RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2
2014

Your Score Out of **100** marks	
Parent's Signature	

Name :_____ ( ) Class: P3____

27 Oct 2014 MATHEMATICS Att: 1 h 45 min

SECTION A (40 marks)

Question 1 to 20 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 the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. In 3529, which digit has the smallest value?

   (1) 5

   (2) 2

   (3) 3

   (4) 9

2. What is the sum of 468 and 3039?

   (1) 2531

   (2) 2571

   (3) 3497

   (4) 3507

3. 528 cm = ____m____cm

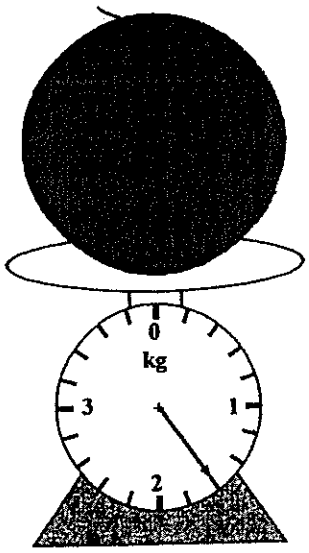
(1) 52m 80 cm

(2) 52m 8 cm

(3) 5m 280 cm

(4) 5m 28 cm

4. What is the mass of the watermelon?



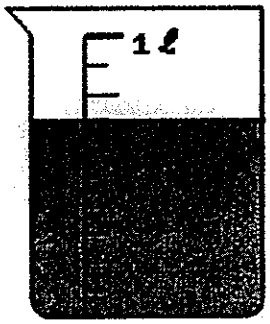
(1) 1 kg 300 g

(2) 1kg 500 g

(3) 1kg 600 g

(4) 1kg 800 g

5. What is the volume of the water in the beaker?



(1) 70 mℓ

(2) 80 mℓ

(3) 700 mℓ

(4) 800 mℓ

6. Four dollars have the same value as _____ twenty-cent coins.

(1) 5

(2) 10

(3) 15

(4) 20

7. The figure below is a rectangle.
How many squares must be shaded so that $\frac{3}{5}$ of the rectangle is shaded?

