



RED SWASTIKA SCHOOL

# RED SWASTIKA SCHOOL

## 2015 SEMESTRAL ASSESSMENT 1

### MATHEMATICS PAPER 1

Name : \_\_\_\_\_ (     )

Class : Primary 5 / \_\_\_\_\_

Date : 11 May 2015

### BOOKLET A

15 Questions

20 Marks

Duration of Paper 1 (Booklets A & B): 50 minutes

**Note:**

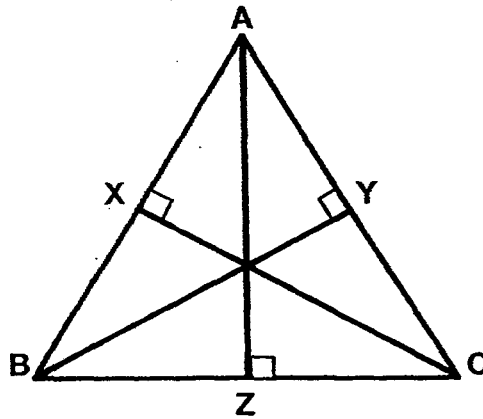
1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
  - (a) Page 1 to Page 5
  - (b) Questions 1 to 15
6. You are not allowed to use a calculator.

Questions 1 to 10 carry 1 mark each. Questions 11 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 the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. **(20 marks)**

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- 1 Six million, six hundred and six thousand and six written in numerals is \_\_\_\_\_.
- (1) 6 660 066
  - (2) 6 660 006
  - (3) 6 606 006
  - (4) 6 006 606
- 2 Find the value of  $22 \times 10\,000 + 8 \times 1000 + 44 \times 10$ .
- (1) 22 844
  - (2) 220 844
  - (3) 228 044
  - (4) 228 440
- 3 The product of two numbers is 1 440. If one of the numbers is 20, what is the other number?
- (1) 7.2
  - (2) 72
  - (3) 288
  - (4) 720
- 4 Find the value of  $(21 - 3) \div 3 \times 10$ .
- (1) 6
  - (2) 11
  - (3) 60
  - (4) 200

- 5 The figure below shows Triangle ABC. What is the base of Triangle ABC given that the height is XC?



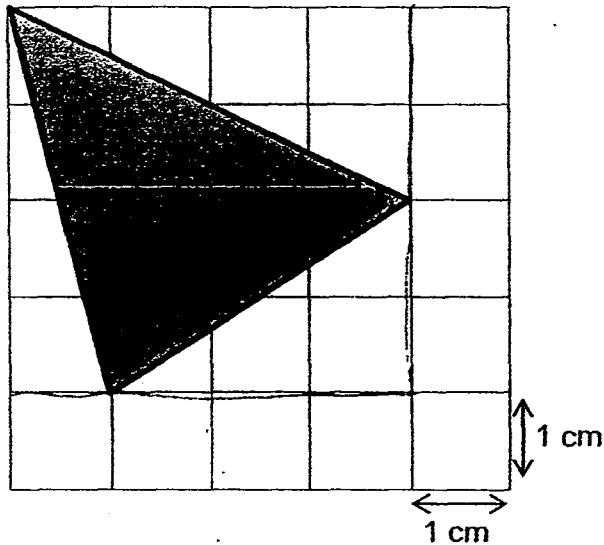
- (1) AB  
(2) AC  
(3) BC  
(4) BY
- 6  $\frac{3}{4} \div 6$  has the same value as \_\_\_\_\_.

- (1)  $\frac{4}{3} \times \frac{1}{6}$   
(2)  $\frac{3}{4} \times \frac{1}{6}$   
(3)  $6 \div \frac{3}{4}$   
(4)  $6 \times \frac{3}{4}$

- 7 What is the ratio of the number of letter 'N' to the number of letter 'B' to the number of letter 'A' in the word "BANANA"?

- (1) 1 : 2 : 3  
(2) 2 : 1 : 3  
(3) 3 : 2 : 1  
(4) 3 : 1 : 2

8 What is the area of the shaded triangle?



- (1)  $9 \text{ cm}^2$
- (2)  $8 \text{ cm}^2$
- (3)  $7 \text{ cm}^2$
- (4)  $6 \text{ cm}^2$

9 Bryan read 10 pages of a storybook on the 1<sup>st</sup> day after he bought it. Each day, he read 2 more pages than the previous day for the next 5 days. How many pages of the storybook did he read altogether for the 6 days?

