METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

END-OF-YEAR EXAMINATION 2020
PRIMARY 5
MATHEMATICS

PAPER 1
BOOKLET A

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Shade your answers in the Optical Answer Sheet (OAS) provided.
The use of calculators is **NOT** allowed.

Name: _____ ( )

Class: Primary 5._____

Date: 29 October 2020

/20

This booklet consists of 7 printed pages including this page.

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)

---

1 Round 874 532 to the nearest thousand.

(1) 870 000
(2) 874 000
(3) 875 000
(4) 880 000

2 Express $2\frac{3}{25}$ as a decimal.

(1) 2.03
(2) 2.12
(3) 2.325
(4) 2.6

3 $32 \times 300 = \square$

(1) 96
(2) 960
(3) 9600
(4) 96 000

(Go on to the next page)

4 Express 1070 cm in metres.

(1) 1.7 m
(2) 1.07 m
(3) 10.7 m
(4) 10.07 m

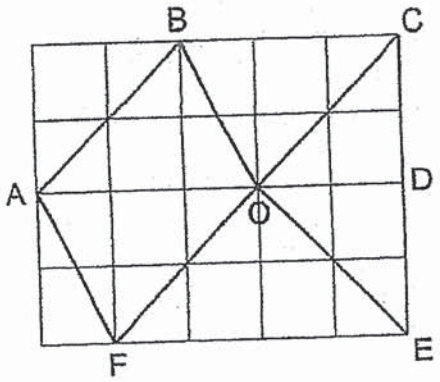
5 Find the value of $\frac{1}{3} + \frac{4}{7}$.

(1) $\frac{4}{21}$
(2) $\frac{5}{10}$
(3) $\frac{3}{4}$
(4) $\frac{19}{21}$

6 Find the value of $32 \div 18 \times 2 - 48 \div 4$.

(1) 5
(2) 13
(3) 56
(4) 88

7 Name the line that is perpendicular to CF.



(1) OE
(2) CE
(3) AB
(4) OB

8 There are 28 blue marbles and 32 red marbles in a jar. What is the ratio of the number of blue marbles to the number of red marbles in its simplest form?

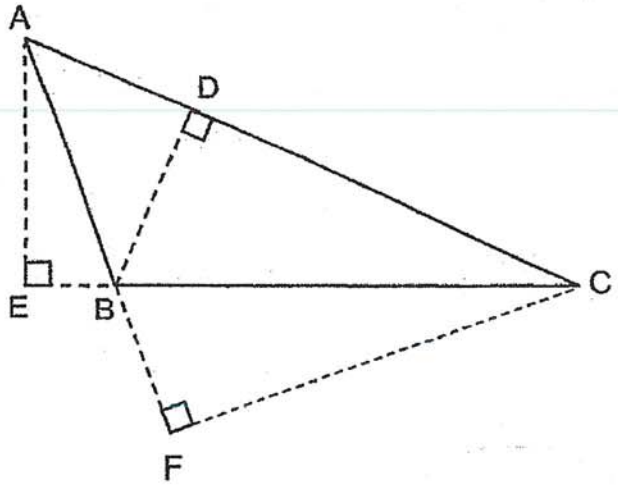
(1) 7 : 8
(2) 8 : 7
(3) 7 : 15
(4) 28 : 32

9 A photocopy machine can print 800 pages in 1 minute. At this rate, how many pages can it print in 1 hour?

(1) 4800
(2) 8000
(3) 48 000
(4) 80 000

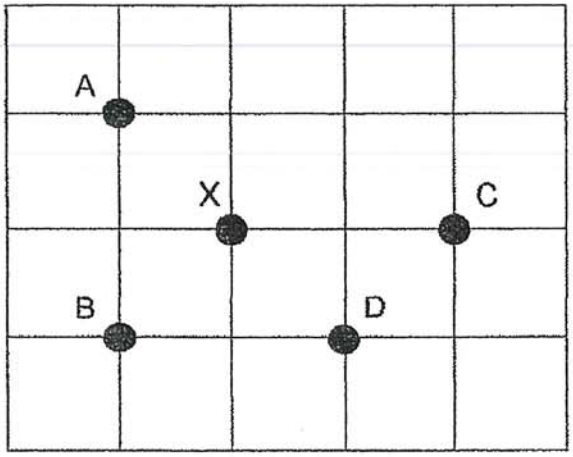
(Go on to the next page)

10 AC is the base of Triangle ABC. Which of the following is its height?



(1) AE
(2) BC
(3) CF
(4) BD

11 Mei Ling is standing at point X and facing east.
She turns 135° anti-clockwise. Which point will she be facing?



(1) A
(2) B
(3) C
(4) D

(Go on to the next page)

12 Lindy bought 2 kg of sugar. She used $\frac{3}{8}$ of it to bake a cake. How much sugar did she use?

(1) $\frac{3}{16}$ kg

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

(3) $1\frac{1}{4}$ kg

(4) $1\frac{5}{8}$ kg

13 Cynthia bought 40 cupcakes. 12 are vanilla cupcakes and the rest are chocolate cupcakes. What percentage of the cupcakes are vanilla cupcakes?