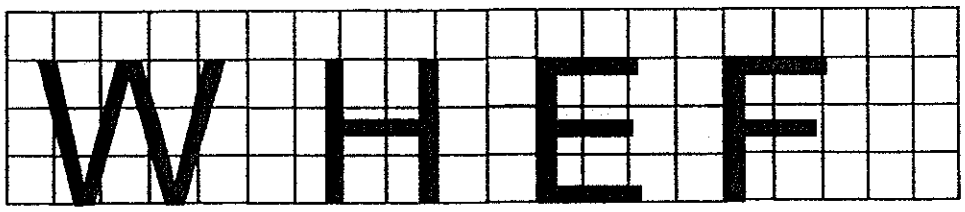
(1) 6

(2) 5

(3) 3

(4) 4

8. Which letter does not have perpendicular lines?



(1) W

(2) H

(3) E

(4) F

9. 230 min = _____h _____min

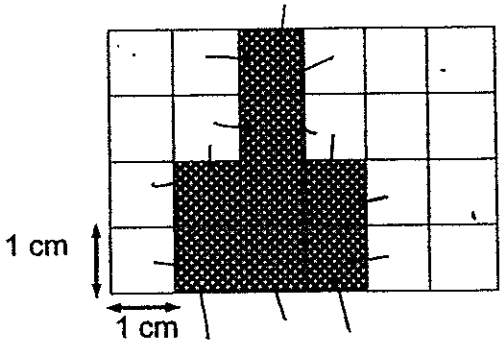
(1) 2 h 3 min

(2) 2 h 30 min

(3) 3 h 5 min

(4) 3 h 50 min

10. Find the perimeter of the shaded figure below.



(1) 8 cm

(2) 14 cm

(3) 23 cm

(4) 32 cm

11. Ting Ling has 2914 beads. She has 577 beads more than her sister. How many beads do they have altogether?

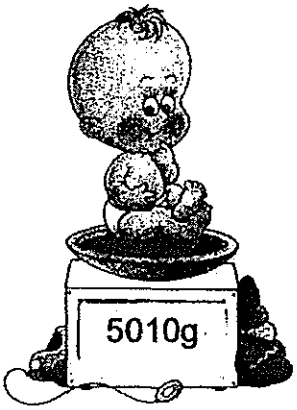
(1) 6405

(2) 5251

(3) 3491

(4) 2337

12. What is the mass of the baby?



(1) 50 kg 100 g

(2) 50 kg 10 g

(3) 5 kg 100 g

(4) 5 kg 10 g

13. Jo and Tim had $144 altogether.
Jo had twice as much money as Tim.
After giving Tim some money, Jo had the same amount of money as Tim.
How much money did Jo give to Tim?

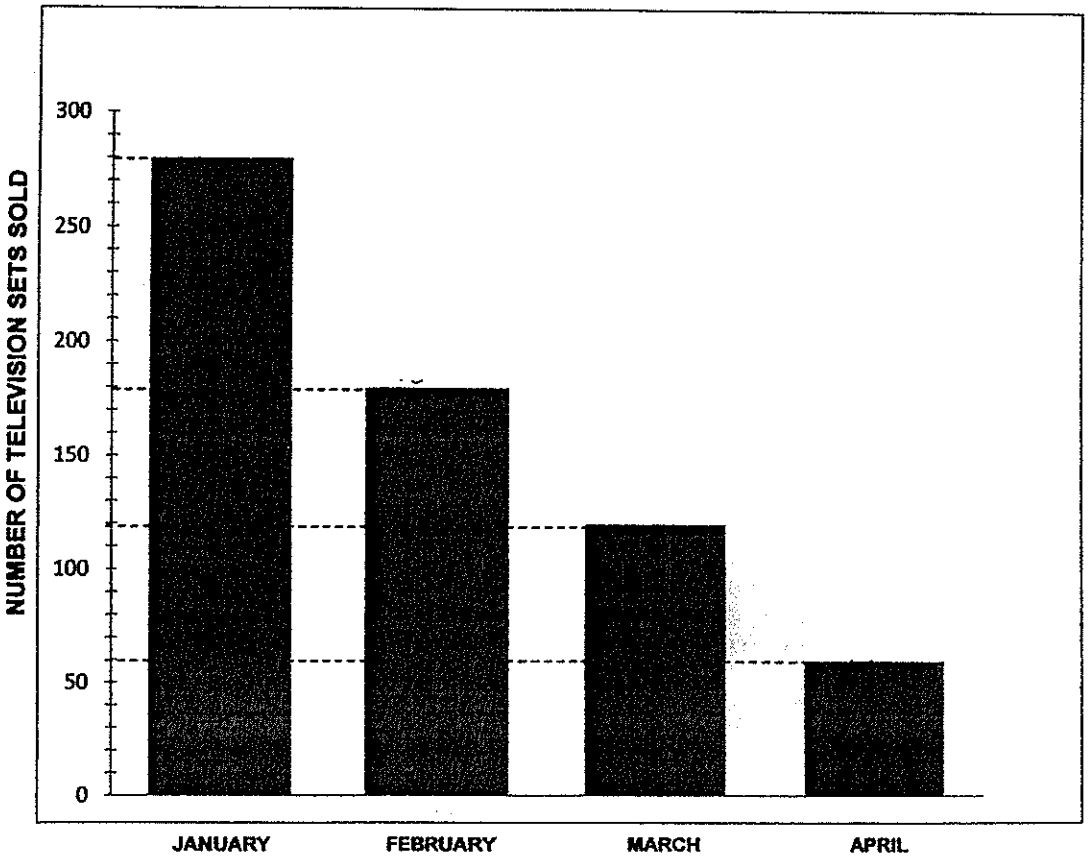
(1) $12

(2) $24

(3) $48

(4) $72

The following graph shows the number of television sets sold by an electrical shop from January to April. Use it to answer Question 14.