- (1) 20
- (2) 60
- (3) 70
- (4) 90

10 Complete the following number pattern.

452 104, 463 104, 485 104, \_\_\_\_\_, 562 104

- (1) 496 104
- (2) 507 104
- (3) 518 104
- (4) 529 104

- 11 Eric jogged  $2\frac{1}{3}$  km. This was  $\frac{3}{4}$  km more than what James had jogged. Matthew jogged twice as much of the total distance jogged by Eric and James. What was the distance jogged by Matthew?

(1)  $1\frac{7}{12}$

(2)  $3\frac{11}{12}$

(3)  $7\frac{5}{6}$

(4)  $10\frac{5}{6}$

- 12 How many tenths must be added to 85.54 to get 86.64?

(1) 1

(2) 10

(3) 11

(4) 1.1

- 13 Dave bought 4 packets of chips at \$2.40 each and 3 cans of soft drink at 70 cents each. How much did he spend altogether?

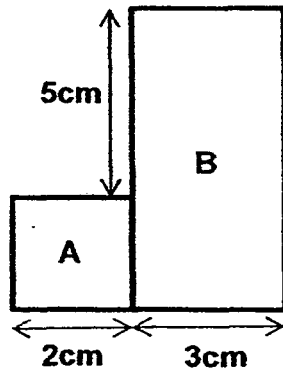
(1) \$ 11.70

(2) \$ 10.70

(3) \$ 9.60

(4) \$ 3.10

- 14 The figure shown is made up of Square A of side 2 cm and Rectangle B with breadth 3 cm. What is the length of the rectangle?



- (1) 5 cm  
(2) 7 cm  
(3) 8 cm  
(4) 10 cm
- 15 Which of the following figures has perpendicular lines?

(1) **S**

(2) **A**

(3) **Z**

(4) **F**



# RED SWASTIKA SCHOOL

## 2015 SEMESTRAL ASSESSMENT 1

### MATHEMATICS PAPER 1

Name : \_\_\_\_\_ (     )

Class : Primary 5 / \_\_\_\_\_

Date : 11 May 2015

### BOOKLET B

15 Questions  
20 Marks

In this booklet, you should have the following:

- (a) Page 6 to Page 10
- (b) Questions 16 to 30

#### MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		20
TOTAL		40

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

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

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16 Write 8 millions, 34 thousands, 5 hundreds and 27 ones in numerals.

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

---

17 Use all the digits below to form the smallest 7 digit odd number. You can only use each digit once.



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

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18 Find the value of  $20 - 40 \div 5 + 12 \times 4$ .

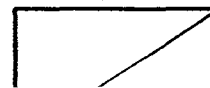
Ans: \_\_\_\_\_

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19 A number when divided by 7 gives a quotient of 58 and a remainder of 5. What is the number?

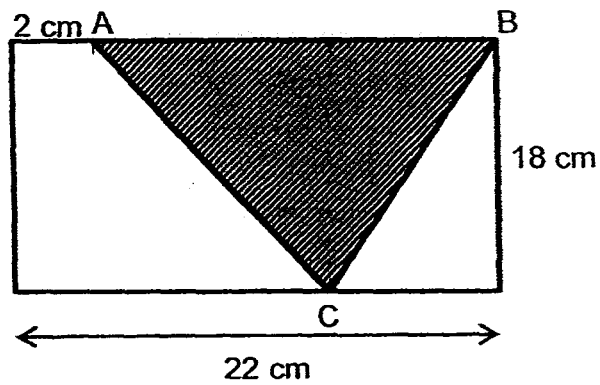
Ans: \_\_\_\_\_

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20 Find the area of Triangle ABC.



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

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21 Write  $\frac{13}{7}$  as a mixed number.

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

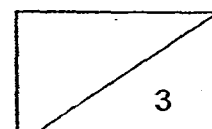
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22 Find the missing number in the box below.

$$18 : 27 = \square : 63$$

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

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- 23 For every 2 pears that Mr Han sold, he sold 3 oranges. He sold 105 oranges. How many pears did he sell?

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

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- 24 Find the missing number in the box below.

$$33 \times 60 = 33 \times \boxed{\phantom{00}} - 33 \times 20$$

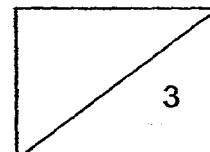
Ans: \_\_\_\_\_

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- 25 9 421 827 rounded off to the nearest thousand is \_\_\_\_\_.