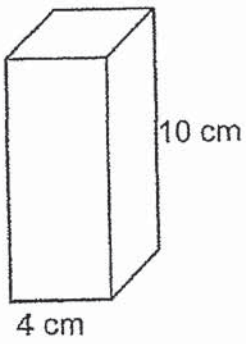
(1) 70%

(2) 56%

(3) 45%

(4) 30%

14 A solid cuboid of height 10 cm has a square base of side 4 cm. What is its volume?



(1) 40 cm^3

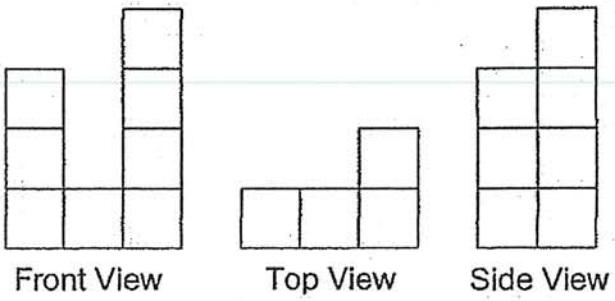
(2) 160 cm^3

(3) 240 cm^3

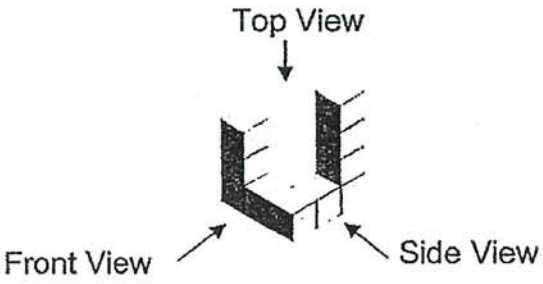
(4) 400 cm^3

(Go on to the next page)

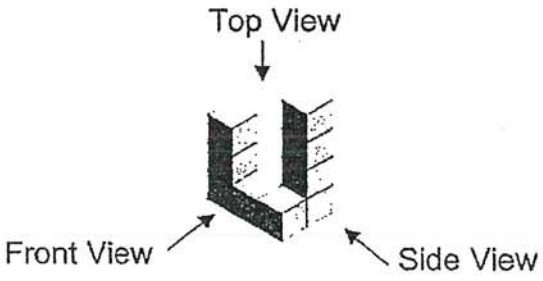
15 Netty made a model using unit cubes. She drew the front view, top view and side views of her model. Which one of the following could be Netty's model?



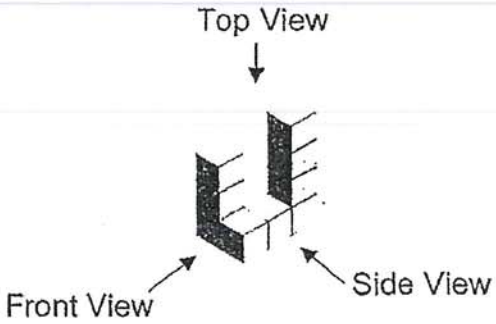
(1)



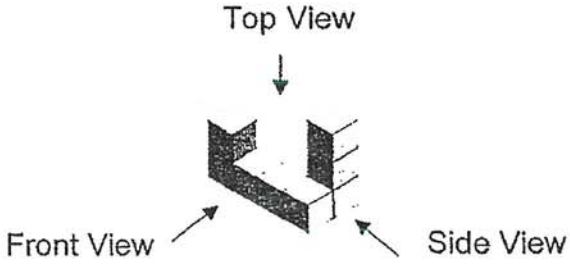
(2)



(3)



(4)



(Go on to Booklet B)

METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2020
PRIMARY 5
MATHEMATICS

PAPER 1
BOOKLET B

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet.
The use of calculators is **NOT** allowed.