14. How many more television sets were sold in January than in April?

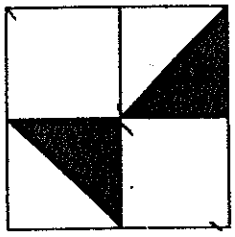
(1) 220

(2) 160

(3) 120

(4) 100

15. The figure below is made up of 4 identical squares.
What fraction of the figure is shaded?



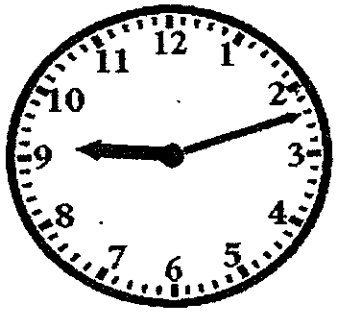
(1) $\frac{1}{4}$

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

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

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

16. Li Mei woke up at the time shown below. She had her breakfast 10 minutes later. When did she take her breakfast?



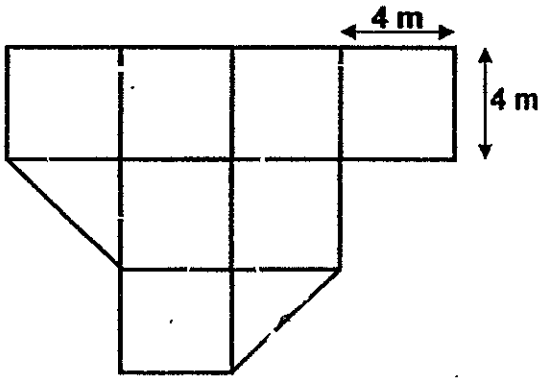
(1) 9.12 a.m.

(2) 9.22 a.m.

(3) 2.46 a.m.

(4) 2.56 a.m.

17. Find the area of the figure below.



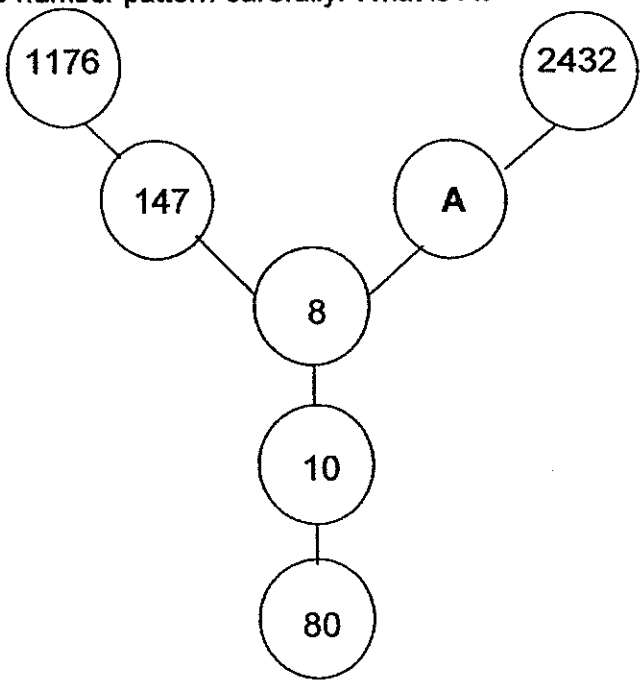
(1) 16 m^2

(2) 32 m^2

(3) 128 m^2

(4) 144 m^2

18. Study the number pattern carefully. What is A?



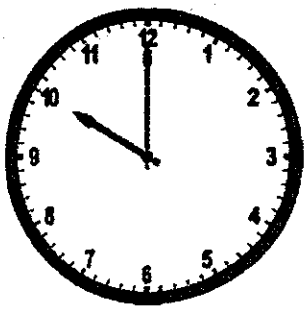
(1) 2424

(2) 1029

(3) 448

(4) 304

19. Siti's clock was accurate at 10.00 a.m.. For every hour that has passed, it slows down by 3 minutes.
What is the time shown on her clock when the actual time is 2 p.m.?