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

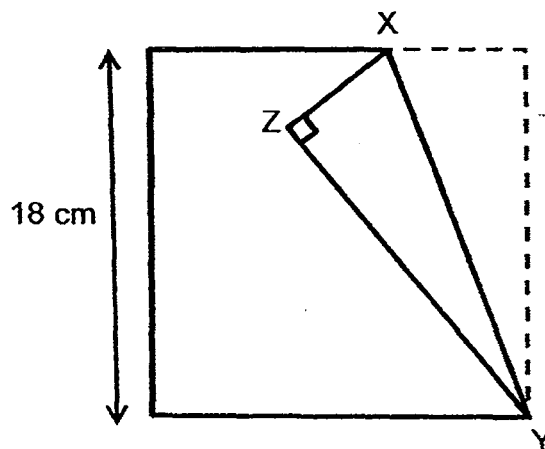
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Questions 26 to 30 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

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- 26 The figure below shows a piece of square paper folded at X such that XZ is  $\frac{1}{3}$  of its length. Find the area of Triangle XYZ.



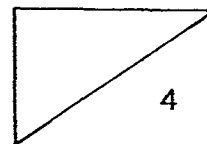
Ans: \_\_\_\_\_ cm<sup>2</sup>

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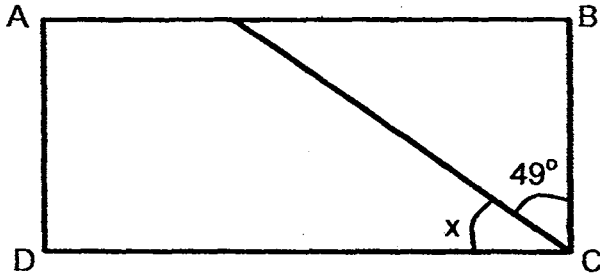
- 27 Round off the sum of 5.73 and 9.78 to the nearest whole number.

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

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- 28 In the figure below, ABCD is a rectangle. Find  $\angle x$ .

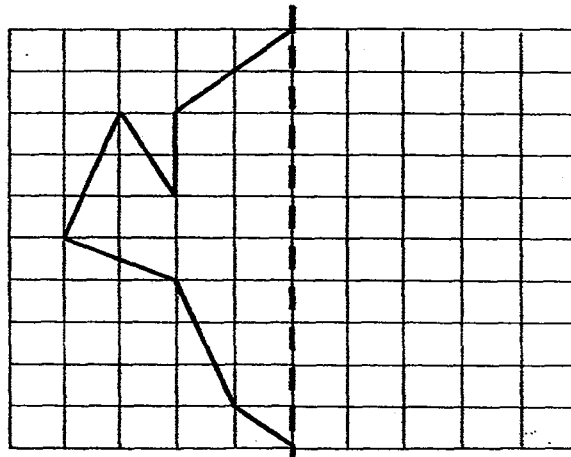


Ans: \_\_\_\_\_°

- 29 Kelvin took 1 h 45 min to polish a car. If he finished polishing the car at 12.35 p.m., at what time did he start polishing the car?  
(Give your answer in 24-hour clock.)

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

- 30 The figure below is half of a symmetric shape. Complete the symmetric shape with the dotted line as the line of symmetry.



END OF PAPER





RED SWASTIKA SCHOOL

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## 2015 SEMESTRAL ASSESSMENT 1

### MATHEMATICS

### PAPER 2

Name : \_\_\_\_\_ (     )

Class : Primary 5 / \_\_\_\_\_

Date : 11 May 2015

18 Questions

60 Marks

Duration of Paper 2: 1 hour 40 minutes

**Note:**

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
  - (a) Page 1 to Page 13
  - (b) Questions 1 to 18
6. You are allowed to use a calculator.

**MARKS**

	OBTAINED	POSSIBLE
PAPER 1		40
PAPER 2		60
TOTAL		100

Parent's Signature :

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.  
(10 marks)

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- 1 There were some children in a hall. The ratio of the number of boys to the number of girls was 3 : 2. Another 50 boys came into the hall and the ratio of the number of boys to the number of girl became 4 : 1. How many girls were there in the hall?

