RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2019 SEMESTRAL ASSESSMENT 1

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 14 May 2019

BOOKLET A

15 Questions
20 Marks
Duration of Paper 1 (Booklets A & B): 1 hour

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.

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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 What is the value of the digit 8 in 780 456?

(1) 8
(2) 80
(3) 8000
(4) 80 000

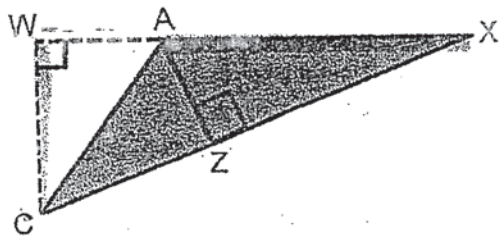
2 What is six million, eighty thousand and forty in numerals?

(1) 6 018 014
(2) 6 018 040
(3) 6 080 040
(4) 6 800 040

3 Find the value of $25 + 2 \times 8 - 4 \times 2$.

(1) 25
(2) 33
(3) 208
(4) 256

4 In the figure below, if AX is the base of triangle ACX, which line is its related height?



(1) AZ
(2) WC
(3) AW
(4) XC

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5 Express $\frac{20}{3}$ as a decimal rounded off to 1 decimal place.

(1) 0.2
(2) 6.2
(3) 6.6
(4) 6.7

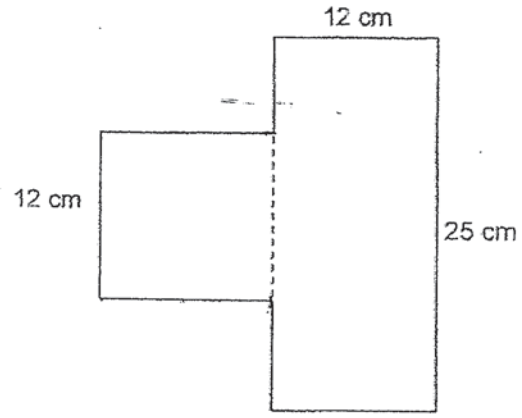
6 15 : 6 = _____ : 4

(1) 5
(2) 10
(3) 11
(4) 13

7 50.02 + 5.2 = _____

(1) 50.54
(2) 55.22
(3) 102.02
(4) 505.4

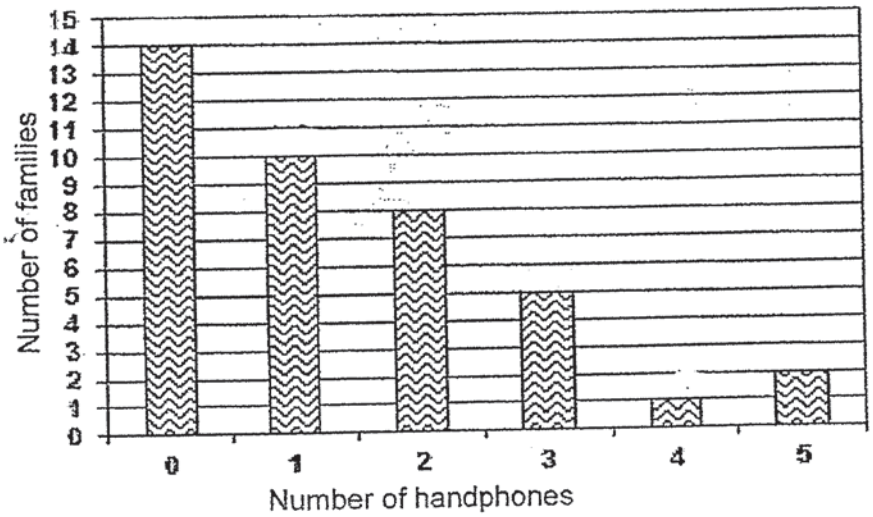
8 The figure below shows a square and a rectangle. Find the perimeter of the figure.



(1) 61 cm
(2) 85 cm
(3) 98 cm
(4) 444 cm

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9 The bar graph below shows the number of handphones some families had.



How many families had more than 3 handphones?

(1) 8
(2) 16
(3) 3
(4) 40

10 The first 12 numbers of a number pattern are given below.

3 , 2 , 1 , 4 , 3 , 2 , 1 , 4 , 3 , 2 , 1 , 4 , ...
1st 12th

What is the 20th number?

