SEMESTRAL ASSESSMENT 2
2017

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

Name: _____ ( ) Class: P3__

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26 October 2017   **MATHEMATICS**   Duration: 1 h 45 min

SECTION A (40 marks)

Questions 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).

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1. Which number is 1005 more than 8987?

   (1)   7982

   (2)   8992

   (3)   9902

   (4)   9992

2. What is the difference between 275 and 4063?

   (1)   1313

   (2)   3788

   (3)   4212

   (4)   4338

3. 2506 m = _____km _____m

    (1) 2km 56m

    (2) 2km 506m

    (3) 25km 6m

    (4) 25km 60m

4. Find the mass of the packet of cookies below.
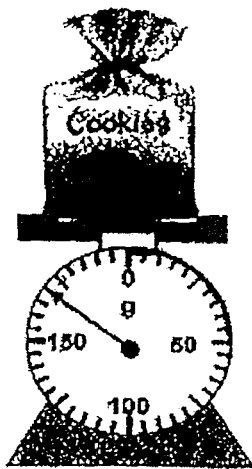
    (1) 154 g

    (2) 165 g

    (3) 170 g
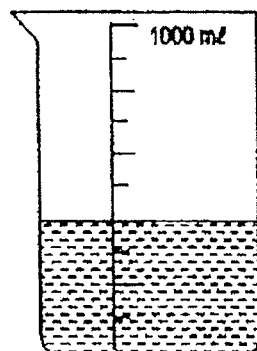
    (4) 180 g

5. $25.35 – $7.60 = _____

    (1) $17.75
    (2) $18.35
    (3) $22.35
    (4) $32.85

6. How much water is in the beaker shown below?

(1) 40 mℓ

(2) 60 mℓ

(3) 400 mℓ
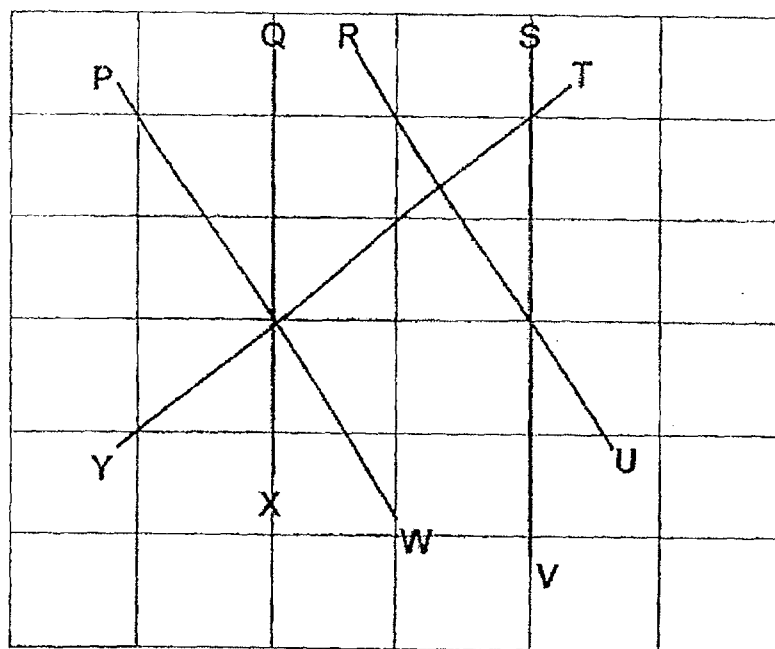
(4) 600 mℓ

7. What is the missing number in the box?

