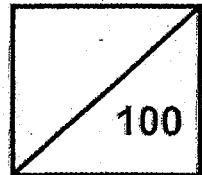




**Rosyth School**  
**Second Semestral Assessment 2017**  
**Mathematics**  
**Primary 4**

Total



Name: \_\_\_\_\_

Class: Pr 4 - \_\_\_\_\_ Register No. \_\_\_\_\_ Duration: 1 h.45 min

Date: 26 October 2017

Parent's Signature: \_\_\_\_\_

|           | Maximum | Marks Obtained |
|-----------|---------|----------------|
| Section A | 30      |                |
| Section B | 42      |                |
| Section C | 28      |                |
| Total     | 100     |                |

\* This paper consists of 23 printed pages altogether.



**Section A**

For questions 1 to 15, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided. Each question carries 2 marks.

(30 marks)

1. In which of the following numbers does the digit 6 stand for 600?

(1) 2368

(2) 3682

(3) 6832

(4) 8236

2. Seventy-three thousand and ninety-six in figures is \_\_\_\_\_.

(1) 7396

(2) 73 096

(3) 73 906

(4) 73 960

3. 17 452 rounded to the nearest hundred is \_\_\_\_\_.

(1) 17 400

(2) 17 450

(3) 17 500

(4) 17 000

4. Which of the following is **not** an equivalent fraction of  $\frac{1}{3}$ ?

(1)  $\frac{2}{6}$

(2)  $\frac{3}{9}$

(3)  $\frac{4}{15}$

(4)  $\frac{6}{18}$

5.  $\frac{1}{5} + \frac{1}{10} =$  \_\_\_\_\_

(1)  $\frac{2}{10}$

(2)  $\frac{3}{10}$

(3)  $\frac{2}{15}$

(4)  $\frac{1}{50}$

6. In the number 46.75, the digit \_\_\_\_\_ is in the hundredths place.

(1) 5

(2) 6

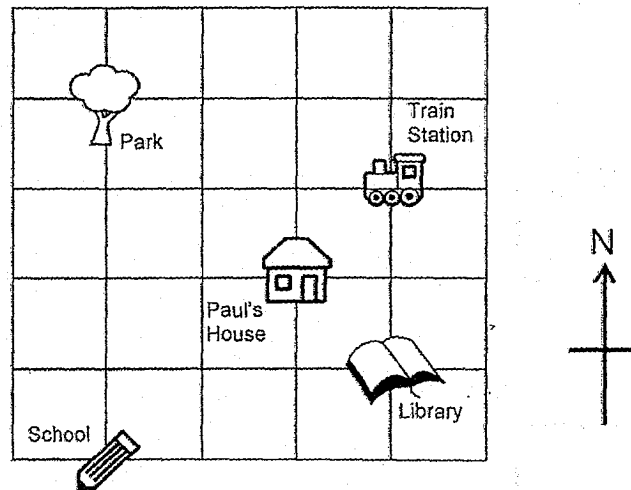
(3) 7

(4) 4

7. Wilson has \$1815.  
Yakim has \$427 less than Wilson.  
How much money do the two boys have altogether?

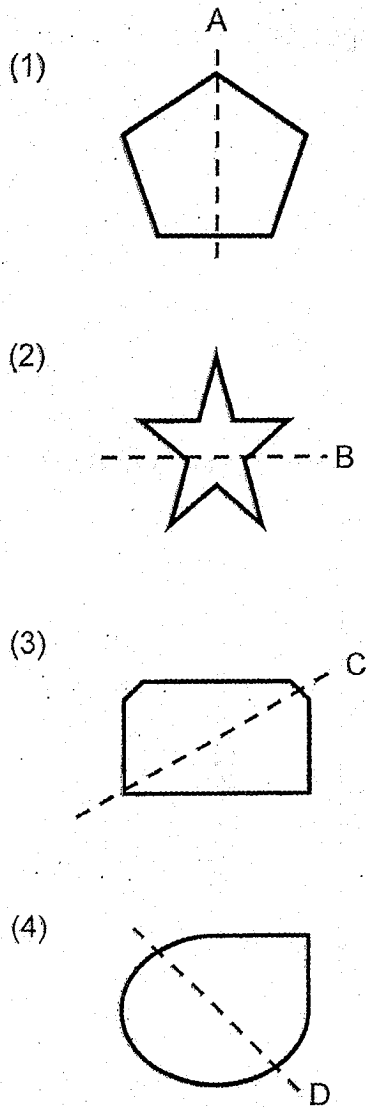
- (1) \$1388
- (2) \$2242
- (3) \$3203
- (4) \$4057