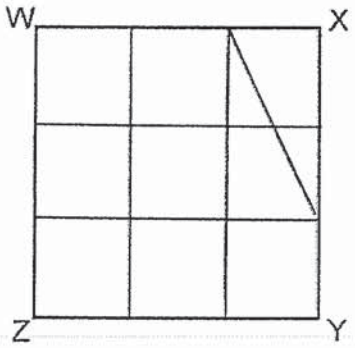
(1) 1
(2) 2
(3) 3
(4) 4

11 Which of the following is equal to 68 x 20 000?

(1) 60 + 8 x 20 000
(2) 60 x 20 000 + 8
(3) 10 000 + 10 000 x 68
(4) 70 x 20 000 – 2 x 20 000

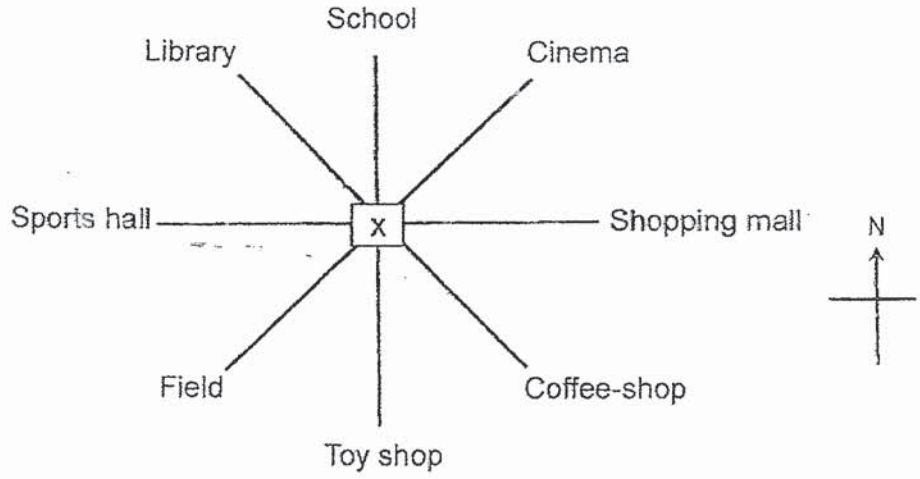
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12 Square WXYZ is made up of 5 identical squares, 2 identical triangles and a rectangle. The area of a triangle is 25 cm². Find the area of WXYZ.



(1) 50 cm²
(2) 225 cm²
(3) 625 cm²
(4) 5625 cm²

13 Amy stands at Point X and makes an anti-clockwise turn of 45°. She is now facing North-west. Which location was she facing at first?

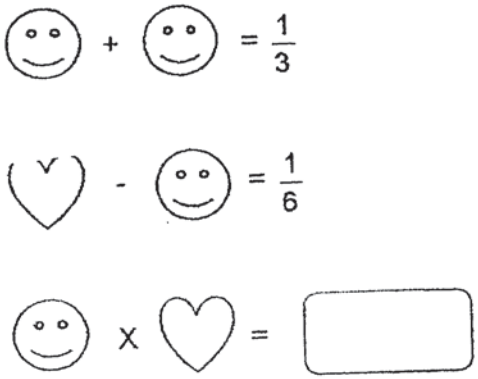


(1) School
(2) Library
(3) Sports hall
(4) Shopping mall

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14 Mrs Lee bought 12 packets of apples. Each packet contains 3 apples. She threw 6 rotten apples away. She then sold the remaining apples at 5 apples for $2. Which of the following expressions should she use to find how much he collected from selling the good apples?

(1) $(12 \times 3 - 6) \div 5 \times \$2$
(2) $(12 \times 3 - 6 \div 5) \times \$2$
(3) $12 \times 3 - 6 \div 5 \times \$2$
(4) $(12 \times 3 - 6) \div (5 \times \$2)$

15 

What is the missing fraction in the box?