$$\frac{3}{4} = \frac{\Box}{12}$$

(1) 6
(2) 9
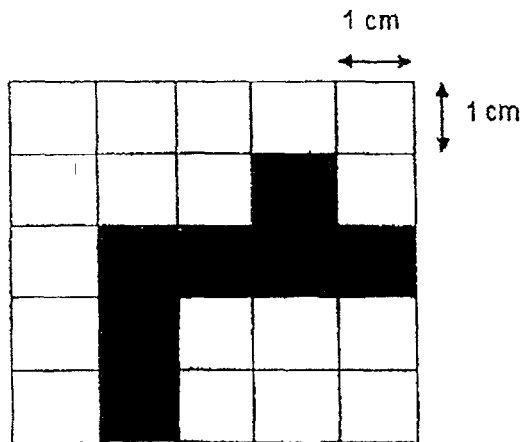(3) 3
(4) 4

8. How many minutes are there in 3 h 15 min?

   (1)   195 min
   (2)   315 min
   (3)   3015 min
   (4)   3150 min

9. Which line is parallel to line PW?

   (1)   QX

   (2)   TY

   (3)   SV

   (4)   RU

10. What is the perimeter of the shaded figure shown below?

1 cm

1 cm

(1) 7 cm
(2) 14 cm
(3) 16 cm
(4) 22 cm

11. Jason paid $379 for an electric kettle. He paid another $5821 for a washing machine. How much did he spend altogether?
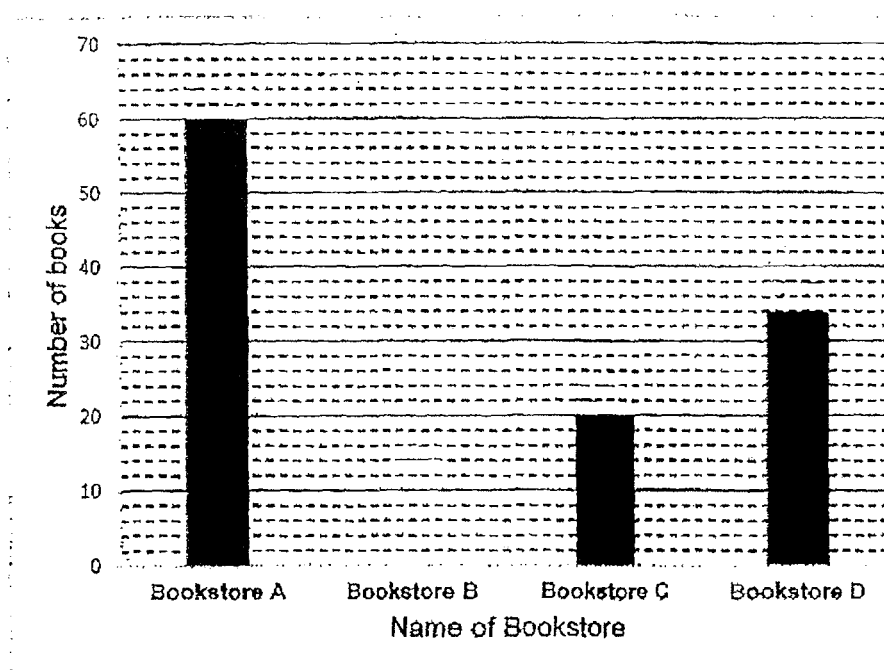
(1) $5442

(2) $6190

(3) $6200

(4) $9611

12. Express 4 kg 90 g in grams.

(1) 409 g

(2) 490 g

(3) 4090 g

(4) 4900 g

13. Kit spent $17.25 on a dictionary. She gave the cashier $50.
How much change did she get?

(1) $16.75

(2) $32.75

(3) $47.25

(4) $67.25

14. The graph shows the number of books in the bookstores.

Bookstore B has twice the number of books as in Bookstore C.
How many books are there in all the bookstores?

(1) 60
(2) 154
(3) 155
(4) 174

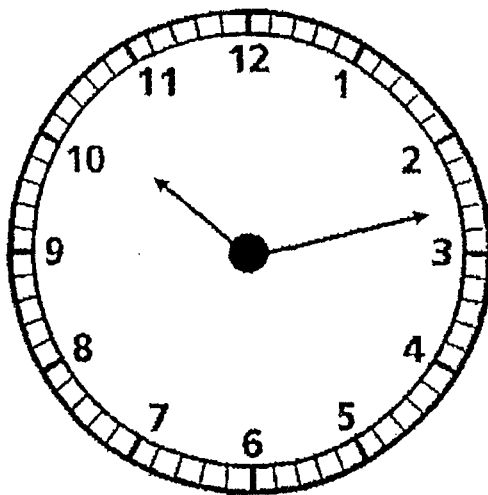15. $\dfrac{2}{3} + \dfrac{1}{12} = $ _____

