (1) $\frac{2}{5}$
- (2) $\frac{5}{9}$
- (3) $\frac{4}{10}$
- (4) $\frac{6}{7}$

15. Look at the diagram. Annie is standing at point X facing north-east now. She will need to turn through an angle of _____ to face the MRT Station.



- (1) 135° in the anti-clockwise direction
- (2) 135° in the clockwise direction
- (3) 45° in the anti-clockwise direction
- (4) 45° in the clockwise direction

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. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working.

16. Fill in the blank with the correct number in the number pattern.

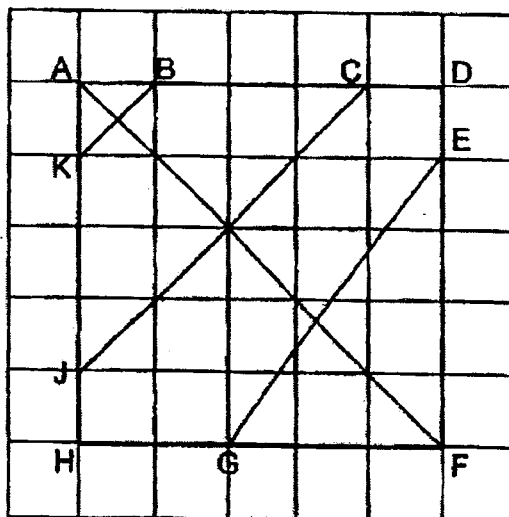
850, 825, 800, _____, 750

Ans: _____

17. Some factors of 32 are 1, 2, 4 and 32. What are the other two factors of 32?

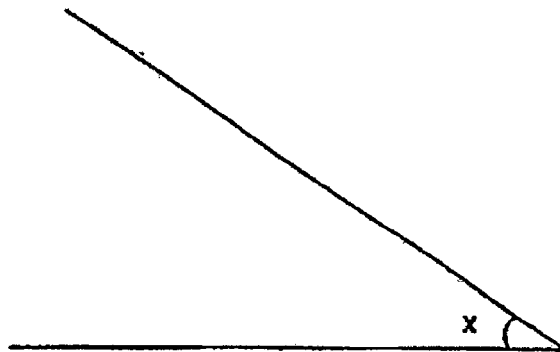
Ans: _____ and _____

18. In the figure, one of the lines is parallel to CJ. Which line is parallel to CJ?



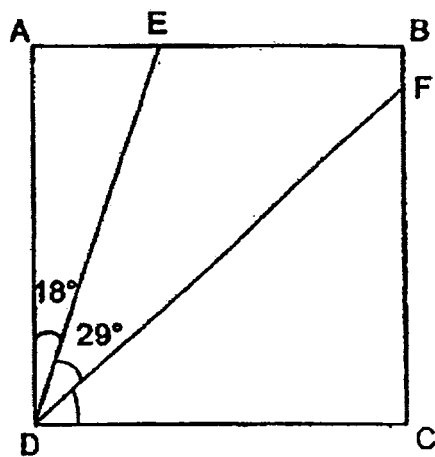
Ans: _____

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



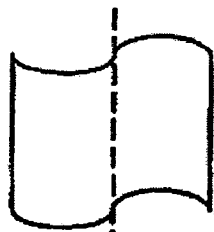
Ans: _____

20. In the figure shown, ABCD is a square. Find $\angle FDC$.

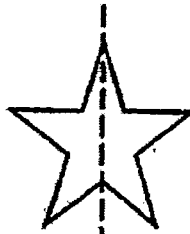


Ans: _____

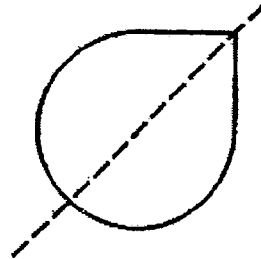
21. Which of the following figures have a line of symmetry each?