8. In the map given below, which place is north-west of Paul's house?



- (1) Park
- (2) Library
- (3) School
- (4) Train Station

9. Which of the following dotted lines, A, B, C or D, is a line of symmetry?

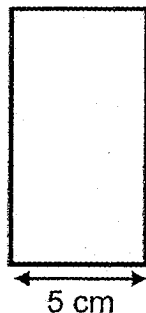


10. The table below shows the amount of money spent by three pupils on food and transport.

| Name                | Amount spent on food | Amount spent on transport | Total amount |
|---------------------|----------------------|---------------------------|--------------|
| Nathan              | \$15                 | \$23                      | \$38         |
| Laura               | \$20                 | ?                         | \$36         |
| Michael             | \$18                 | \$21                      | \$39         |
| <b>Total amount</b> | <b>\$53</b>          | <b>\$60</b>               | <b>\$113</b> |

How much did Laura spend on transport?

- (1) \$16  
 (2) \$19  
 (3) \$24  
 (4) \$37
11. The perimeter of the rectangle below is 40 cm. Its breadth is 5 cm.



What is the length of the rectangle?

- (1) 8 cm  
 (2) 15 cm  
 (3) 30 cm  
 (4) 35 cm

12. Jane had 1.8 m of string at first. Then, her friend gave her another 0.35 m of string. What is the total length of string that Jane has now?
- (1) 0.73 m
  - (2) 1.43 m
  - (3) 1.45 m
  - (4) 2.15 m
13. A container can hold 4 times as much water as a beaker. The container can hold 2.44 ℓ of water. How much water can the beaker and container hold altogether?
- (1) 0.61 ℓ
  - (2) 3.05 ℓ
  - (3) 9.76 ℓ
  - (4) 12.2 ℓ
14. The sum of two numbers is 3728. Their difference is 384. Find the greater number.
- (1) 1672
  - (2) 2056
  - (3) 2248
  - (4) 3344
15. Daniel and Adam ran a total distance of 10.8 km. Daniel ran 2.4 km more than Adam. How far did Adam run?
- (1) 4.2 km
  - (2) 6.6 km
  - (3) 8.4 km
  - (4) 13.2 km



Do not write  
in this space**Section B**

Questions 16 to 36 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(42 marks)

*All diagrams in this paper are not drawn to scale unless stated otherwise.*

16. Write the missing number in the number pattern below.

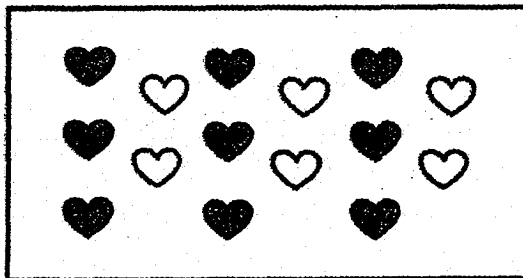
13 000 , 12 600 , 12 200 , 11 800 , \_\_\_\_\_ ? \_\_\_\_\_ , 11 000

Ans: \_\_\_\_\_

17. Some factors of 20 are 1, 2, 4 and 20. What are the other two factors of 20?

Ans: \_\_\_\_\_ and \_\_\_\_\_

18. What fraction of the hearts shown are shaded in grey?



Ans: \_\_\_\_\_

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in this space

19. Express  $\frac{4}{24}$  in its simplest form.

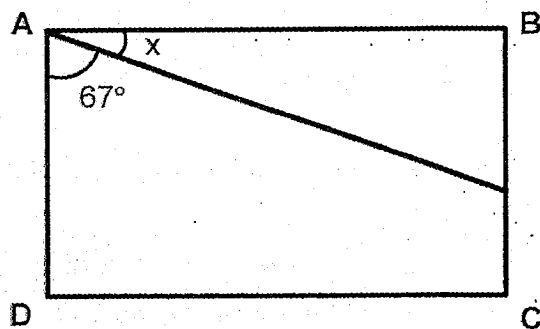
Ans: \_\_\_\_\_

20. Arrange the following fractions from the greatest to the smallest.

$$\frac{2}{3}, \frac{5}{6}, \frac{7}{12}$$

Ans: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(greatest) (smallest)

21. In the figure, ABCD is a rectangle. Find the value of  $\angle x$ .



Ans: \_\_\_\_\_ °

22. Write 5 thousandths as a decimal.

Ans: \_\_\_\_\_

23. Express 0.3 as a fraction.

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Ans: \_\_\_\_\_

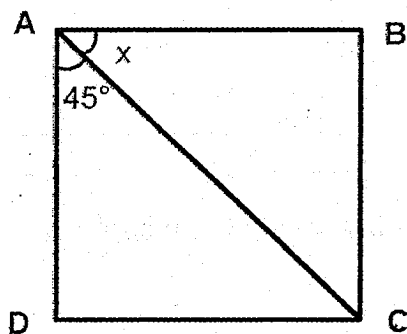
24. Round 23.5 to the nearest whole number.