   (1) $\dfrac{1}{9}$

   (2) $\dfrac{1}{5}$

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

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

16. What is the time shown on the clock below?
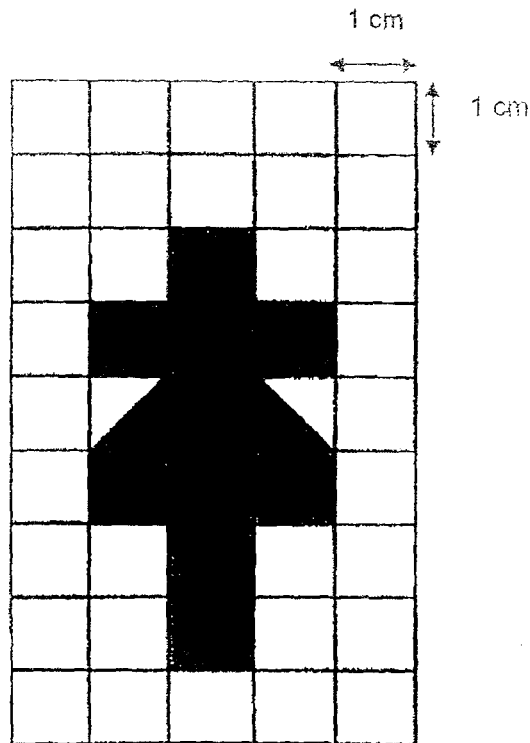

   (1) 13 minutes past 10
   (2) 13 minutes to 10
   (3) 13 minutes past 11
   (4) 13 minutes to 11

17. What is the area of the shaded figure?

1 cm

(1)   9 cm²

(2)   10 cm²

(3)   11 cm²

(4)   12 cm²

18. Siti has an equal number of boxes of oranges and apples. Each box of oranges has 5 oranges in it. Each box of apples has 3 apples in it. The difference between the total number of oranges and the total number of apples is 20. How many apples are there?

(1)   15

(2)   35

(3)   30

(4)   50

19.   Pauline took 1 h 35 min to complete her homework. She rested for half an hour and took another 1 h 15 min to complete Sudoku puzzles. She completed both her activities at 4.20 p.m. When did she start on her homework?

(1)   1.00 p.m.

(2)   1.30 p.m.

(3)   7.10 p.m.

(4)   7.40 p.m.

20.   The figure is made up of 2 identical rectangles. Find the perimeter of the figure.
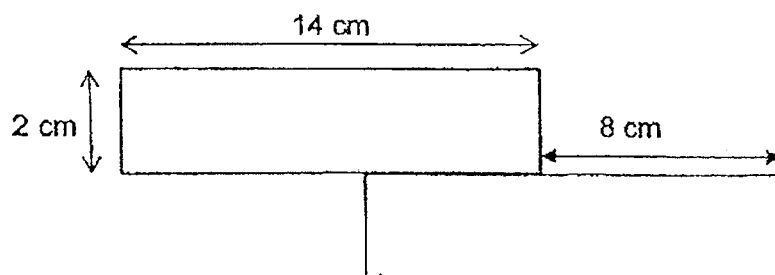
(1) 50 cm
(2) 52 cm
(3) 56 cm
(4) 64 cm

SECTION B (40 marks)