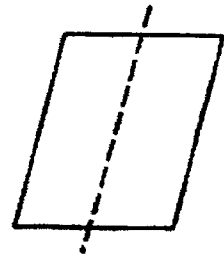
A



B



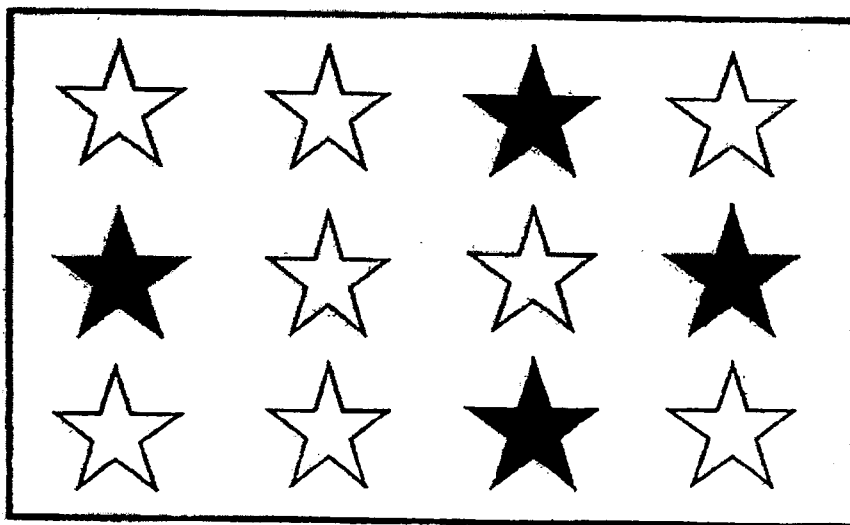
C



D

Ans: Figure _____ and _____

22. What fraction of the stars shown are grey in colour?
Give your answer in the simplest form.



Ans: _____

23. $\frac{7}{9} - \frac{2}{3} =$ _____

Ans: _____

24. Arrange these numbers from the smallest to the greatest.

0.86, 3.1, 0.799, 0.091

Ans: _____
(smallest) (greatest)

25. Express $\frac{70}{100}$ as a decimal.

Ans: _____

26. Factory A produces 4832 toys a year. Factory B produces 1389 more toys a year than Factory A. How many toys do the two factories produce in a year?

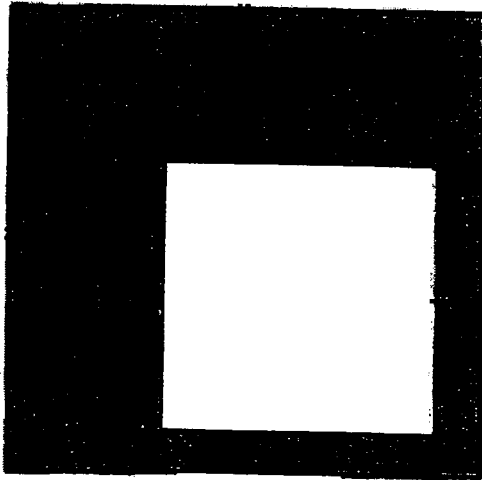
Ans: _____

27. The table shows the number of ice cream cones sold by Mr Tay from Friday to Sunday. He sold twice as many ice cream cones on Saturday than on Sunday. How many ice cream cones did he sell on Sunday?

Day	Number of ice cream cones
Friday	78
Saturday	?
Sunday	?
Total	366

Ans: _____

28. The figure is made up of 2 squares. The length of one side of the smaller square is 6 cm. The shaded area is 45 cm^2 . Find the length of 1 side of the bigger square.