(1) 10.57 a.m.

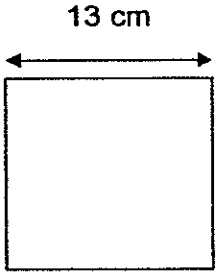
(2) 11.03 a.m.

(3) 1.48 p.m.

(4) 2.12 p.m.

20. Peter cut a piece of wire into 3 equal pieces. Each piece was bent to form a square as shown below. The length of each side of the square is 13 cm.

Find the length of the whole piece of wire Peter had at first.



(1) 169 cm

(2) 156 cm

(3) 52 cm

(4) 39 cm

SECTION B (40 marks)

Question 21 to 40 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.

21. In 7296, the digit _____ is in the thousands place.

Ans: _____

22. 6012 is _____ more than 3928.

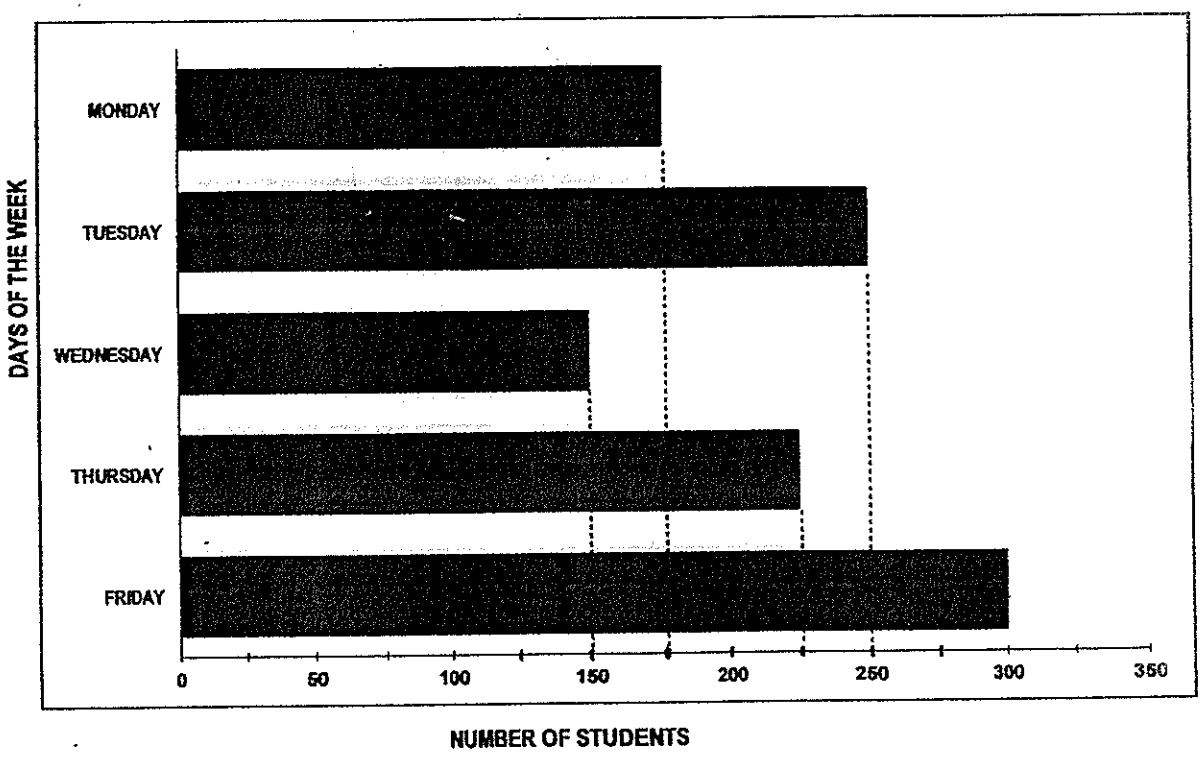
Ans: _____

23. 639 x 7 = _____

Ans: _____

Study the graph shown below.
It shows the number of students who visited a 5-day book fair.

