METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

END-OF-YEAR EXAMINATION 2020
PRIMARY 4
MATHEMATICS

BOOKLET A

Total Time

Sections A to C: 1 hour 45 minutes

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.

Name: _____ ( )

Class: Primary 4._____

Date: 29 October 2020

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Section A: MCQ (36 marks)

Questions 1 to 18 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.

1. The value of the digit 1 in 61 450 is _____.

   (1) 10
   (2) 100
   (3) 1000
   (4) 10 000

2. Which of the following numbers when rounded to the nearest ten becomes 75 900?

   (1) 75 844
   (2) 75 896
   (3) 75 906
   (4) 75 954

3. Which of the following decimals is the greatest?

   (1) 0.403
   (2) 0.496
   (3) 0.049
   (4) 0.154

4. How many one-fifths are there in 2 wholes?

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

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5. Express 0.08 as a fraction in its simplest form.

(1) $\frac{1}{8}$

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

(3) $\frac{2}{25}$

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

6. Round 63.57 to the nearest whole number.

(1) 60
(2) 63
(3) 64
(4) 65

7. 8 is a factor of _____.

(1) 18
(2) 28
(3) 38
(4) 48

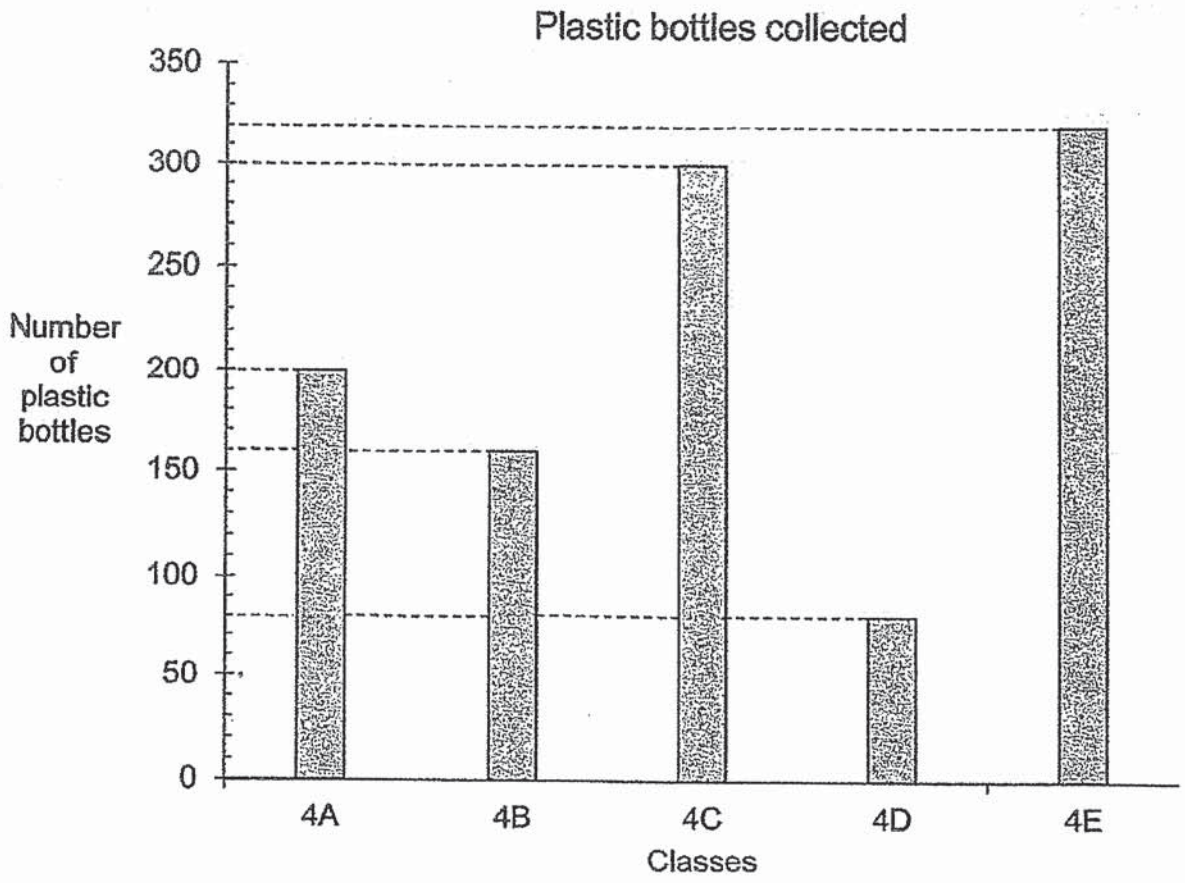
8. Subtract 25.09 from 36.8.