(1) $\frac{1}{6}$
(2) $\frac{1}{12}$
(3) $\frac{1}{18}$
(4) $\frac{5}{16}$

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2019 SEMESTRAL ASSESSMENT 1

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 14 May 2019

BOOKLET B

15 Questions
25 Marks

In this booklet, you should have the following:
(a) Page 6 to Page 13
(b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		25
TOTAL		45

Parent's Signature : _____

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Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

16 What is the value of 345 x 12?

Ans: _____

17 Round off 909 501 to the nearest thousand.

Ans: _____

18 What is the missing value in the box?

4 255, 14 405, ☐, 34 705

Ans: _____

3

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19 Find the value of 34 x (12 - 3 x 3) ÷ 2.

Ans: _____

---

20 Luke has 36 toys in his toy box. The ratio of the number of toy cars to toy soldiers to toy planes is 2 : 4 : 3. How many toy soldiers does Luke have?

Ans: _____

2

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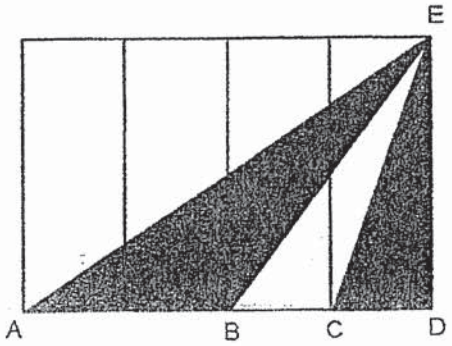
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Questions 21 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

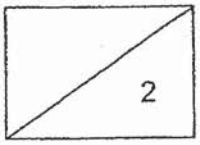
(20 marks)

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21 The figure below is made up of 4 identical rectangles. The area of Triangle ABE is 108cm^2. Find the area of Triangle CED.



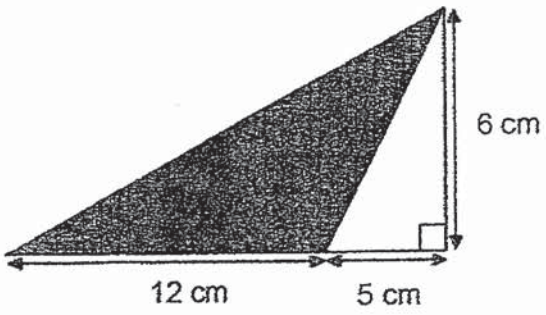
Ans: _____ cm^2



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22 Find the area of the shaded triangle.



Ans: _____ cm^2

23 $14 \div 3 =$ _____ - $\frac{1}{6}$

Ans: _____

4

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24 Arrange the following numbers from the smallest to the largest.

34.21 3.421 $3\frac{1}{50}$ $3\frac{1}{5}$

Ans: _____, _____, _____, _____

---

25 Sammy fills a tank with 8 bottles of water. Each bottle contained 1.5 ℓ of water. What is the capacity of 3 such tanks?

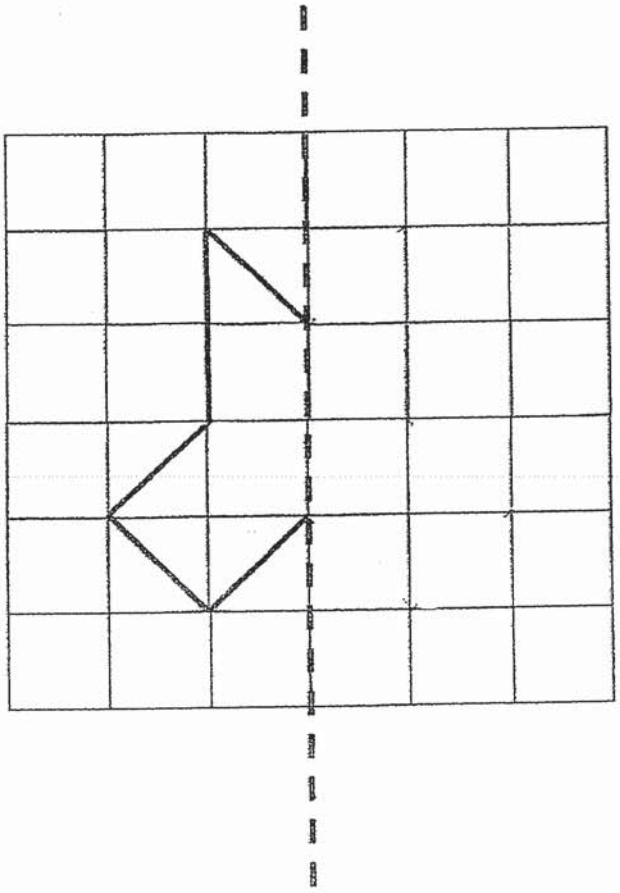
Ans: _____ ℓ

4

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26 Complete the figure using the dotted line as the line of symmetry.