Ans: \_\_\_\_\_

25. What is the smallest possible number that is divisible by 4 and 6?

Ans: \_\_\_\_\_

26. ABCD is a square. Find  $\angle x$ .



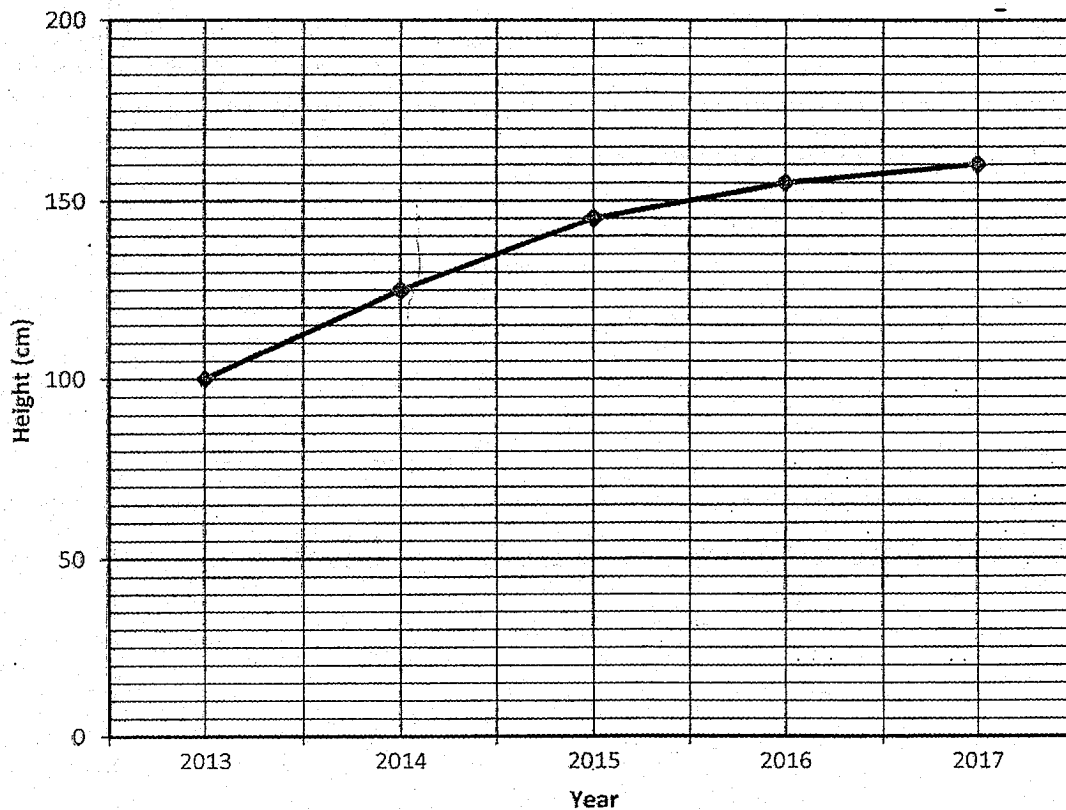
Ans: \_\_\_\_\_

Use the following information below to answer Questions 27 and 28.

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in this space

The graph shows Adrian's height from 2013 to 2017.

**Adrian's height (cm) from 2013 to 2017**



27. What was Adrian's height in 2016?

Ans: \_\_\_\_\_ cm

28. In which one-year period did Adrian's height increase the most?

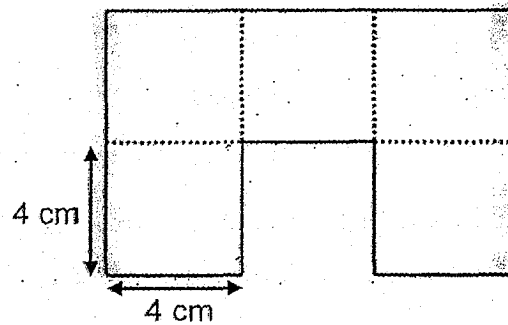
Ans: Between Year \_\_\_\_\_ and \_\_\_\_\_

29. Gillian had 4 m of ribbon at first. She used  $\frac{3}{4}$  m of ribbon to tie a present.  
How much ribbon did she have left?