(1) 10.9
(2) 11.71
(3) 21.41
(4) 61.89

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The graph shows the number of plastic bottles collected by 5 classes for a recycling project.



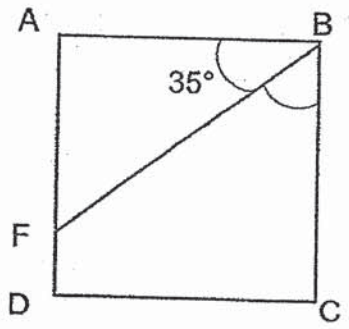
9. Which class collected twice as many plastic bottles as Class 4B?

(1) Class 4A
(2) Class 4C
(3) Class 4D
(4) Class 4E

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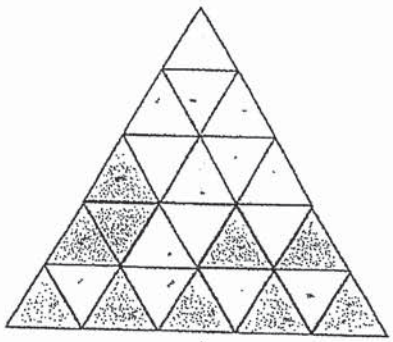
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10. In the figure below, ABCD is a square.
$\angle ABF = 35°$. Find $\angle FBC$.



(1) 35°
(2) 45°
(3) 55°
(4) 90°

11. The figure below is made up of identical triangles.



Sarah wants $\frac{3}{5}$ of the figure to be shaded.

How many **more** triangles must she shade?

(1) 1
(2) 5
(3) 8
(4) 10

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12. The mass of a school bag is 3.92 kg when rounded to 2 decimal places. Which of the following could be the actual mass of the school bag?

(1) 3.913 kg
(2) 3.914 kg
(3) 3.924 kg
(4) 3.925 kg

13. Mrs Siva went to the shopping mall at 8.30 p.m.
She reached home 2 hours 35 minutes later.
What time did she reach home? Give your answer in 24-hour clock.

(1) 23 05
(2) 23 00
(3) 17 55
(4) 11 05

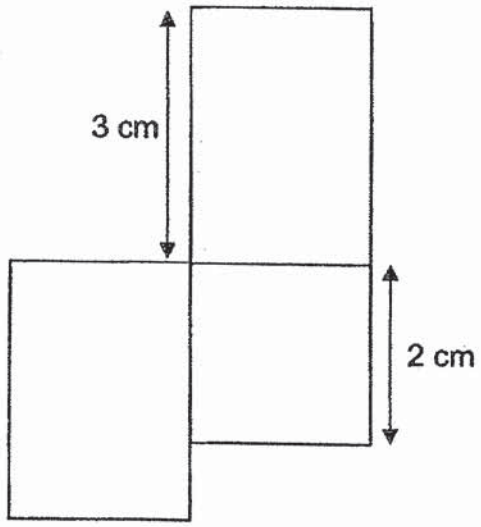
14. Ali has 2 pieces of wire.
One piece is $\frac{5}{6}$ m long and the other piece is $\frac{2}{3}$ m shorter.
What is the total length of the two pieces of wire?