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

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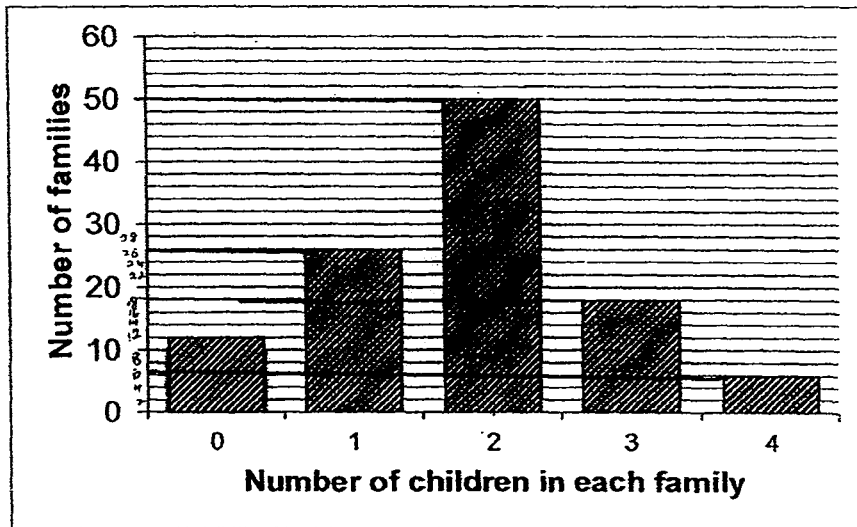
- 2 Mrs Ma bought  $\frac{4}{5}$  ℓ of pineapple syrup. She poured the pineapple syrup equally into 8 similar cups. Find the amount of pineapple syrup in 6 of the cups.

Ans: \_\_\_\_\_ ℓ

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some  
There are 50 families living in Goodville Estate. The bar graph below shows the number of children each family in that estate has. Study the graph carefully and use it to answer Questions 3 and 4.

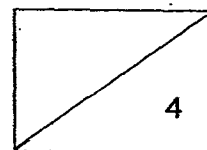


3 How many families have more than 2 children?

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

4 How many children are there in the Goodville Estate?

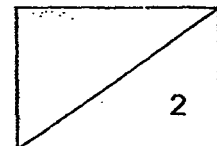
Ans: \_\_\_\_\_



- 5 A stamp album contained 150 pages filled with exactly 24 stamps on each page. The stamps were re-arranged to have 30 stamps on each page, what was the total number of pages that were empty?

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

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For Questions 6 to 18, show your working clearly in the space below 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. (50 marks)

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- 6 George and Terry saved \$480 altogether. George and Paul saved \$1 566 altogether. Paul saves 4 times as much as Terry. How much did George save?

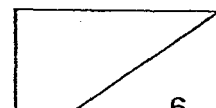
Ans: \_\_\_\_\_ [3]

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- 7 A number of students, between 30 to 50, participated in a School Carnival race. If the competitors get into groups of 6, the last group will have 2 students. If they get into groups of 8, the last group will have 4 students. How many students are there in the School Carnival race?

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

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- 8 Jude has twice as many marbles as Ted. Yati has 36 more marbles than Ted. The three of them have 516 marbles altogether. How many marbles does Yati have?

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

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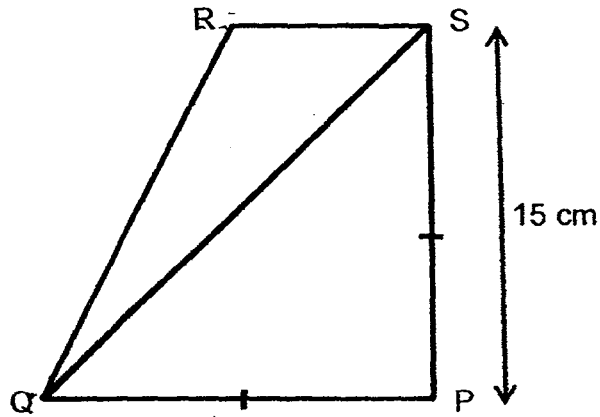
- 9 The mass of 3 identical bricks is  $\frac{7}{8}$  kg. Raymond used 10 of such bricks. What was the total mass of bricks used?  
(Give your answer as a mixed number in its simplest form.)

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

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- 10 In the figure below, not drawn to scale,  $PQ = PS$  and  $PS$  is twice the length of  $RS$ . Find the area of  $PQRS$ .