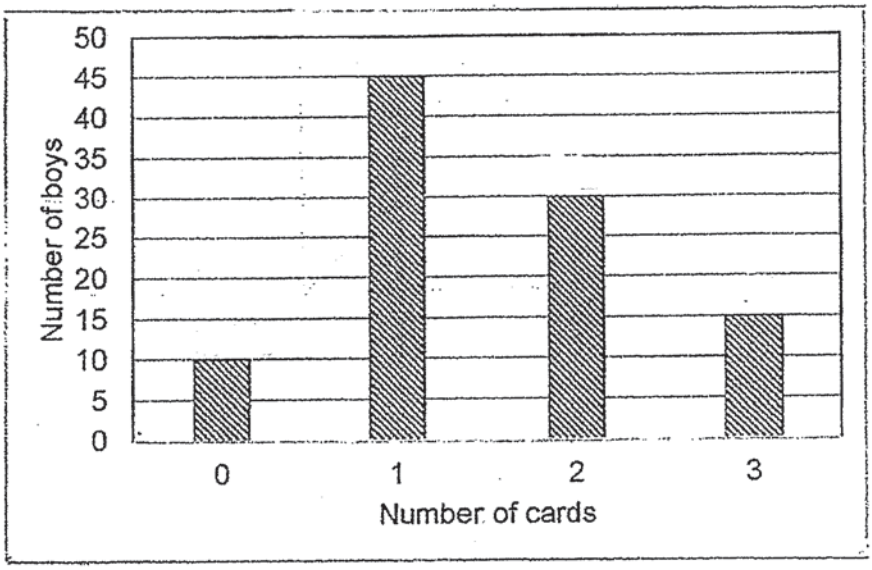


2

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27 A survey was conducted to find out how many cards some boys had. The bar graph below shows the results.



How many cards were there in total?

Ans: _____

---

28 Container X contains 4 times as many marbles as Container Z. Container Y contains half as many marbles as Container Z. How many marbles are there altogether if there are 49 more marbles in Container X than Container Y?

Ans: _____

4

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29 Tammy is 3 times as old as Jimmy now. Shaun is 4 years younger than Tammy. How old will Jimmy be in 3 years time if Shaun is 11 years old now?

Ans: _____

30 Mr Lim bought 3 hard disks and an ipad for $1540. An ipad costs $840 more than a hard disk. Find the cost of 2 hard disks.

Ans: $ _____

END OF PAPER

4

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2019 SEMESTRAL ASSESSMENT 1

MATHEMATICS
PAPER 2

Name : _____ ( )

Class : Primary 5 / _____

Date : 14 May 2019

17 Questions
55 Marks
Duration of Paper 2: 1 hour 30 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 12
   (b) Questions 1 to 17
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		45
PAPER 2		55
TOTAL		100

Parent's Signature : _____

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Questions 1 to 5 carry 2 marks each. Show your workings 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)

---

1 A bakery made some cookies. $\frac{3}{4}$ of them were sold on Monday. $\frac{1}{3}$ of the remaining were sold on Tuesday. What fraction of the cookies was sold on Tuesday?

Ans: _____

---

2 The population of Country X is 19 800. The ratio of the number of men to women is 4 : 5. Find the number of men in Country X.

Ans: _____

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3 An excursion to the zoo was arranged for 38 children. The signage below shows the price of the tickets.

Entrance ticket
Children: $19.50 per ticket

Children's' Day Special Deal
Buy 5 tickets, get 1 ticket free.

What was the least total amount of money the children had to pay to enter the zoo?

Ans: $_____

---

4 Peter left his house at 21 00 h. His journey by bus took 30 minutes to reach the interchange. His friend, Tom, was late for 20 minutes. After that, they took 15 minutes to walk to the cinema. The show started once they reached the cinema. The show ended at 00 00h. How long was the show? (Give your answer in hours and minutes.)