(1) 1 m
(2) $\frac{1}{6}$ m
(3) $1\frac{1}{2}$ m
(4) 6 m

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15. The figure shown is made up of a square of side 2 cm and two identical rectangles of length 3 cm. What is the perimeter of the figure?



(1) 19 cm
(2) 20 cm
(3) 24 cm
(4) 28 cm

16. Mandy started watching a TV programme at 10 15. It lasted for 45 minutes. She decided to paint after that. She stopped painting at 13 15. How long did she spend on painting?

(1) 3 h 00 min
(2) 2 h 30 min
(3) 2 h 15 min
(4) 1 h 45 min

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17. Daniel had twice as many stamps as John at first.
After John lost 409 stamps, Daniel had 4 times as many stamps as John.
How many stamps did Daniel have?

(1) 818
(2) 1 227
(3) 1 636
(4) 2 045

18. John took 20 minutes to walk to school from home.
He left his house at the time shown on the clock below.
The time on the clock was 10 minutes slower than the actual time.
What was the **actual** time he reached school?



(1) 07 05
(2) 07 15
(3) 07 25
(4) 07 35

End of Booklet A

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METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2020
PRIMARY 4
MATHEMATICS

BOOKLET B

Total Time: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4._____

Date: 29 October 2020

Booklet A	/ 36
Booklet B	/ 36
Booklet C	/ 28
TOTAL	/ 100

Parent's Signature: _____

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Section B: (36 marks)

Questions 19 to 36 carry 2 marks each.
Write out the correct answers for the following questions in the space provided.
Show your working clearly and give your answers in the units provided.

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

41 369 , 41 169 , 40 969, _____ , 40 569

Ans : _____

20. Some factors of 32 are 1, 2, 4 and 32. What are the other two factors of 32?

Ans : _____ and _____

21. What is the remainder when 6302 is divided by 7?

Ans : _____

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

$\frac{4}{7}$, $\frac{1}{2}$, $\frac{5}{7}$

Ans : _____ , _____ , _____
(*smallest*) (*greatest*)

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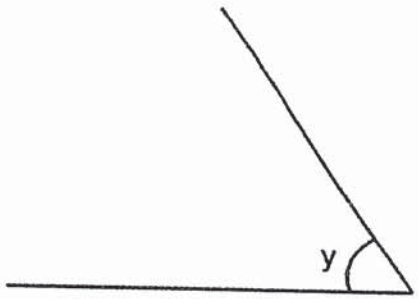
23. $\frac{2}{5} - \frac{1}{10} =$ _____.