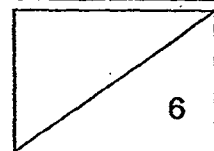
Ans: \_\_\_\_\_ [3]

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- 11 Lorraine and Evann share 252 stickers in the ratio 2 : 5. Evann has animal and princess stickers in the ratio of 4 : 14. How many more princess stickers than animal stickers does Evann have?

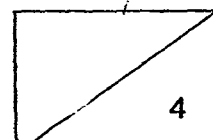
Ans: \_\_\_\_\_ [3]

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- 12 There was a stack of flyers for distribution. En Qi took  $\frac{1}{3}$  of the pile and left. The next day, Hannah took  $\frac{1}{3}$  of the remaining pile and left. Finally, Aziz came and took  $\frac{1}{3}$  of what remained and found out that there were 296 flyers left. How many flyers were there at first?

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

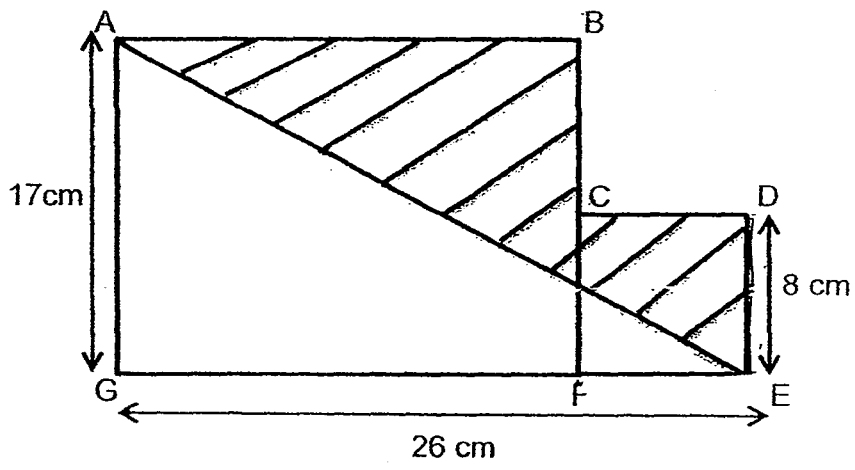


- 13 In a confectionery, the ratio of the number of chocolates to the number of lollipops made was 4 : 7. After another 586 chocolates and 76 lollipops were made, there was an equal number of chocolates and lollipops. How many lollipops were there in the end?

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



- 14 The figure below, not drawn to scale, is made up of rectangle ABFG and square CDEF. Find the total shaded area.



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



- 15 There were some ice cream sticks in 3 boxes A, B and C. Mike moved half of the ice cream sticks from box A to box B. Then he moved half of the ice cream sticks from box B to box C. As a result, box A had 24 ice cream sticks, box B had 52 ice cream sticks and box C had 78 ice cream sticks. Find the number of ice cream sticks in each of the boxes at first?

Ans : Box A : \_\_\_\_\_ [1]

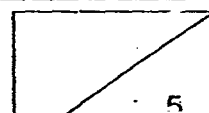
Box B : \_\_\_\_\_ [3]

Box C : \_\_\_\_\_ [1]



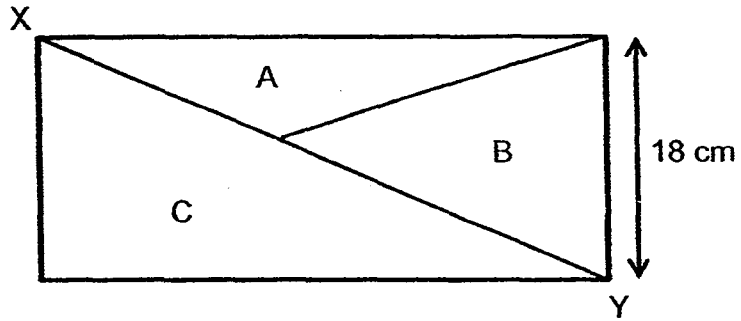
- 16 Andrew had 420 ml of orange juice. He gave  $\frac{5}{7}$  of it to May and  $\frac{1}{3}$  of the remainder to Lynn. How much orange juice had he left?

Ans: \_\_\_\_\_ [5]



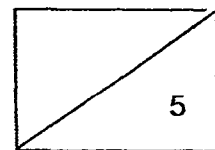


- 17 The figure below shows a rectangle that is divided into 3 parts, A, B and C.