Use the graph below to answer **Questions 24 and 25.**



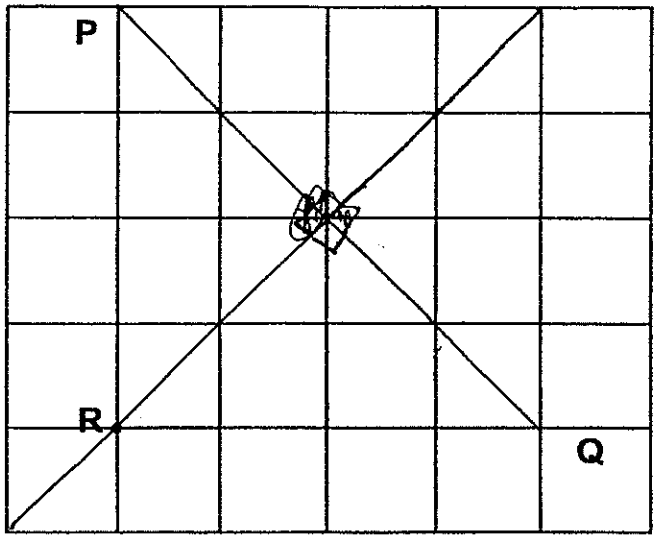
24. How many students visited the book fair on Monday?

Ans: _____

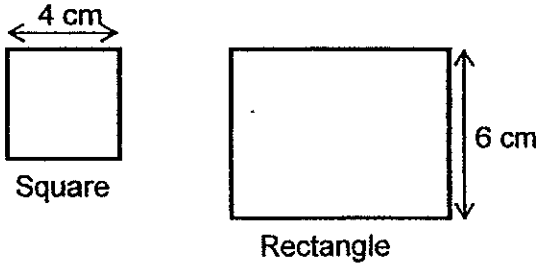
25. How many children visited the book fair on Thursday and Friday altogether?

Ans: _____

26. Draw a line that is perpendicular to line PQ and passing through point R.

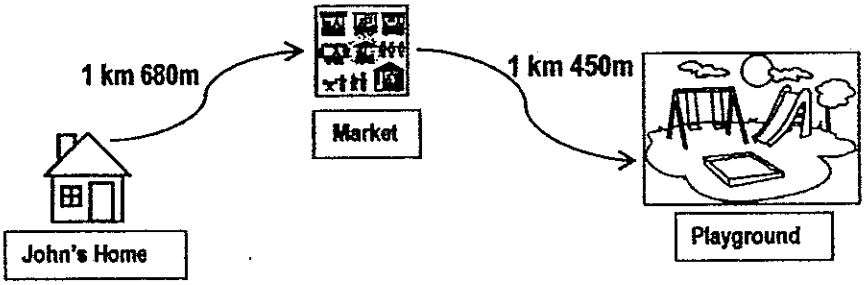


27. If the length of the rectangle is thrice that of the length of the square, what is the area of the rectangle as shown below?