Ans : _____

24. $2.04 \div 5 =$ _____

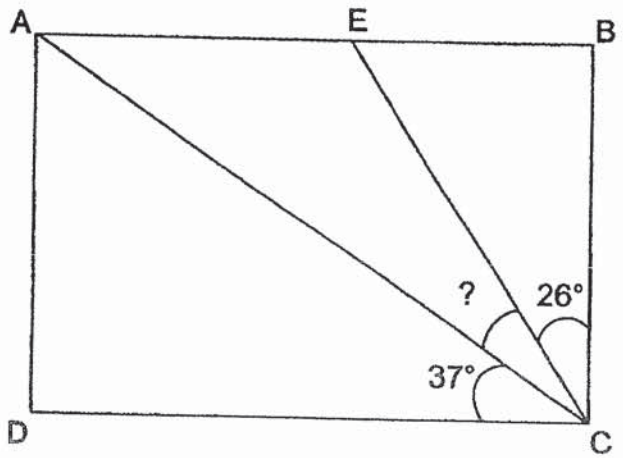
Ans : _____

25. Measure and write down the size of $\angle y$.



Ans : _____ °

26. In the figure shown, ABCD is a rectangle. Find $\angle ACE$.

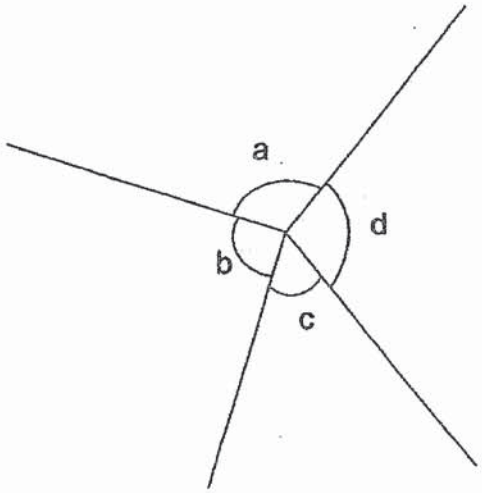


Ans : _____ °

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27. In the figure below, name the smallest angle.



Ans : ∠ _____

28. 10.15 × 7 = _____

Ans : _____

29. Use the digits below to form the smallest 5-digit even number.

2	7	1	0	9

Ans : _____

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30. Xiaowen wants to pack 1346 sweets into bags.
Each bag can contain 6 sweets.
What is the least number of bags Xiaowen needs to pack **all** the sweets?

Ans : _____

31. Ben had a container filled with 5 ℓ of water.
He poured $\frac{1}{6}$ ℓ into Bottle A and $\frac{7}{12}$ ℓ into Bottle B.
How much water was left in the container?

Ans : _____ ℓ

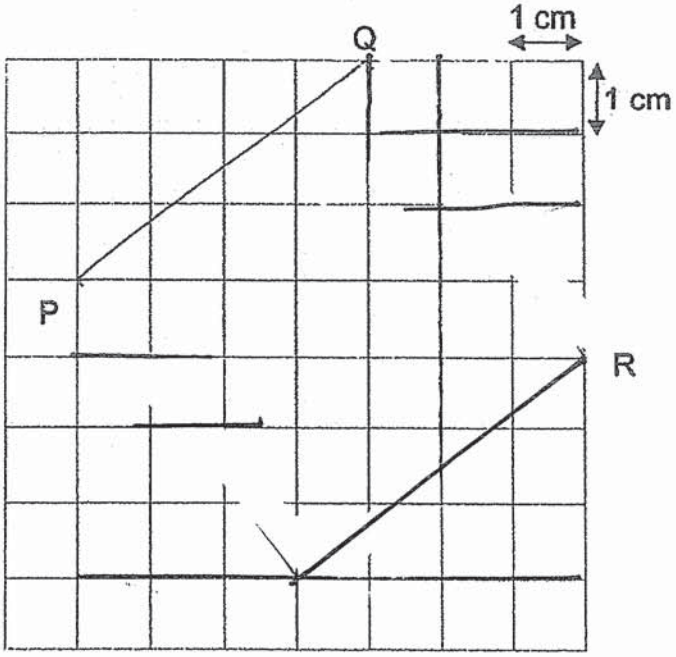
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32. In the square grid below, line PQ and line QR form two sides of a square.

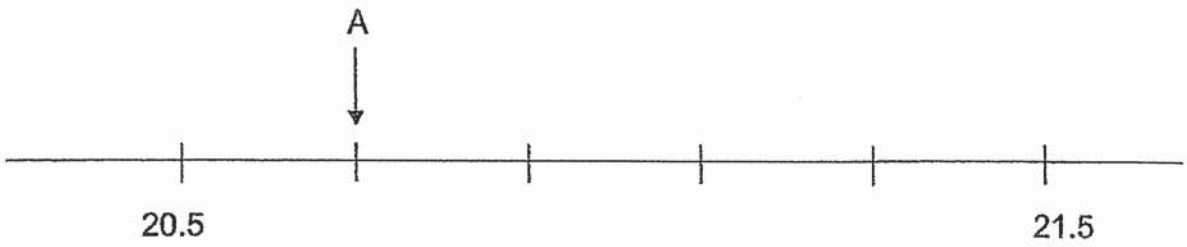
(a) Complete the drawing of square PQRS in the square grid.