Ans: _____ h _____ min

4

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5 A shopkeeper had 10 boxes of the same number of chocolates at first. She sold 24 pieces of chocolates from each boxes. The total number of chocolates left in the 10 boxes was equal to the total number of chocolates in 4 of the boxes at first. How many pieces of chocolates did the shopkeeper have at first?

Ans: _____

2

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For Questions 6 to 17, show your workings 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. (45 marks)

---

6 Coach Lim bought 16 identical rackets while Coach Huang bought 10 identical rackets. On top of that, Coach Huang bought some tubes of shuttlecocks for $39.60. Coach Lim spent $235.80 more than Coach Huang. How much does a racket cost?

Ans: _____ [3]

---

7 A factory manufactured 3366 cups, plates and spoons. It manufactured 4 times as many cups as plates. The factory also manufactured 216 more spoons than plates. How many spoons were manufactured?

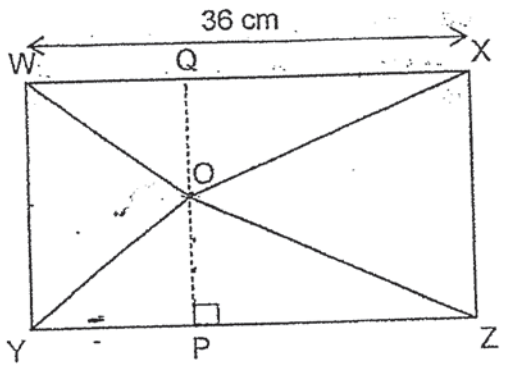
Ans: _____ [3]

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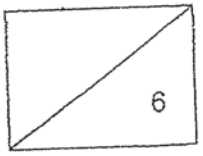
8 The rectangle below is made up of 4 triangles and PQ is a straight line. The area of triangle WOY is 100 cm^2 and the area of triangle XOZ is twice that of triangle WOY. Given that Line OQ is 7cm, find the area of YOZ.



Ans: _____ [3]

9 Kim gave $\frac{1}{3}$ of her savings to her mother. She then bought some dresses for $177 and spent $129 on a pair of earrings. After that, she found that the amount of money left was $\frac{1}{2}$ of what she gave her mother. How much was her savings?

Ans: _____ [3]



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10 Ann and Bailey had a total of 680 dolls. After Ann bought 20 more dolls, the ratio of the number of dolls Ann had to Bailey was 3 : 1.
How many dolls did Ann have at first?

Ans: _____ [3]

11 Mr Lim has 3 children, Abby, Ben and Cindy. He gave them $\frac{2}{5}$ of his savings in the ratio of 2 : 3 : 5. Ben received $440 less money than Cindy. How much was Mr Lim's savings at first?

Ans: _____ [4]

7

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12 A fruit stall sells apples, oranges and pears. The ratio of the number of pears to the total number of fruits is 2 : 5. There are 300 apples and 180 oranges.

(a) Find the number of pears at the stall.

(b) Pears are sold at 4 for $1. Apples are sold at 10 for $2. Oranges are sold at 6 for $1.50. How much money could be collected from the sale of all the fruits at the stall?

Ans: (a) _____ [3]

(b) _____ [2]

5

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13 A transport company has 340 vehicles consisting of tricycles with 3 wheels and bicycles with 2 wheels. There are 820 wheels altogether.

(a) How many bicycles are there?

(b) He sold the bicycles at $85 each and the tricycles at $45 each. How much did he get altogether?

Ans: (a) _____ [2]

(b) _____ [1]

3

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14 Mr Ahmad bought some gold rings and bracelets. A bracelet costs $450 more than a gold ring. His money was just enough for him to buy 7 rings and 2 bracelets. In the end, he bought 2 rings and 3 bracelets. He then had $1550 left.

(a) How much was a gold ring?

(b) How much was a bracelet?