Name: _____ ( )

Class: Primary 5._____

Date: 29 October 2020

Paper 1 Booklet A	**/ 20**
Paper 1 Booklet B	**/ 25**
Paper 2	**/ 55**
TOTAL	**/ 100**

Parent's Signature: _____

This booklet consists of 8 printed pages including this page.

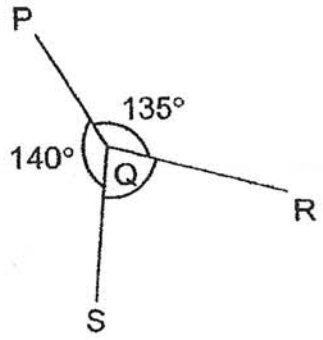
Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write in this space

16 Write one million, forty-eight thousand and twenty-nine in numerals.

Ans: _____

17 In the figure below, $\angle PQR = 135°$ and $\angle PQS = 140°$. Find $\angle RQS$.



Ans: _____ °

18 Find the value of $\frac{3}{2} \times \frac{5}{4}$.

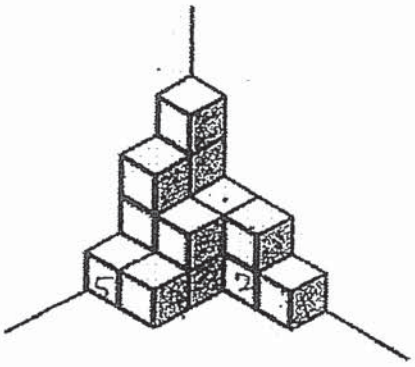
Express your answer as a mixed number in its simplest form.

Ans: _____

(Go on to the next page)

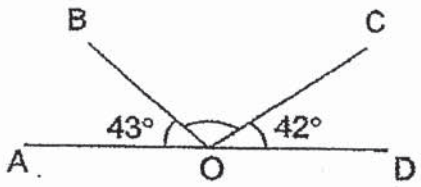
19 The solid below is built with 1-cm cubes. Find the volume of the solid.

Do not write in this space



Ans: _____ cm^3

20 In the figure below, AOD is a straight line. $\angle AOB = 43°$ and $\angle COD = 42°$. Find $\angle BOC$.



Ans: _____ °

(Go on to the next page)

Do not write in this space

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. **(20 marks)**

21 What is the missing number in the box?

$18 : 10 : 4 = 27 : \square : 6$

Ans: _____

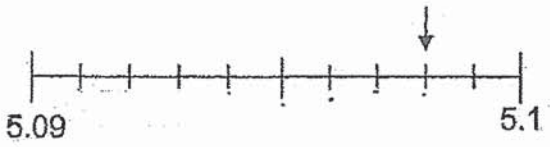
22 Mrs Chan deposited $12 000 in the bank for one year. The interest rate is 1% per year. How much interest did Mrs Chan receive at the end of one year?

Ans: $ _____

(Go on to the next page)

Do not write in this space

23 Look at the number line below. What is the decimal indicated by the arrow?



Ans: _____

24 Find the value of 24.81 ÷ 30.

Ans: _____

25 The price of a bag is $20. Mrs Ong bought the bag and had to pay an additional 7% GST. What was the price of the bag including GST?

Ans: $ _____

(Go on to the next page)

Do not write in this space

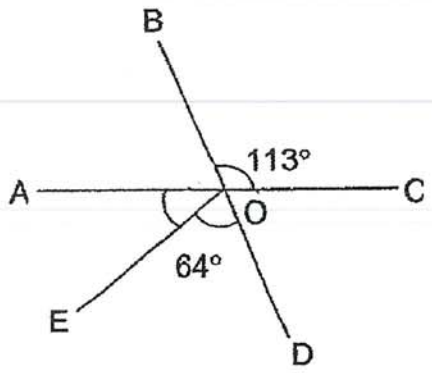
26 The table shows the number of books borrowed from January to May.

Month	January	February	March	April	May
Number of books borrowed	32	28	46	0	9

Find the average number of books borrowed from January to May.