(b) Measure line PS.



Ans : (b) _____ cm

33. What is the value of A on the number line?



Ans : _____

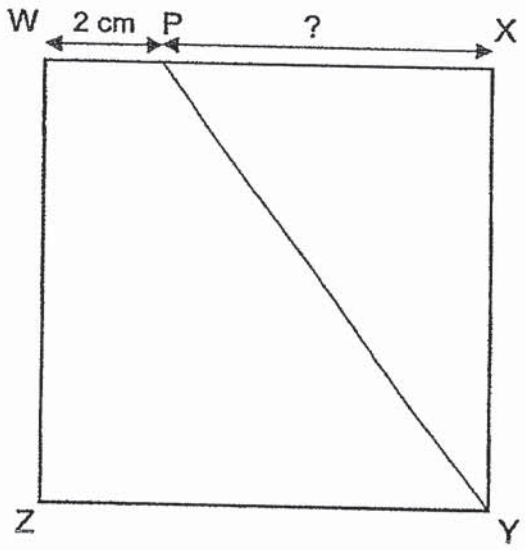
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34. Govin took 2 h 10 min to travel from home to his grandmother's house.
He reached his grandmother's house at 1.30 p.m.
What time did he leave home? Give your answer using the 24-hour clock.

Ans : _____

35. The figure shows a square WXYZ of area 64 cm^2.
The length of WP is 2 cm.
Find the length of PX.

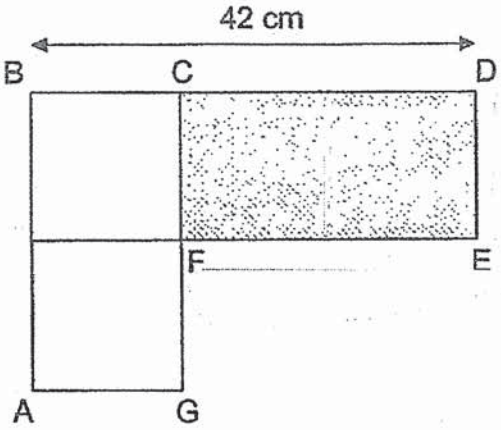


Ans : _____ cm

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36. The figure below is made up of two identical squares and a rectangle.
The length of BD is 42 cm.
The length of AB is equal to the length of CD.
What is the area of the shaded rectangle CDEF?



Ans : _____ cm^2

End of Booklet B

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METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2020
PRIMARY 4
MATHEMATICS

BOOKLET C

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4._____

Date: 29 October 2020

/28

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Section C: (28 marks)

Show your working clearly in the space provided for each question 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.

37. Huimin and her sister shared 4 m of cloth.
She used $\frac{1}{4}$ m of cloth while her sister used $\frac{1}{5}$ m more cloth than her.
How much cloth was left? Give your answer as a mixed number in the simplest form.

Do not write anything in this margin.

Ans : _____ [3]

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38. Peter's Art teacher gave him 300 ice-cream sticks to paint.

She wanted $\frac{1}{6}$ of the ice-cream sticks to be painted yellow and the rest green.

(a) How many ice-cream sticks must be painted yellow?

(b) How many **more** ice-cream sticks would be painted green than yellow?

Do not write anything in this margin.

Ans : (a) _____ [1]

(b) _____ [2]

(Go on to the next page)

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39. Mr Yan had $500 at first.
He gave Amanda three times as much money as Billy.
He gave Billy twice as much money as Cassie.
He was left with $45.50 in the end.
How much money did Cassie receive?

Do not write anything in this margin.