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in this space

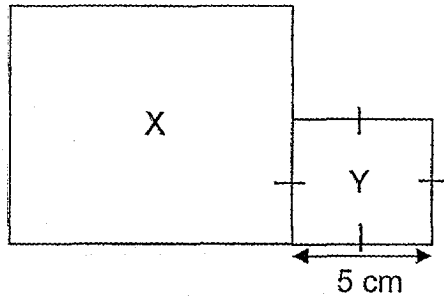
Ans: \_\_\_\_\_ m

30. The figure below is formed by five 4-cm squares. Find the perimeter of the figure.



Ans: \_\_\_\_\_ cm

31. The figure below is made up of rectangle X and square Y.  
 The length of square Y is 5 cm.  
 The area of rectangle X is five times the area of square Y.  
 What is the area of rectangle X?



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in this space

Ans: \_\_\_\_\_ cm<sup>2</sup>

32. Jamie had 6 kg of grapes. She packed them into 9 equal packs weighing 0.45 kg each. What was the mass of grapes that Jamie had left?

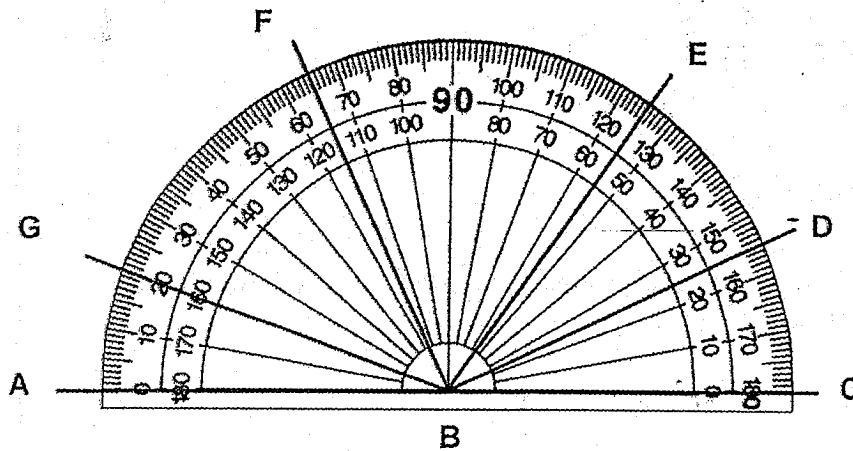
Ans: \_\_\_\_\_ kg

33. Sam started watching a movie at 11.35 p.m. The movie ended at 2.30 a.m.  
 How long was the movie?

Ans: \_\_\_\_ h \_\_\_\_ min

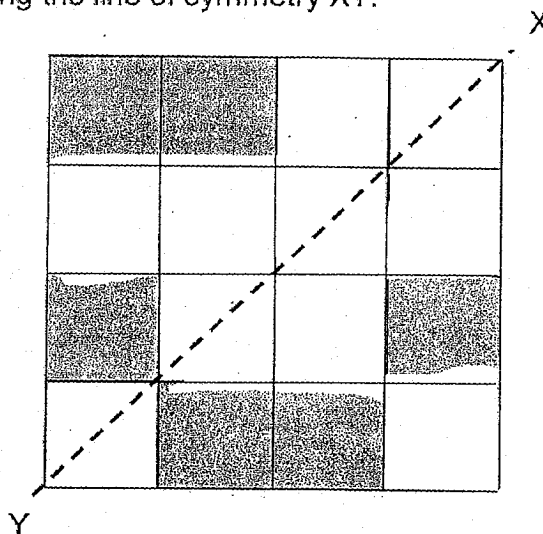
34. Name the angle that is equal to  $105^\circ$ .

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Ans:  $\angle$  \_\_\_\_\_

35. Shade **two** squares in the figure below to ensure that the figure is symmetrical along the line of symmetry XY.



36. A supermarket has a special offer for potato chips.



\$3.75 per packet

3 packets  
for \$8.40

Mr Chandran wants to buy 5 such packets of potato chips. What is the least amount of money he has to pay?