Questions 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. Write eight thousand, seven hundred and four in numerals.
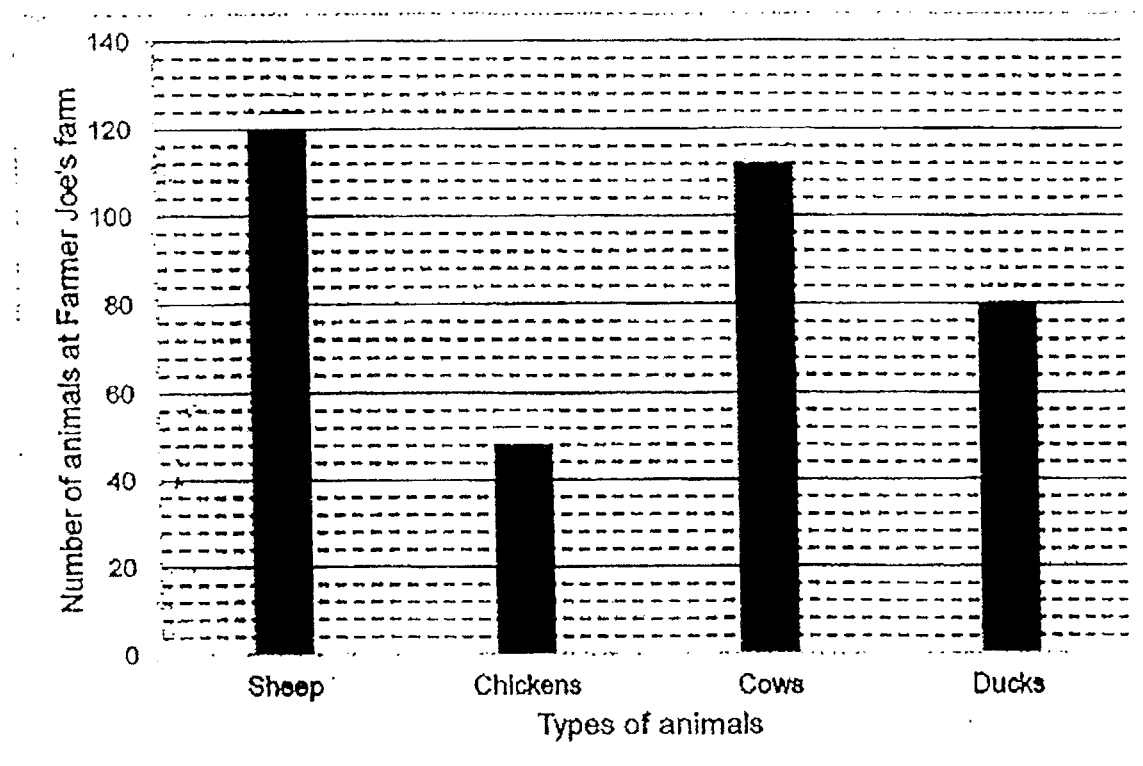
Ans: _____

22. Find the sum of 589 and 4914.

Ans: _____

23. What is the remainder when 607 is divided by 6?

Ans: _____

The graph shows the number of animals at Farmer Joe's farm.

Answer Question 24.

24. Find the total number of cows and chickens.
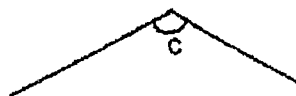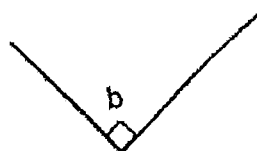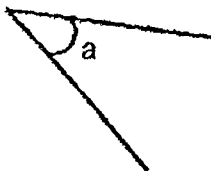

Ans: _____

25. Express $\frac{12}{28}$ as a fraction in its simplest form.

Ans: _____

26. Monica went for a movie which started at 5.10 p.m. It ended at 7.05 p.m. How long was the movie? Express your answer in hours and minutes.

Ans: ___h_____min

27. Which angle is greater than a right angle?

Ans: ∠ _____

28. Find the sum of 2609 + 869.

Which digit in your answer is in the thousands place?