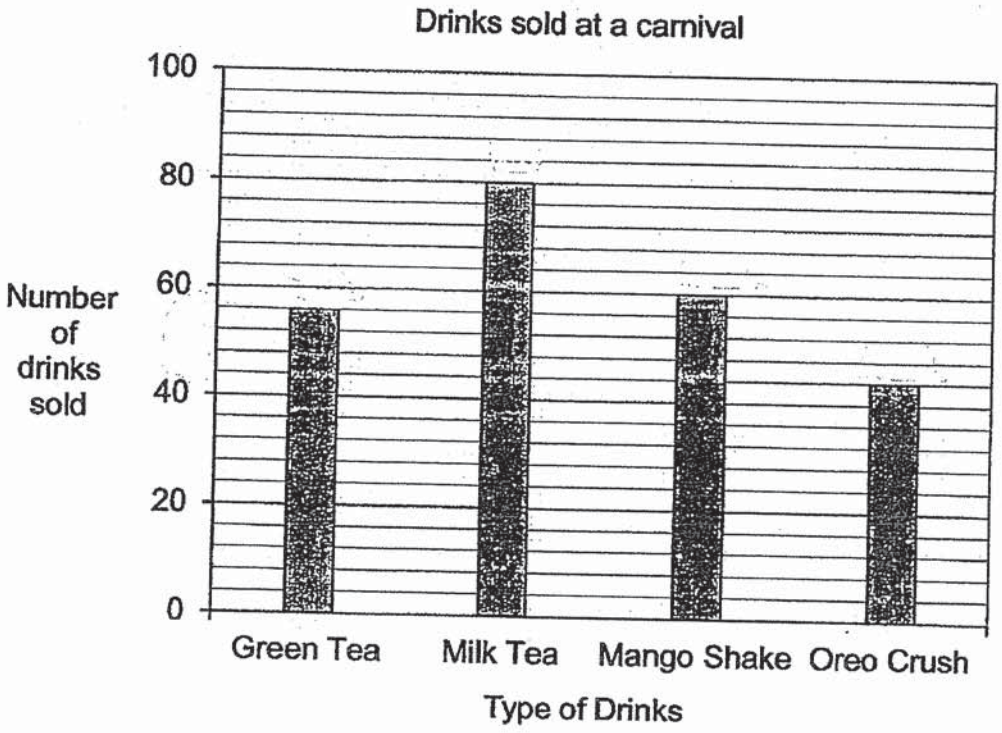
Ans : _____ [3]

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40. The graph below shows the total number of drinks sold at a carnival on a particular day.

Do not write anything in this margin.



(a) The difference in the number between 2 types of drinks sold was 24. Which 2 drinks were they?

(b) What was the total number of drinks sold at the carnival?

Ans : (a) _____ and _____ [1]

(b) _____ [2]

(Go on to the next page)

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41. A thermometer cost 3 times as much as a box of masks.
Mr Teng paid $400 to buy 2 similar boxes of masks and 2 similar thermometers.
How much more did each thermometer cost than a box of masks?

Do not write anything in this margin.

Ans : _____ [4]

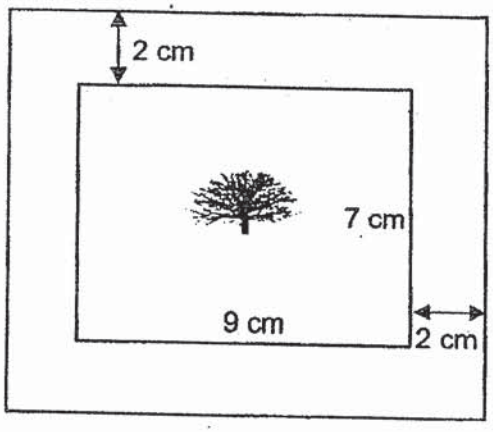
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42. A photograph measuring 9 cm by 7 cm is placed on a cardboard leaving a 2-cm border around it.

Find the area of the cardboard not covered by the photograph.

Do not write anything in this margin.



Ans : _____ [4]

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43. Gopal had 3 times as much money as Mariam.
After Gopal used his money to buy 5 pencils at $1.20 each, he had $0.60 left. How much money did Mariam have?

Do not write anything in this margin.