Line XY divides the rectangle into 2 equal parts. The ratio of the area of part A to part B is 3 : 4. The area of part A is  $108 \text{ cm}^2$ . The breadth of the rectangle is 18 cm. What is the length of the rectangle?

Ans: \_\_\_\_\_ [5]



- 18 Aris, Lina and Susan were given some concert tickets to sell. Each ticket was sold at the same price. Aris sold  $\frac{1}{3}$  of the tickets. Lina sold  $\frac{1}{8}$  of the remaining tickets and Susan sold the rest of the tickets. Susan sold 30 tickets more than Aris. After all the tickets were sold, the 3 girls collected a total of \$1 500.

(a) How many tickets were sold altogether?

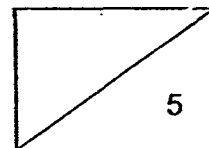
(b) What was the cost of each ticket?

Ans: (a) \_\_\_\_\_ [3]

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

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END OF PAPER 2



**EXAM PAPER 2015**  
**LEVEL : PRIMARY 5**  
**SCHOOL : RED SWASTIKA SCHOOL**  
**SUBJECT : MATHS**  
**TERM : SA1**

**PAPER 1 BOOKLET A**

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

**PAPER 1 - BOOKLET B**

Q16. ANS: 8034527

Q17. ANS: 1025687

Q18. ANS: 60

$$20 - 8 + 12 \times 4 = 20 - 8 + 48 = 12 + 48 = 60$$

Q19. ANS: 411

Q20. ANS: 180cm<sup>2</sup>

$$22 - 2 = 20, \frac{1}{2} \times 20 \times 18 = 180$$

Q21. ANS:  $1\frac{6}{7}$

$$\frac{13}{7} = 1\frac{6}{7}$$

Q22. ANS: 42

$$18 : 27 = 2 : 3 = 42 : 63$$

Q23. ANS: 70

$$105 \div 3 = 35, 35 \times 2 = 70$$

Q24. ANS: 80

$$60 + 20 = 80$$

Q25. ANS: 9422000

Q26. ANS: 54cm<sup>2</sup>

$$\text{Base of } \Delta XYZ \rightarrow 18 \div 3 = 6$$

$$\frac{1}{2} \times 6 \times 18 = 54$$

Q27. ANS: 16

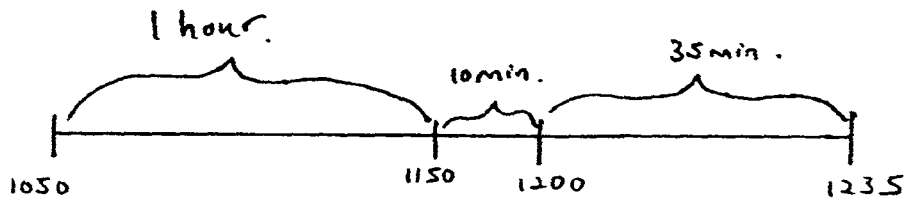
$$5.73 + 9.78 = 15.51$$

$$15.51 \approx 16$$

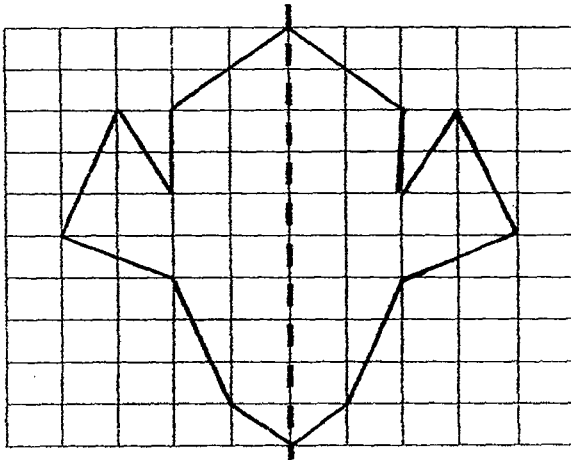
Q28. ANS: 41

$$90 - 49 = 41$$

Q29. ANS : 1050



Q30. ANS : SEE PICTURE



**PAPER 2**

Q1. ANS : 20

B : G

3 : 2

4 : 1 = 8 : 2

8 - 3 = 5

5U → 50

1U → 50 ÷ 5 = 10

2U → 10 × 2 = 20

Q2. ANS :  $\frac{3}{5}$

$$\frac{4}{5} \div 8 = \frac{1}{10}$$

$$\frac{1}{10} \times 6 = \frac{3}{5}$$

Q3. ANS : 204

$$10 + 6 = 24$$

Q4. ANS : 204

$$(1 \times 26) + (2 \times 50) + (3 \times 18) + (4 \times 6) = 204$$

Q5. ANS: 30

$$150 \times 24 = 3600$$

$$3600 \div 30 = 120$$

$$150 - 120 = 30$$

Q6. ANS: \$118