Ans: _____

29. Look at the four number cards. Find the difference between the largest odd number and the smallest even number.

| 4832 | | 4831 | | 4318 | | 4183 |

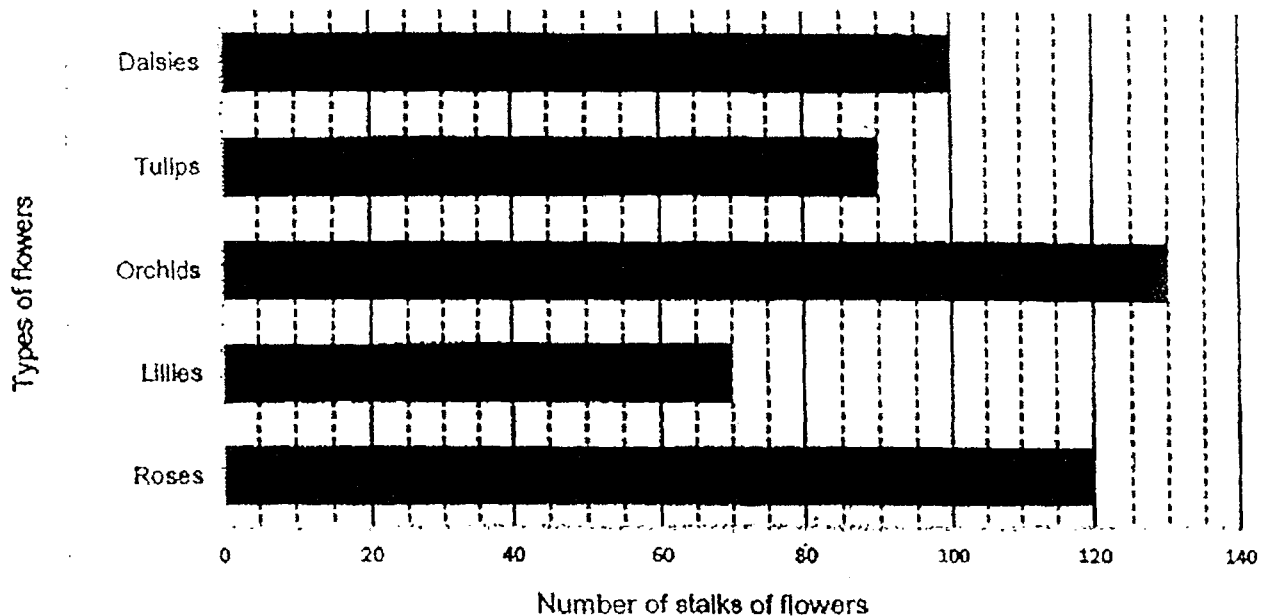Ans:_____

30. Express 4 m 8 cm in centimetres.

Ans:_____cm

31. Tammy and Hans drank 1200 mℓ of milk. Tammy drank 2 times as much milk as Hans. How much milk did Hans drink?

Ans: _____mℓ

32. A blouse cost $50.50. It cost $20.80 more than a skirt. What was the cost of the skirt?

Ans: $ _____

The graph shows the number of stalks of flowers in a shop.
Answer Question 33.

Number of stalks of flowers

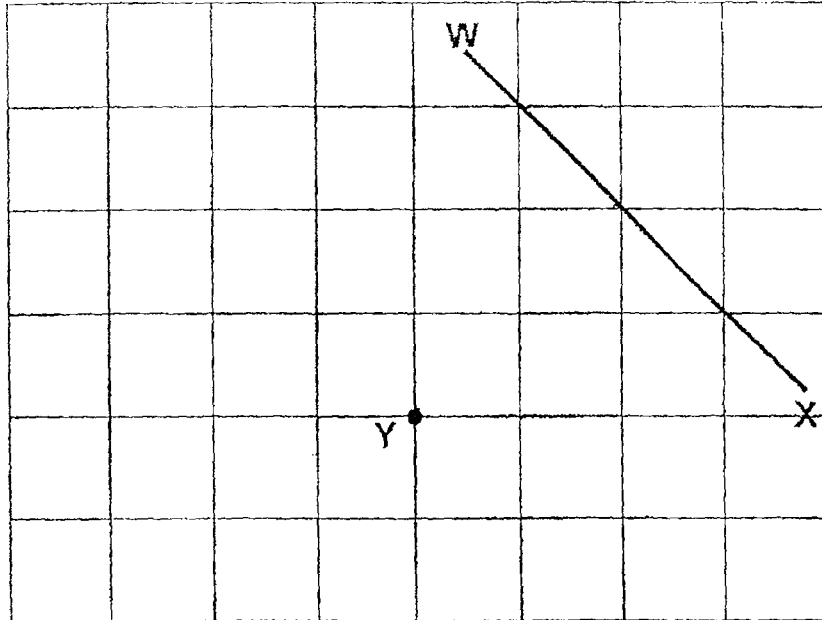33. How many more stalks of orchids than lilies are there in the shop?

Ans: _____

34. Fiona spent $\frac{3}{10}$ of her money on a pen and $\frac{2}{5}$ of her money on a dictionary.

What fraction of her money did she spend?

Ans: _____

35. Draw a line perpendicular to WX passing through point Y.

36. Find the missing number in the following number pattern.

5082,   5132,   5052,   5102,   [A],   5072,   4992

Ans: _____

37. The sum of two numbers is 8095. The bigger number is 4372.
   Find the difference between the two numbers.

Ans: _____

38. There were 273 marbles in a bag. John packed 3 such bags of marbles
   equally into 7 similar boxes. How many marbles were there in each box?

Ans : _____

39. Mr Yang has 38 apples. He places all of them into baskets. Each basket can hold at
   most 6 apples. What is the least number of baskets he needs?

Ans : _____

40. Arrange the following fractions in order, beginning with the greatest fraction.

| $\dfrac{7}{12}$ | $\dfrac{3}{4}$ | $\dfrac{1}{2}$ | $\dfrac{5}{6}$ |

Ans: _____, _____, _____, _____.