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in this space

Ans: \$ \_\_\_\_\_



**Section C**

For Questions 37 to 44, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets ( ) at the end of each question or part-question. For questions which require units, give your answers in the units stated.

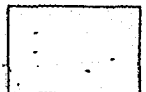
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**All diagrams in this paper are not drawn to scale unless stated otherwise.**

(28 marks)

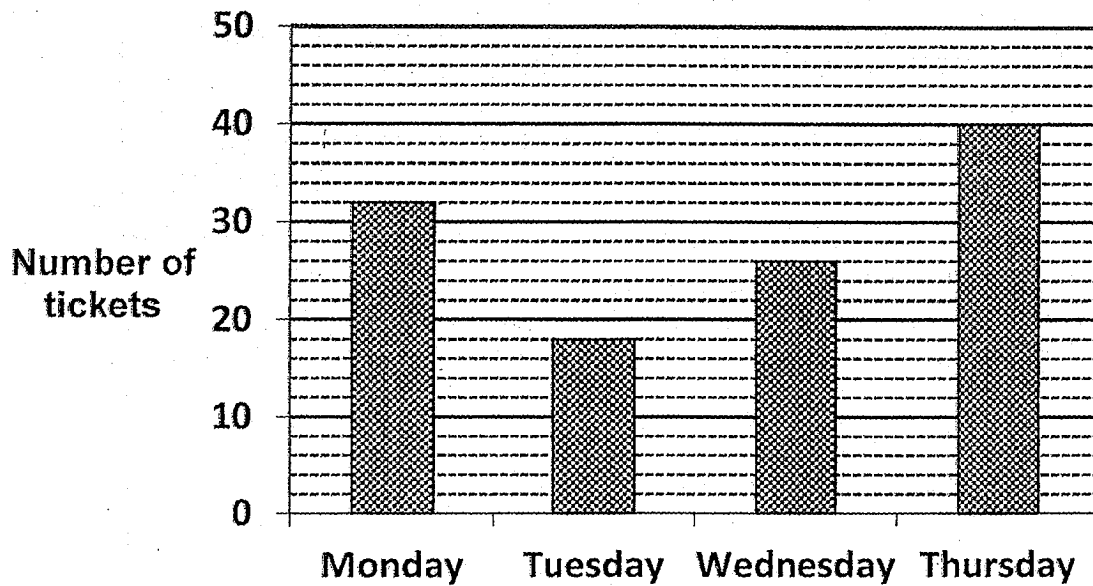
37. A computer cost twice as much as 1 printer.  
Mrs Ong bought 3 such computers and 3 such printers for \$3150.  
What is the cost of 1 computer?

Ans: \_\_\_\_\_ [3]



38. The bar graph below shows the number of museum tickets sold from Monday to Thursday.

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Each ticket cost \$8. How much money was collected from all the tickets sold from Monday to Thursday?

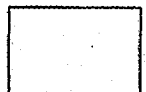
Ans: \_\_\_\_\_ [3]



39. A ruler and 3 similar pens cost \$9.00. 1 such ruler and 1 such pen cost \$4.00. What is the cost of 1 such ruler?

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in this space

Ans: \_\_\_\_\_ [3]



40. Edison sold 208 tickets during a carnival. Fahmy sold twice as many tickets as Edison. Dan sold 185 fewer tickets than Fahmy. How many tickets did the three pupils sell altogether?

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in this space

Ans: \_\_\_\_\_ [3]



41. Lynn paid \$86 for a total of 24 pens and staplers. Each pen cost \$3 and each stapler cost \$5. How many pens did she buy?

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in this space

Ans: \_\_\_\_\_ [4]

42. At a funfair,  $\frac{1}{3}$  of the people were men,  $\frac{2}{9}$  of the people were women and the rest were children.

(a) What fraction of the people were children?

(b) If there were 56 children at the funfair, how many people were at the funfair altogether?