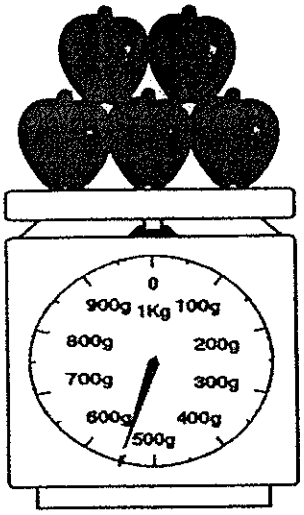
Ans: _____ cm^2

29. John walked from his home to the market before he went to the playground. What was the total distance he walked?



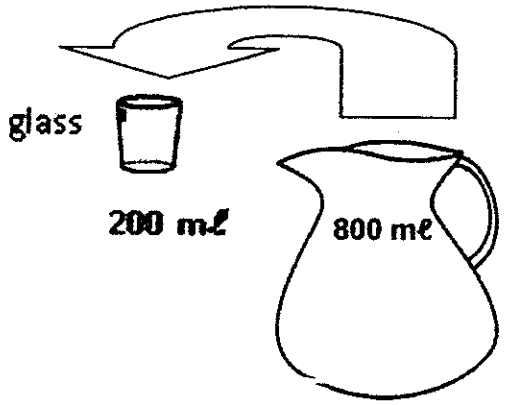
Ans:_____m

30. There are 5 similar apples on the scale. Find the mass of 15 such apples.



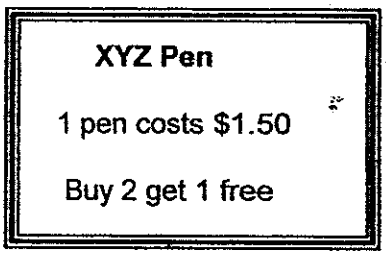
Ans:_____kg _____g

31. Each jug can hold 800 mℓ of water and each glass can hold 200 mℓ of water.
How many glasses of water can 3 such jugs fill?



Ans: _____

32. The picture below shows a poster at a school bookshop.
Sam paid $6 for some pens.
How many pens did he get altogether?



Ans: _____

33. Arrange the following fractions in order. Begin with the smallest.

$$\frac{3}{4} \quad \frac{1}{2} \quad \frac{7}{8}$$

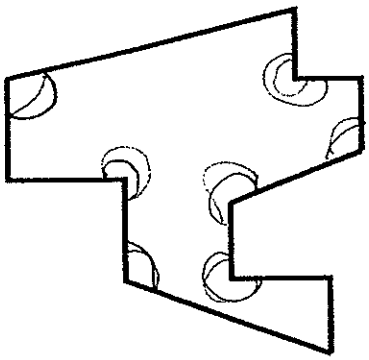
Ans: _____, _____, _____

34. What is the missing number in the box?

$$\frac{3}{12} + \frac{\square}{4} = 1$$

Ans: _____

35. Within the figure below, how many angles are greater than right angles?



Ans: _____

36. What is the value of A and B?

10, 10, 20, 30, 50, **A**, 130, 210 , 340, **B** , 890

Ans: A :_____

B :_____

37. Mr Chan had 4900 eggs. He sold 2045 eggs on Friday.
He sold 498 fewer eggs on Friday than on Saturday.
How many eggs had he left after Saturday?

Ans: _____

38. Y is a number which is more than 10 but less than 70.
When the number Y is divided by 8, the remainder is 6 but when it is divided by 5, there is no remainder. What is the number Y?

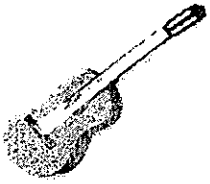
Ans: _____

39. Study the advertisement below.

CHRISTMAS SALE

Camera $160

Mouse $23.30



Guitar $788.50

Printer $235.99

Headphones $54 .75

Mrs Lee bought her children a mouse and a camera.

How much change should she get if she gave the cashier two $100 notes?

Ans: $_____

40. Linda used $\frac{2}{3}$ of the butter to make tarts and $\frac{1}{12}$ of it to make cookies.
What fraction of the butter is left?

Ans: _____

SECTION C (20 marks)

For Questions 41 to 46, 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.

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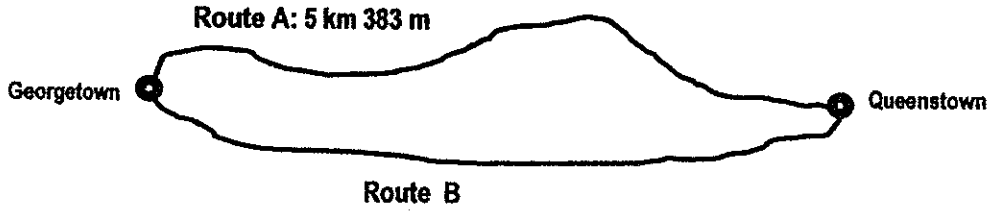
41. Rani can travel from Georgetown to Queenstown using Route A or Route B. Route A is 458 m longer than Route B.

    a) What is the distance of Route B?

    b) Rani travels to Queenstown and return to Georgetown using Route B only.