Ans: _____

27 In figure below, AOC and BOD are straight lines. Find ∠AOE.

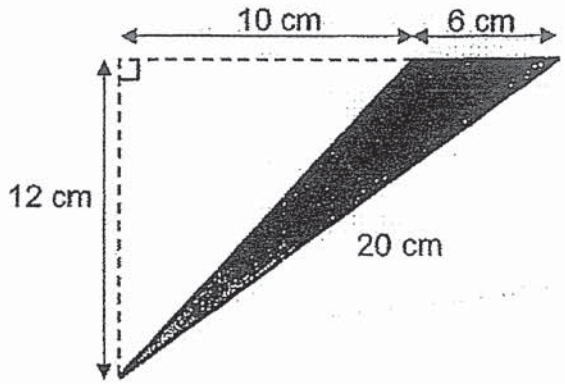


Ans: _____ °

(Go on to the next page)

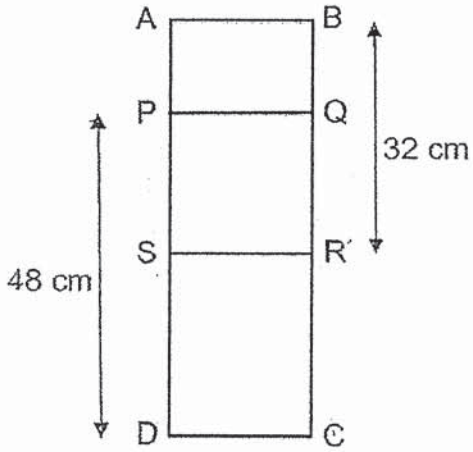
28 In the figure below, find the area of the shaded triangle.

Do not write in this space



Ans: _____ cm^2

29 The figure below is made up of a square PQRS and 2 rectangles ABQP and SRCD. BR = 32 cm and PD = 48 cm. Find the perimeter of rectangle ABCD.



Ans: _____ cm

(Go on to the next page)

30 Cathy worked 4 hours a day for 5 days at a restaurant. She was paid $8 per hour. How much was she paid for the 5 days of work?

Do not write in this space

Ans: $ _____

END OF PAPER

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

END-OF-YEAR EXAMINATION 2020
PRIMARY 5
MATHEMATICS

PAPER 2

Duration: 1h 30 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet.
The use of an approved calculator is expected, where appropriate.

Name: _____ ( )

Class: Primary 5._____

Date: 29 October 2020

/55

Parent's Signature: _____

This booklet consists of 14 printed pages including this page.

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

Do not write in this space

1 Roshan spent $\frac{1}{3}$ of his money. He had $2400 left.

How much did he spend?

Ans: $ _____

2 Mrs Tan bought 12 cupcakes. How much did she pay for the cupcakes?

Cupcakes for sale

 $3.50 each

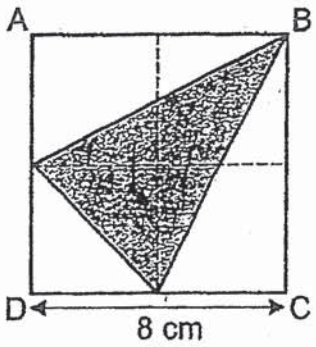
Get $3 discount when you buy 6 cupcakes.

Ans: $ _____

(Go on to the next page)

Do not write in this space

3 The square ABCD is made up of 4 smaller squares.
What fraction of the square ABCD is shaded?



Ans: _____

4 Felicia folded 350 paper stars. $\frac{1}{5}$ of the stars are red, $\frac{5}{8}$ of the remaining stars are blue and the rest are white. How many blue stars did she fold?

Ans: _____

5 The ratio of the number of boys to the number of girls to the number of teachers in a school is 3 : 4 : 1.

Each statement below is either true, false, or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
(a) There are 4 times as many girls as teachers.			
(b) Half of the people in the school are female.			

Do not write in this space

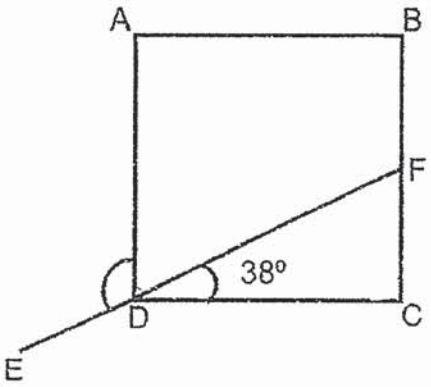
For questions **6** to **17**, show your working clearly and write your answers in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (45 marks)

Do not write in this space

6 Joelle is 11 years old and her mother is 39 years old.
How old was Joelle when her mother was 5 times as old as her?

Ans: _____ [3]

7 In the figure below, ABCD is a square and EDF is a straight line.
$\angle CDF = 38^\circ$. Find $\angle ADE$.



Ans: _____ [3]

(Go on to the next page)

8 Mrs Gomez bought 9 kg of flour to prepare for a baking class. Each of her 25 students used the same amount of flour. There was 250 g of flour left. How much flour did each of her students use? Give your answer in kilograms.