$$3 \text{ units} \rightarrow 1566 - 480 = 1086$$

$$1U \rightarrow 1086 \div 3 = 362$$

$$480 - 362 = 118$$

$$G + T \quad \boxed{4 \quad \quad}$$

480

$$G + P \quad \boxed{1 \quad | \quad | \quad |}$$

1566

Q7. ANS: 44

Multiple of  $6 + 2 \rightarrow 32, 38, (44), 50$

Multiple of  $8 + 4 \rightarrow 36, (44)$

Q8. ANS: 156

$$516 - 36 = 480$$

$$480 \div 4 = 120$$

$$120 + 36 = 156$$

Q9. ANS:  $2\frac{11}{12}$  kg

$$\frac{7}{8} \div 32 = \frac{7}{24}$$

$$\frac{7}{24} \times 10 = 2\frac{11}{12}$$

Q10. ANS:  $168.75\text{cm}^2$

$$15 \div 2 = 7.5$$

$$15 \times 15 = 225$$

$$\frac{1}{2} \times 7.5 \times 15 = 56.25$$

$$225 - 56.25 = 168.75$$

Q11. ANS : 100

L : E

2 : 5

$$2 + 5 = 7$$

$$7U \rightarrow 252 \div 7 = 36$$

$$5U \rightarrow 36 \times 5 = 180$$

$$4 + 14 = 18$$

$$18U \rightarrow 180$$

$$1U \rightarrow 180 \div 18 = 10$$

$$14 - 4 = 10$$

$$10 \times 10 = 100$$

Q12. ANS : 999

$$\frac{2}{3} \times \frac{2}{3} = \frac{4}{9}$$

$$\frac{2}{3} \times \frac{4}{9} = \frac{8}{27}$$

$$8U \rightarrow 296$$

$$1U \rightarrow 296 \div 8 = 37$$

$$27U \rightarrow 37 \times 27 = 999$$

Q13. ANS : 1266

C : L

4 : 7

$$3U \rightarrow 586 - 76 = 510$$

$$1U \rightarrow 510 \div 3 = 170$$

$$7U \rightarrow 170 \times 7 = 1190$$

$$1190 + 76 = 1266$$

Q14. ANS : 149cm<sup>2</sup>

$$GF \rightarrow 26 - 8 = 18$$

$$\text{Area of rectangle} = 18 \times 17 = 306$$

$$\text{Area of square} = 8 \times 8 = 64$$

$$\text{Total area} = 306 + 64 = 370$$

$$\text{Area of unshaded triangle} = \frac{1}{2} \times 26 \times 17 = 221$$

$$\text{Shaded part} = 370 - 221 = 149$$

Q15a. Box A : 48

BOX B : 80

BOX C : 26

$$A \rightarrow 24 \times 2 = 48$$

$$B \rightarrow 52 \times 2 = 100, 104 - 24 = 80$$

$$C \rightarrow 78 - 52 = 26$$

Q16. ANS : 80ml

$$1 - \frac{5}{7} = \frac{2}{7}$$

$$1 - \frac{1}{3} = \frac{2}{3}$$

$$\frac{2}{3} \times \frac{2}{7} = \frac{4}{21}$$

$$420 \div 21 = 20$$

$$20 \times 4 = 80$$

Q17. ANS : 28cm

$$3U \rightarrow 108$$

$$1U \rightarrow 108 \div 3 = 36$$

$$4U \rightarrow 36 \times 4 = 144$$

$$144 + 108 = 252$$

$$252 \times 2 = 504$$

$$504 \div 18 = 28$$

Q18a. ANS : 120

$$3U \rightarrow 30$$

$$1U \rightarrow 30 \div 3 = 10$$

$$12U \rightarrow 12 \times 10 = 120$$

Q18b. ANS : \$12.50

$$1500 \div 120 = 12.50$$

**THE END**