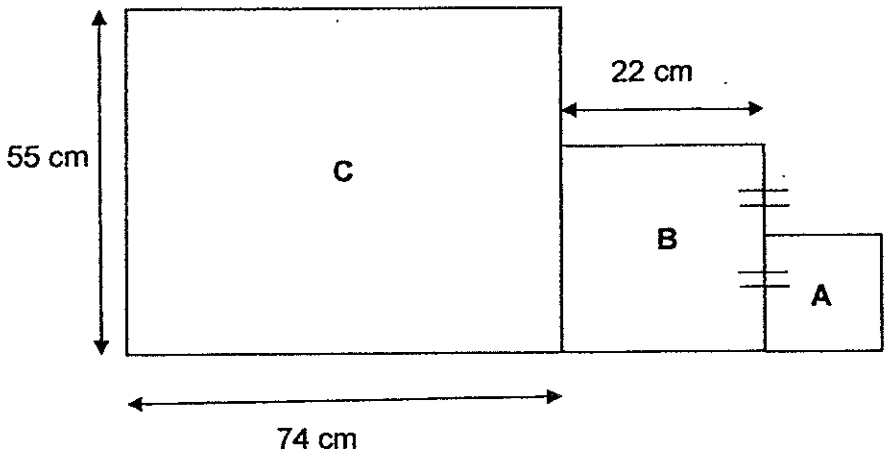
    What is the total distance she has travelled?



Ans: a)_____ [1]

b)_____ [2]

42. The figure below is made up of Square A, Square B and Rectangle C.
The length of Square B is twice as long as the length of Square A.
What is the perimeter of the figure?



Ans: _____ [3]

43. Jill has 3 times as many stickers as Ann.
Siti has 25 more stickers than Ann.
The three girls have 345 stickers in all.
How many stickers has Jill?

Ans: _____ [3]

44. A fruit seller sold some apples, oranges and pears in a day. The number of apples sold was three times as many as the number of oranges. $\frac{5}{9}$ of the fruits sold were pears.
How many fruits did the fruit seller sell if he sold 198 apples in a day?

Ans: _____ [3]

45. There are 28 ducks and goats altogether in a farm. If there are 72 legs altogether, how many goats are there?

Ans: _____ [4]

46. Peter paid a total of $286 for 4 pairs of shorts and 5 hats. Each hat cost $23 more than a pair of shorts. How much did one hat cost?

Ans: _____ [4]

-End of Paper-
Please check your work carefully ☺

Tan CP & Farhana

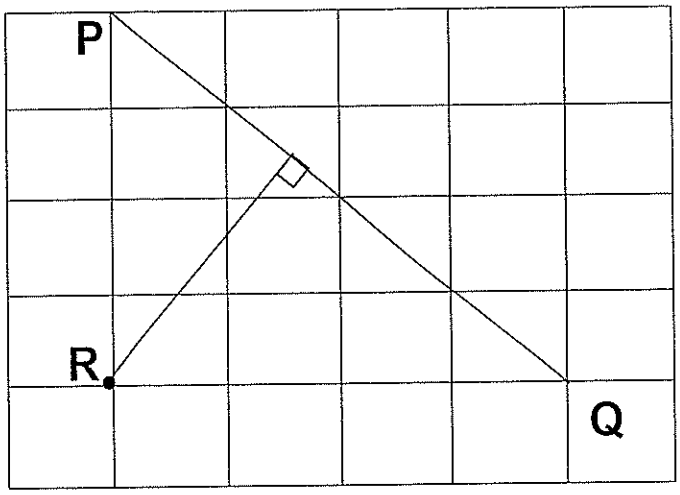
Raffles Girls' Primary School
Mathematics SA2 2014