Do not write in this space

Ans: _____ [3]

9 Hannah, Ivy and Jenny shared a box of cookies in the ratio 3 : 7 : 2. Jenny received 25 cookies fewer than Ivy. How many cookies were there altogether?

Ans: _____ [3]

(Go on to the next page)

10 The picture below shows the ~~menu at~~ a pizza ~~shop.~~

Do not write in this space

Size of pizza	Price
$\frac{1}{8}$ of pizza 	$4 per slice
$\frac{1}{4}$ of pizza 	$7 per slice
$\frac{1}{2}$ of pizza 	$12 per slice
Whole pizza 	$20

Mrs Leong wants to give $\frac{1}{8}$ of a pizza to each of her 35 students.

What is the least amount of money that she has to pay?

Ans: _____ [3]

(Go on to the next page)

11 The table below shows the taxi charges in Singapore.

Do not write in this space

First 1 km or less	$3.20
Every additional 500 m or part thereof	$0.25

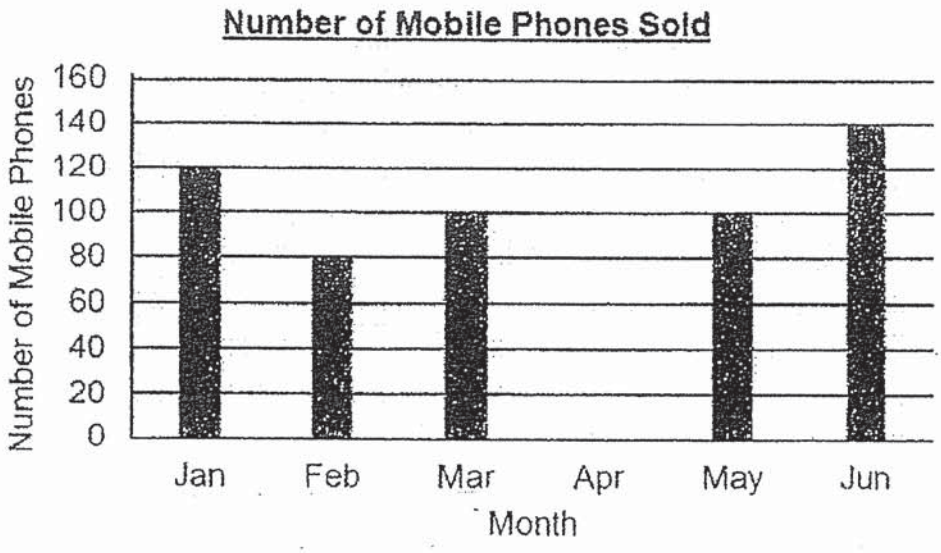
Gopal paid $19.70 for his journey. Find the greatest possible distance that he travelled. Give your answer in kilometres.

Ans: _____ [4]

(Go on to the next page)

12 The bar graph below shows the number of mobile phones sold from January to June at a shop. The bar for the month of April has not been drawn.

Do not write in this space



(a) $\frac{1}{4}$ of the mobile phones sold in June were Brand X. How many Brand X mobile phones were sold in June?

(b) The average number of mobile phones sold from January to June was 115. How many mobile phones were sold in April?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

13 The average mass of 10 packets of coffee is 2.6 kg. Two packets of coffee with masses 1.2 kg and 800 g are sold.

Do not write in this space

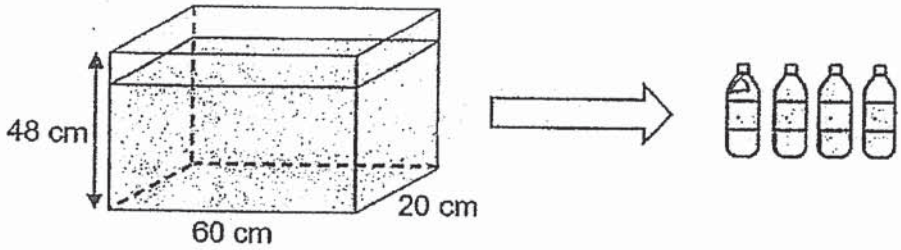
(a) Find the total mass of the 10 packets of coffee.

(b) Find the average mass of the remaining 8 packets of coffee.