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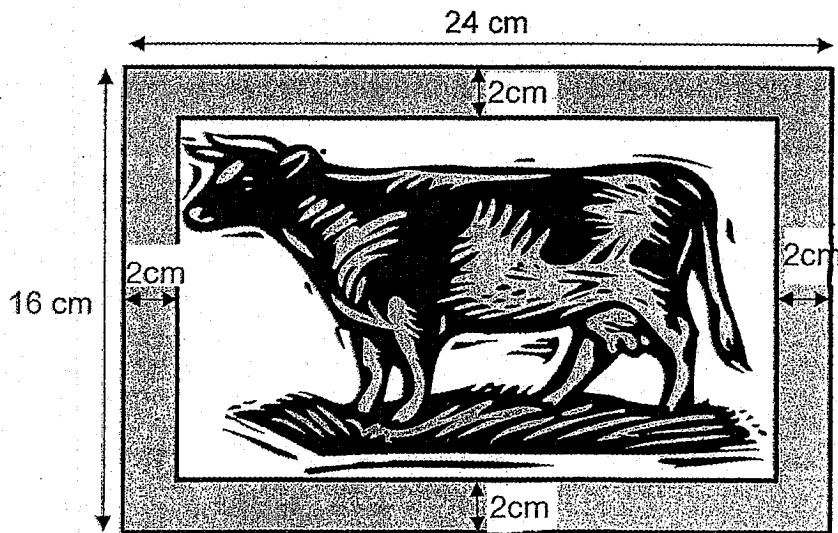
Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]



43. A picture frame measures 24 cm by 16 cm. There is a border of 2 cm around the picture. Find the area of the border.

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Ans: \_\_\_\_\_ [4]



44. Randy and Michelle had a total of \$240. After Michelle gave Randy \$51.20, Randy had 3 times as much money as Michelle. How much money did Randy have first?

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Ans: \_\_\_\_\_ [4]

**End of Paper**



EXAM PAPER 2017 (P4)

SCHOOL : ROSYTH

SUBJECT : MATHEMATICS

TERM : SA2

ORDER CALL :

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

16)11400      17)5 and 10      18)3/5      19)1/6      20)5/6, 2/3, 7/12

21)23°      22)0.005      23)3/10      24)24      25)12

26)45°      27)155cm      28)2013 and 2014      29)3¼m

30)48cm

31)Area of Y =  $5 \times 5 = 25\text{cm}^2$

Area of X =  $25 \times 5 = 125\text{cm}^2$

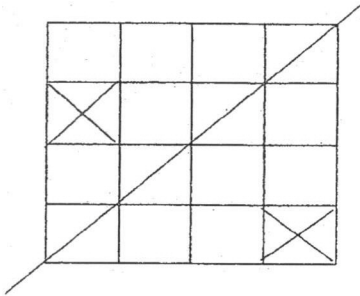
32)Packed =  $9 \times 0.45 = 4.05 \text{ kg}$

Left =  $6 - 4.05 = 1.95 \text{ kg}$

33)2 h 55 min

34)EBG

35)



36) combo 1 =  $3.75 \times 5 = \$8.75$

Combo 2 =  $8.40 + (3.75 \times 2)$

=  $8.40 + 7.50 = \$15.90$

37)  $9u = \$3150$

$1u = 3150 \div 9 = \$350$

$2u = 350 \times 2 = \$700$

The cost of 1 computer is \$700

38) No. of ticket sold =  $40 + 32 + 26 + 18 = 116$

Money collect =  $116 \times 8 = \$928$

\$928 was collected from all the tickets sold.

39)  $2 \text{ pens} = 9.4 = \$5$

$1 \text{ pen} = 5 \div 2 = \$2.50$

Ruler =  $4 - 2.5 = \$1.50$

The cost of 1 ruler is \$1.50

40)  $1u = 208$

$5u = 2 \times 208 = 1040$

Total =  $1040 - 185 = 855$

They sold 855 tickets altogether.

41) Assume all are staplers

$$\text{Total} = 24 \times 5 = \$120$$

$$\text{Extra} = 120 - 86 = \$34$$

$$\text{Diff} = 5 - 3 = \$2$$

$$\text{Opposite} = 34 \div 2 = 17$$

She bought 17 pens.

42)a)  $4u = 4/9$

$4/9$  of the people were children.

$$\text{b) } 4u = 56$$

$$1u = 56 \div 4 = 14$$

$$\text{Total} = 14 \times 9 = 126$$

There were 126 people altogether

43)  $L = 24 - 4 = 20\text{cm}$

$$B = 16 - 4 = 12$$

$$\text{Big} = 24 \times 16 = 384$$

$$\text{Small area} = 20 \times 12 = 240$$

$$\text{Area of border} = 384 - 240 = 144\text{cm}^2$$

44)  $4u = \$240$

$$1u = 240 \div 4 = \$60$$

$$\text{Extra} = 60 - 51.20 = \$8.80$$

$$\text{Randy at first} = (2 \times 60) + 8.80$$

$$= 120 + 8.80 = \$128.80$$

Randy had \$128.80 at first.