Ans: _____ cm

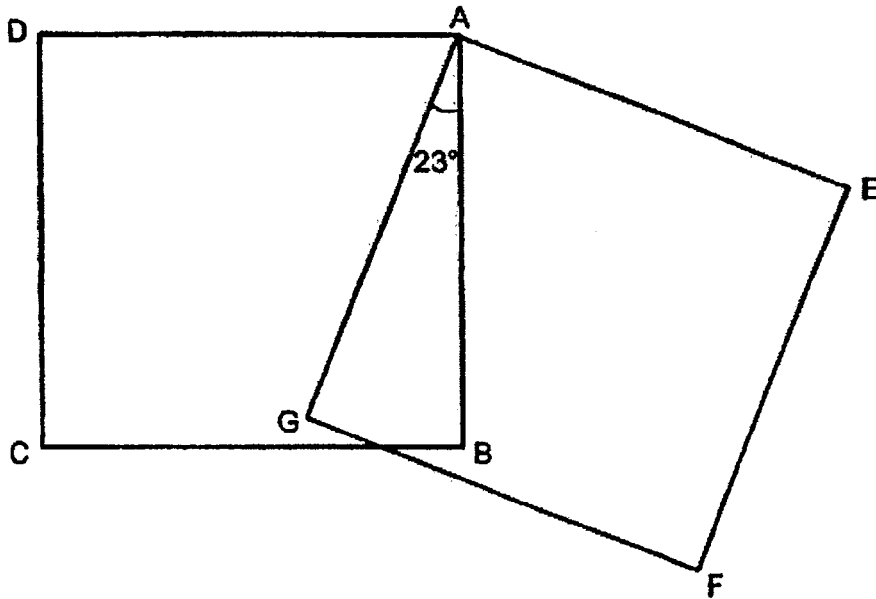
29. A netball match between Sunshine Primary School and Rainbow Primary School lasted 1 h 15 min. The match ended at 3.55 p.m. What time did it start? Express your answer using the 24-hour clock.

Ans: _____

30. Draw $\angle XYZ = 127^\circ$ using the given line. Mark and label the angle.



31. In the figure, ABCD and AEFG are squares. $\angle GAB$ is 23° . Find $\angle EAB$.

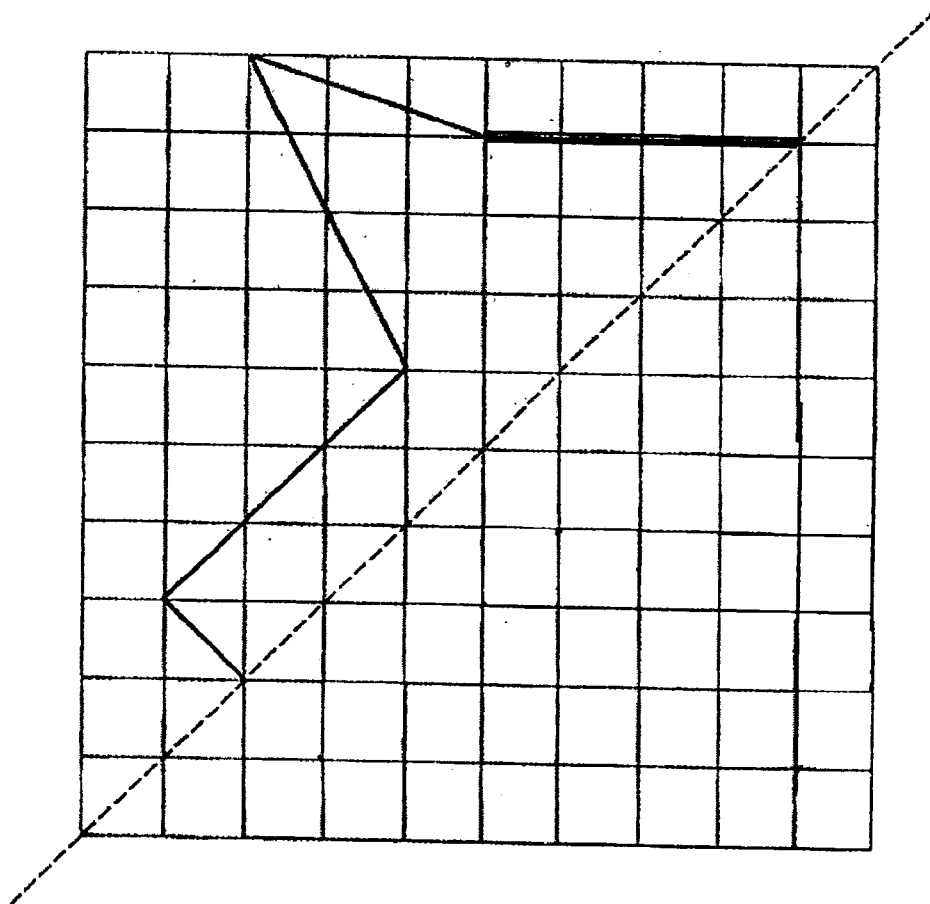


Ans: _____

32. Annie used some thread to make identical bracelets for 8 of her friends. She used 32.78 cm of thread for each bracelet. How much thread did Annie use to make the bracelets?