Ans: (a) _____ [1]

(b) _____ [3]

14 A rectangular tank measuring 60 cm by 20 cm by 48 cm was $\frac{7}{8}$ filled with water. Some of the water from the tank was used to fill 4 identical bottles completely as shown. As a result, the height of the water in the tank dropped to 34 cm. What was the capacity of each bottle? Give your answer in litres.



Do not write in this space

Ans: _____ [4]

(Go on to the next page)

Do not write in this space

15 The first four figures of a pattern are shown below.

Figure 1 Figure 2 Figure 3 Figure 4 Figure 5

The table shows the number of dots in each figure.

Figure	Number of Dots
1	3
2	5
3	7
4	9
5	(a) _____ [1]

(a) Complete the table for Figure 5.

(b) What is the number of dots in Figure 12?

(c) Which figure number has 113 dots?

Ans: (b) _____ [1]

(c) _____ [2]

16 Mr. Lee bought 3 shirts, 2 belts and 4 pairs of pants for $486. Each shirt cost twice as much as a pair of pants. A belt cost $30 less than a shirt.

(a) Find the cost of a shirt.

(b) Find the cost of a belt.

Do not write in this space

Ans: (a) _____ [3]

(b) _____ [2]

(Go on to the next page)

17 Mr Lim donated some books for sale at a school carnival.
$\frac{3}{5}$ of the books were fiction books and the rest were non-fiction books.
$\frac{7}{10}$ of the total number of books were sold. $\frac{4}{7}$ of the books sold were fiction books. There were 32 non-fiction books left unsold.
How many fiction books were not sold?

Do not write in this space

Ans: _____ [5]

END OF PAPER

ANSWER KEY

YEAR: 2020
LEVEL: Primary 5
SCHOOL: METHODST GRILS SCHOOL
SUBJECT: MATHEMATICS
TERM: SA2

BOOKLET A

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

BOOKLET B

Q16. 1048029
Q17. 360°-135°-140°=85°
Ans : 85°
Q18. $\frac{15}{8} \approx 1\frac{7}{8}$
Q19. 16cm3
Q20.180°-42°-43°=95°
Ans : 95°
Q21. 15
Q22. $\frac{1}{100} \times \$12000 = \$120$
Ans : $120
Q23. 5.098
Q24. 0.827
Q25. $\frac{7}{100} \times \$20 = \$1.40$
$20+$1.40=$21.40
Ans : $21.40
Q26. 32+28+46+9=115
115÷5=23
Ans : 23
Q27. 113°-64°=49°
Q28. $\frac{1}{2} \times 6 \times 12 = 36cm2$
Q29.AB+BQ=32
AP+DC=32
PS+SD=48

QR+RC=48

32+32+48+48=160

Q30. 8×4=32

32×5=160

PAPER 1

Q1. $1-\frac{1}{3}=\frac{2}{3}$

$\frac{2}{3}$ =2400

$\frac{1}{3}$ = 2400÷2

=1200

Q2. 12×3.50=42

12÷6=2

3+3=6

42-6= 36

Q3. Total area: 8×8=64

$2(\frac{1}{2}\times8\times4)=32$

$\frac{1}{2}\times4\times4=8$

Total unshaded area = 32+8 = 40

Total shaded area = 64-40=24

Ans: $\frac{24}{64}\approx\frac{3}{8}$

Q4. ½×350=175

Q5.

Statement	True	False	Not possible to tell
a) There are 4 times as many girls as teacher.	✓		
b) Half of the people in the school are female.			✓

Q6. 39-11=28
28÷4=7
Q7. 90°-38°=52°
180°-52°=128°
Q8. 9kg≈9000kg
9000g-250g=8750g
8750g÷25=350g
350g≈0.350kg
Q9. 7-2=5
25÷5=5
7+3+2=12
5×12=60
Q10. 35÷8==4R3
20×4=80
80+7+4=$91
Q11. 19.70-3.20=16.50
16.50÷0.25=66
66×500=33000m
330000m≈33km
33+1=34
Q12. a) ¼×140=35
b) 115×6=690
690-120-80-100-100-140=150
Q13. a) 10×2.6=26
b) 26-1.2-0.8=24
24÷8=3
Q14. ⅞ ×48×60×20=50400
34×60×20=40800
50400-40800=9600
9600÷4=2400
2400ml≈2.4L
Q15. a) u
b) 19+2=21
21+2=23
23+2=25
c) 113÷2=56.5
56.5≈ 56

Q16.a) 486+30+30=546

546÷14=39

39×2=78

b) 78-30=48

Q17. 1unit=32

2unit=64

4
ZWP.