(Greatest)

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. The total mass of a dictionary and a storybook is 2250 g.
    The dictionary is 480 g heavier than the storybook.
      a) What is the mass of the storybook?
      b) What is the mass of the dictionary?

Ans: (a) _____ [2]

(b) _____ [1]

42.   Pole A is twice as long as Pole B. Pole B is 150 cm shorter than Pole C. Pole C is 124 cm shorter than Pole A.

a) What is the length of Pole B?
b) What is the length of Pole A?

Answer: a) _____ [2]

b) _____ [1]

43. A scientist used 20 lizards and ants for an experiment.

The lizards and ants have a total of 104 legs.

Each lizard has 4 legs and each ant has 6 legs.

What was the number of lizards used by the scientists?

Answer: _____[3]

44. The mass of 7 small iron balls in a box was 990 g.

When James took away 4 iron balls from the box, the mass of the box and the remaining iron balls became 570 g. What was the mass of one iron ball?
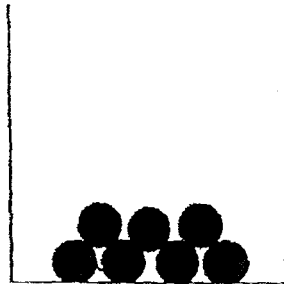
Answer: _____[3]

45. A rectangular piece of paper measures 20 cm by 7 cm.
Winston cuts out 4 equal squares from the piece of paper.
After cutting the 4 squares, he has 40 cm² of the paper left.
What is the area of each square?

20 cm

7 cm
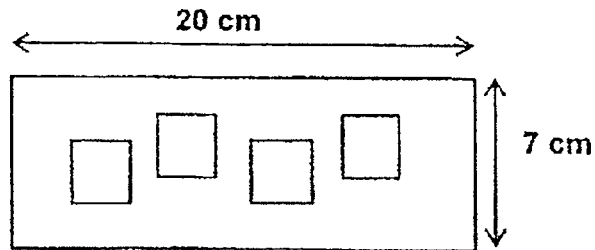
Answer: _____ [4]

46. Tracey, Jane and Lela had $880 altogether. Tracey had $160 more than Jane. Jane had twice as much money as Lela.

    a) How much money did Lela have?

    b) How much money did Tracey have?

Answer: a) _____ [2]

b) _____ [2]

-End of Paper-

Please check your work carefully ☺

Setters: Tan CP
        Wirda S.

EXAM PAPER 2017 (P3)
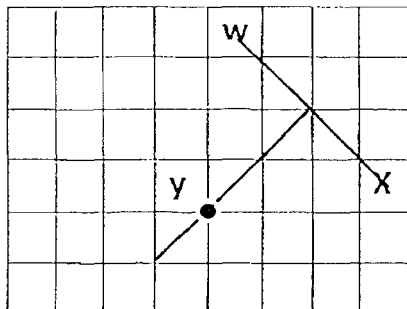
SCHOOL :RAFFLES GIRLS'

SUBJECT : MATHEMATICS

TERM : SA2

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

21)8704   22)5503   23)1   24)160   25)3/7

26)1 h 55 min   27)C   28)3   29)513   30)408 cm

31)400 ml   32)$29.70   33)60   34)7/10

35)

36)5022   37)649   38)117   39)7   40)5/6 , ¾ , 7/12 , ½

41)a)2250 g – 480 g = 1770 g

1770 g ÷ 2 = 885 g

The mass of the storybook is 885g.

b)885 g + 480 g = 1365 g

The mass of the dictionary is 1365 g.

42)a)150 cm + 124 cm = 274 cm

The length of pole B is 274 cm.

b)274 cm x 2 = 548 cm

The length of pole A is 548 cm.

43)20 x 6 = 120

120 – 104 = 16

6 – 4 = 2

16 ÷ 2 = 8

The scientist used 8 lizards.

44)990 g – 570 g = 420 g

7 – 3 = 4

420 g ÷ 4 = 105 g

45)20 cm x 7 cm = 140 cm2

140 cm2 – 40 cm2 = 100 cm2

100 cm2 ÷ 4 = 25 cm2

46)a)$880 - $160 = $720

$720 ÷ 5 = $144

Lela have $144

46)b)$144 x 2 = $288

$288 + $160 = $448

Tracey have $448