Ans: _____ cm

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



34.

$$85 \div \text{cloud} = \text{cloud} \text{ remainder } \text{lightning}$$

$$\text{cloud} \times \text{lightning} = 36$$

Ans:

cloud	=	_____
lightning	=	_____

35. The cost of 1 pen and 5 pencils is \$39.50.
 The cost of 3 pens and 5 pencils is \$63.50.
 What is the cost of 4 pens and 10 pencils?

Ans: \$ _____

SECTION C (35 marks)

For questions 36 to 44, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. 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.

36. There are 5788 beads in container A.
There are 295 fewer beads in container B than in container A.
How many beads are there altogether?

Ans: _____ [3]

37. The table shows the number of pupils in a class who were born from January to April.

Month	January	February	March	April
Boys	3	1	1	4
Girls	2	4	0	4

- a) How many pupils in the class were born in the first 4 months of the year?
b) There were 44 pupils in the class altogether. How many pupils were born from May to December?
c) Joseph was born in March. How many pupils in his class have birthdays earlier than him in the year?

Ans: a) _____ [1]

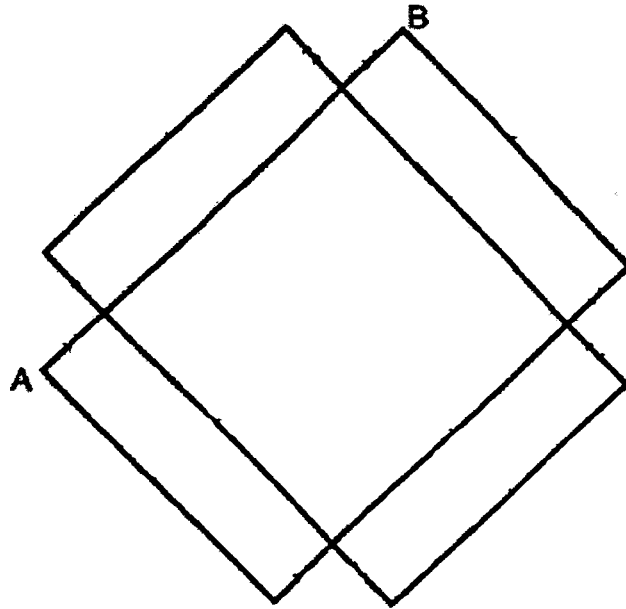
b) _____ [1]

c) _____ [1]

38. Pei Ling had 3 times as many cards as Zandy.
Sulaiman had half the number of cards Zandy had.
There were a total of 1278 cards.
How many more cards did Pei Ling have than Zandy?

Ans: _____ [3]

39. The figure is made up of 4 identical rectangles and a square. The length of each rectangle is 4 times its breadth. AB is 24 cm. Find the area of the entire figure.



Ans: _____ [4]

40. Miss Tan bought some ingredients for a party.
First, she bought some milo from Stall A with \$5.20 more than half of her money. After that, she bought some ice from Stall B with \$1.20 less than half of her remaining money. She had \$4 left.
How much money did she spend buying milo from Stall A?

Ans: _____ [4]

41. Yihui loves watching Korean drama. She recorded 3 episodes of it to watch after she reached home. Each episode lasted for 48 minutes. She finished watching all the episodes without stopping at 9.30 p.m. What time did she start watching her Korean drama? Express your answer in 24 hour clock.

Ans: _____ [4]

42. Mr. Tan bought 5 boxes of erasers. There were 24 erasers in each box. He gave $\frac{3}{8}$ of the erasers to his daughter and some to his son. He had 70 erasers left. How many erasers did Mr. Tan give to his son?