Ans: (a) _____ [3]

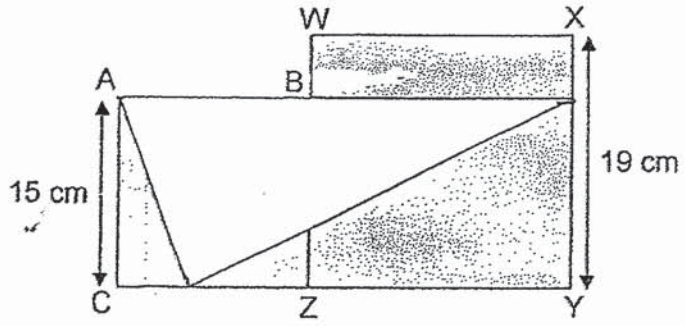
(b) _____ [2]

5

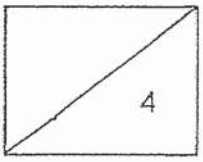
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15 The figure below is made up of 2 squares and a triangle. Find the shaded area.



Ans: _____ [4]



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16 There was an equal number of girls and boys in the hall at first. After 160 girls and 500 boys left the hall, there were three times as many girls as boys who remained in the hall.

(a) What fraction of the children who remained in the hall were girls?

(b) How many boys and girls were there in the hall altogether at first?

Ans: (a) _____ [1]

(b) _____ [3]

4

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17 John had some stamps. He gave $\frac{1}{4}$ of his stamps to Sally and 10 stamps to Kate. He then gave $\frac{1}{2}$ of the remaining stamps to Joy and 5 stamps to Daisy. He had 50 stamps left.

(a) How many stamps did Joy receive?

(b) How many stamps did Sally receive?

(c) How many stamps did John have at first?

Ans: (a) _____ [1]

(b) _____ [2]

(c) _____ [2]

END OF PAPER

5

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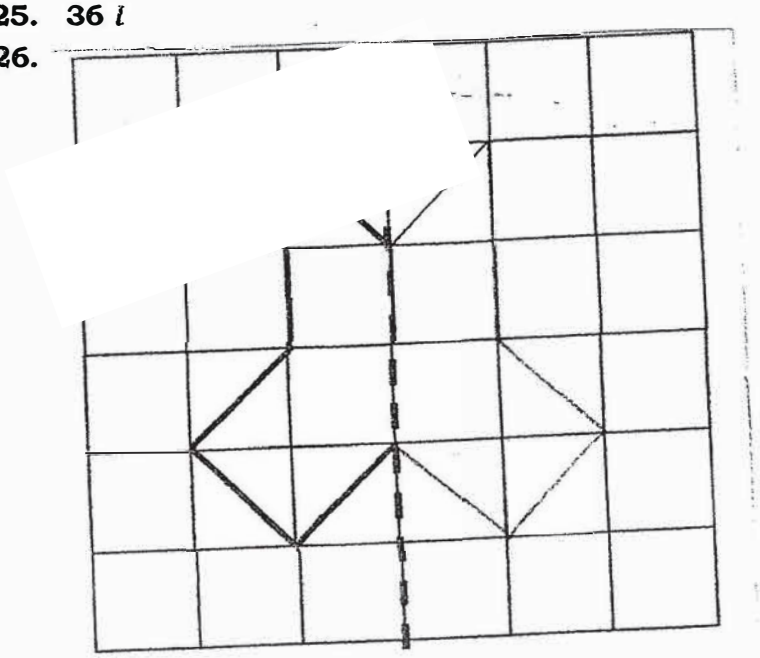
YEAR	:	**2019**
LEVEL	:	**PRIMARY 5**
SCHOOL	:	**RED SWASTIKA SCHOOL**
SUBJECT	:	**MATHEMATICS**
TERM	:	**SEMESTRAL ASSESSMENT 1**

PAPER 1
BOOKLET A

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

BOOKLET B

Q16. 4140
Q17. 910 000
Q18. 24 555
Q19. 51
Q20. 16
Q21. $54cm^2$
Q22. $36cm^2$
Q23. $4\frac{5}{6}$
Q24. $3\frac{1}{50}$, $3\frac{1}{5}$, 3.421, 34.21
Q25. 36 l
Q26.