Section A

Q1) 4	Q2) 4	Q3) 4	Q4) 3	Q5) 3
Q6) 4	Q7) 1	Q8) 1	Q9) 4	Q10) 2
Q11) 2	Q12) 4	Q13) 2	Q14) 1	Q15) 1
Q16) 2	Q17) 3	Q18) 4	Q19) 3	Q20) 2

Section B

21) 7
22) 2084
23) 4473
24) 175 students
25) 525 children
26)



27) 72cm²
28) Five thousand and thirty eight
29) 3130m
30) 1kg 650g
31) 12 glasses
32) 6 pens
33) ½, ¾, ⅞
34) 3
35) 7 angles
36) A: 80
B: 550
37) 312 eggs
38) 30
39) $16.70
40) ¼

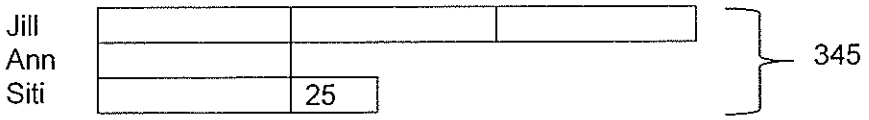
Section C

41) (a) Route B = 5km 383m – 458m
= 4km 925m
The total distance of Route B is 4km 925m.

(b) 4km 925m + 4km 925m = 9km 850m
The total distance she has travelled is 9km 850m.

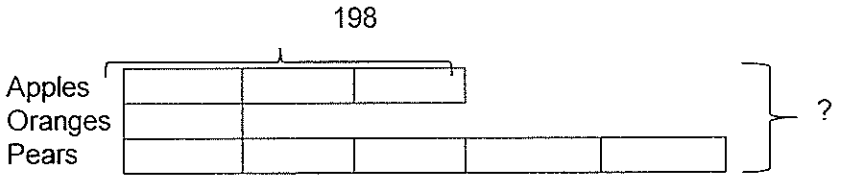
42) Length of square A = 22cm ÷ 2
= 11cm
55cm – 22cm = 33cm
22cm – 11cm = 11cm
Total perimeter of figure = 55cm + 74cm + 22cm + 11cm + 11cm + 11cm + 11cm + 22cm + 33cm
+74cm
= 324cm

43)



345 – 25 = 320 stickers
320 ÷ 5 = 64 stickers
Jill = 64 x 3
= 192 stickers
Jill has 192 stickers.

44)



198 ÷ 3 = 66
66 x 9 = 594
The fruit seller sold 594 fruits in a day.

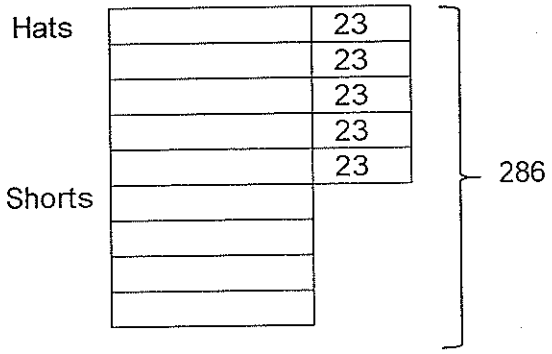
45) Ducks = 2 legs
Goats = 4 legs
28 x 2 legs = 56 legs
72 legs – 56 legs = 16 legs
16 ÷ 2 = 8 goats

Guess and check

Ducks	Ducks' legs	Goats	Goats' legs	Total legs
20	20 x 2 = 40 legs	8	8 x 4 = 32 legs	40 + 32 = 72 legs

There are 8 goats in a farm.

46)



$23 x 5 = $115
$286 - $115 = $171
$171 ÷ 9 = 19
$19 + $23 = $42