Ans: _____ [4]

43. Mr.Johnson walked 6500 steps in 3 days. On Monday, he took some steps, on Tuesday, he took $\frac{2}{5}$ of the steps and on Wednesday, he took $\frac{1}{2}$ of the steps.

- a) What fraction of the 6500 steps did Mr.Johnson take on Monday?
Give your answer in the simplest form.
- b) How many steps did Mr Johnson take in total for Tuesday and Wednesday?

Ans: a) _____[2]

b) _____[3]

44. Su Cheng spent 10 days on a cruise during her June holiday. For every dollar she spent on the cruise, she earned 10 points. She earned 500 points on her 1st day. On each subsequent day, she earned 50 more points than the previous day.
- a) What was the total number of points she earned in the first four days?
 - b) What was the total number of points she earned at the end of her cruise holiday?
 - c) How much did she spend altogether on the cruise?

Ans: a) _____ [2]

b) _____ [2]

c) _____ [1]

-End of Paper-
Please check your work carefully ☺

Setters: J. Ong
Tan Y.T.

SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
 LEVEL : PRIMARY 4
 SUBJECT : MATH
 TERM : 2017 SA2

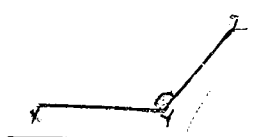
CONTACT :

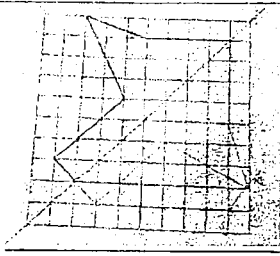
SECTION A

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

SECTION B

Q16	Q17	Q18	Q19	Q20
775	16, 8	KB	33	43
Q21	Q22	Q23	Q24	
B,C	1/3	1/9	0.091, 0.799, 0.86, 3.1	

Q25)	<u>0.70</u>
Q26)	$4832 \times 2 = 9664$ $9664 + 1389 = \underline{11053}$
Q27)	$366 - 78 = 288$ $288/3 = \underline{96}$
Q28)	$6 \times 6 = 36$ $36 + 45 = 81$ Length $\rightarrow \underline{9}$
Q29)	<u>1440</u>
Q30)	
Q31)	$90 - 23 = \underline{67}$

Q32)	$32.78 \times 8 = \underline{262.24}$
Q33)	
Q34)	$9 \times 9 + 4 = \underline{85}$
Q35)	$2 \text{ pens} \rightarrow 63.50 - 39.50 = 24.00$ $1 \text{ pen} \rightarrow 24.00/2 = 12.00$ $5 \text{ pencils} \rightarrow 39.50 - 12.00 = 27.50$ $10 \text{ pencils} \rightarrow 27.50 \times 2 = 55.00$ $4 \text{ pens} \rightarrow 24.00 \times 2 = 48.00$ $55 + 48 = \underline{103}$
Q36)	$5788 - 245 = 5493$ $5493 + 5788 = \underline{11281}$
Q37)	$(a) 5 + 5 + 1 + 8 = \underline{19}$ $(b) 44 - 19 = \underline{25}$ $(c) 5 + 5 = \underline{10}$
Q38)	$1278/9 = 142$ $142 \times 4 = \underline{568}$
Q39)	$24/6 = 4$ $4 \times 4 = 16$ $16 \times 4 = 64$ $64 \times 4 = 256$ $16 \times 16 = 256$ $256 + 256 = \underline{512}$
Q40)	$4 - 1.20 = 2.80$

	$2.80 \times 2 = 5.60$ $5.60 + 5.20 = 10.80$ $10.80 + 5.20 = \underline{16.00}$
Q41)	<u>1906</u>
Q42)	$24 \times 5 = 120$ $120/8 = 15$ $15 \times 3 = 45$ $45 + 70 = 115$ $120 - 115 = \underline{5}$
Q43)	(a) <u>1/10</u> (b) $6500/10 = 650$ $6500 - 650 = \underline{5850}$
Q44)	(a) $500 + 550 + 600 + 650 = \underline{2300}$ (b) $500 + 550 + 600 + 650 + 700 + 750 + 800 + 850 + 900 + 950 = \underline{7250}$ (c) $\$7250/10 = \underline{\$725}$