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Q27. 150
Q28. 77
Q29. 8
Q30 $350

PAPER 2

Q1. $\frac{4}{4} - \frac{3}{4} = \frac{1}{4}$

$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$

Ans: $\frac{1}{12}$

Q2.

men	:	women
4	:	5

9U = 19800

1U = 2200

men = 2200 X 4 = 8800

Ans: 8800

Q3. 6 tickets = 19.5 X 5 = $97.80

(5 + 1)

38 ÷ 6 = 6R2

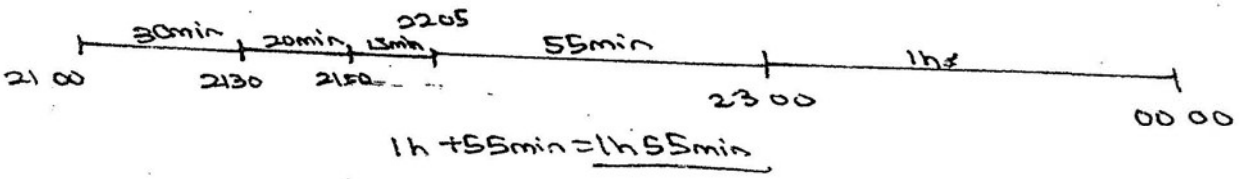
97.50 X 6 = $585

19.50 X 2 = $39

$585 + $39 = $624

Ans: $624

Q4.



1h + 55min = 1h 55min

Ans: 1 h 55 min

Q5. All boxes sold = 24 X 10 = 240

6 boxes = 240

1 box = 40

10 boxes = 40 X 10 = 400

Ans: 400

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Q6. 16 – 10 = 6

6u = $235.80 + $39.60 = $275.40

1u = $275.40 ÷ 6 = $45.90

Ans: $45.90

Q7. 6u = 3366 – 216 = 3150

1u = 525

Spoons = 525 + 216 = 741

Ans: 741 spoons

Q8. 100 X 2 = 200

200 + 100 = 300

$\frac{1}{2}$ X 36 X 7 = 126

300 – 126 = 174

Ans: $174cm^2$

Q9. Fraction of savings left = $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

Fraction of savings spent= $1 - (\frac{1}{3} + \frac{1}{6}) = \frac{1}{2}$

$\frac{1}{2}$ of savings = $177 + $129 = $306

Savings = $306 X 2 = $612

Ans: $612

Q10. 3u + 1u = 4u

4u = 680 + 20 = 700

1u = 175

3u = 175 X 3 = 525

525 – 20 = 505

Ans: 505 dolls

Q11.

Abby	:	Ben	:	Cindy
	:	3	:	5

5u – 3u = 2u

2u = $440

1u = $220

5u + 3u + 2u = 10u

10u ÷ 2 = 5u

5 X 5u = 25u

25u = $220 X 20 = $5500

Ans: $5500

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Q12.

Pear	:	All fruits
2	:	5

a) 5u – 2u = 3u
3u = 300 + 180 = 480
1u = 360
2u = 160 X 2 = 320

b) (320 ÷ 4 X $1) + (300 ÷ 10 X $2) + (180 ÷ 6 X $1.50)
= $80 + $60 + $45
= $185

Ans: a) 320 pears
b) $185

Q13. a) 340 X 3 = 1020
1020 – 820 = 200
3 – 2 = 1
200 ÷ 1 = 200

b) (140 X 45) + (200 X 85)
= $23300

Ans: a) 200 bicycles
b) $23300

Q14. a) Let the cost of 1 gold ring be 1u,
5u + $1550 + ($450 X 3) = 5u + $2900
9u – 5u = $2900 – $900
4u = $2000
1u = $2000 ÷ 4 = $500

b) $500 + $450 = $950

Ans: a) $500
b) $950

Q15. Total area of figure = (15 X 15) + (19 X 19) = 585
Area of triangle = $\frac{1}{2}$ X 34 X 15 = 255
Shaded area = 586 – 255 = 331cm²

Ans: 331cm²

Q16. a) $\frac{3}{4}$

b) Let the number of boys left be 1u,
2u = 500 – 160 = 340
1u = 340 ÷ 2 = 170
No. of girls = (4 X 170) + 160 = 670
No. of boys = 170 + 500 = 670
Total no. of boys and girls = 670 + 670 = 1340

Ans: a) $\frac{3}{4}$
b) 1340

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Q17. a) $50 + 5 = 55$

b) $55 \times 2 = 110$

$110 + 10 = 120$

$120 \div 3 = 40$

c) $40 \times 4 = 160$

Ans: a) 55 stamps

b) 40 stamps

c) 160 stamps

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