Ans : _____ [4]

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44. The total mass of a box and 10 identical packets of sugar is 4500 g. The total mass of the same box and 3 identical packets of sugar is 2050 g. What is the mass of the empty box?

Do not write anything in this margin.

Ans : _____ [4]

End of Booklet C

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ANSWER KEY

YEAR: 2020

LEVEL: PRIMARY 4

SCHOOL: METHODIST GIRLS' SCHOOL

SUBJECT: MATHEMATICS

TERM: END OF YEAR EXAMINATION

BOOKLET A

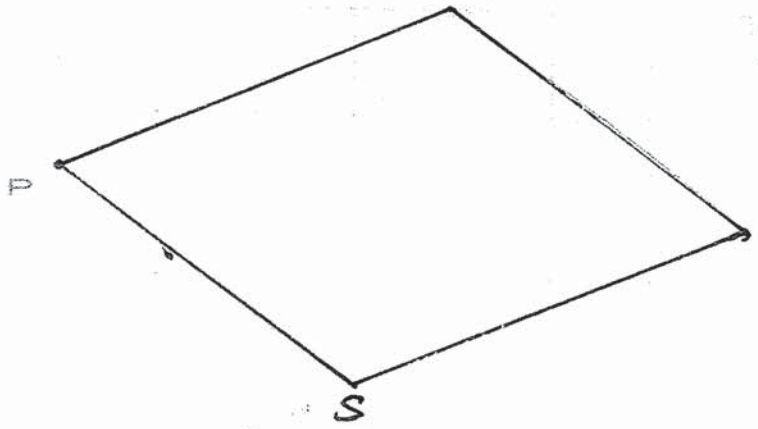
Q1	3	Q2	2	Q3	2	Q4	4	Q5	3
Q6	3	Q7	4	Q8	2	Q9	4	Q10	3
Q11	2	Q12	3	Q13	1	Q14	1	Q15	2
Q16	3	Q17	3	Q18	3				

BOOKLET B

Q19	40969−200=40769
Q20	32=1×32 =2×16 =4×8 Ans:16 and 8
Q21	6302÷7=900R2 Ans: 2
Q22	$\frac{1}{2}, \frac{4}{7}, \frac{5}{7}$
Q23	$\frac{2}{5} - \frac{1}{10} = \frac{4}{10} - \frac{1}{10} = \frac{3}{10}$
Q24	2.04+5.00=7.04
Q25	55°
Q26	26°+37°=63° 90°−63°=27°
Q27	C
Q28	10.15×7=71.05
Q29	10792
Q30	1346÷6=224R2 224+1=225 bags

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Q31	Used=L$\frac{7}{12}L+\frac{2}{12}L=\frac{9}{12}$ $\frac{60}{12}L-\frac{9}{12}L=\frac{51}{12}L=4\frac{3}{12}=4\frac{1}{4}$L
Q32	(a)  (b) 5cm
Q33	20.7
Q34	1120
Q35	8cm×8cm=64cm^2 Length of square = 8cm WP = 8cm−2cm=6cm
Q36	42cm÷3=14cm Length of shaded rec.= 14cm×2 =28cm Breadth of shaded rec.=14cm Area= L×B =28cm×14cm =392cm^2

BOOKLET C

Q37	$\frac{1}{4}$ m of cloth=$\frac{5}{20}$m+$\frac{4}{20}$m =$\frac{9}{20}$m Total used$\frac{14}{20}$m 5m of cloth =$\frac{100}{20}$m $4-\frac{5}{20}-\frac{9}{20}=3\frac{6}{20}$ $=3\frac{3}{10}$

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Q38	(a)6u=300 1u=300÷6 =50 50 ice cream sticks must be painted yellow. (b)Green=5u Yellow=1u 5u−1u=4u 4u=50×4 =200 200 more ice-cream sticks would be painted green.
Q39	Amount he gave away= $500−$45.50 =$54.50 9u=$454.50 1u=$50.50 She received $50.50
Q40	(a)Green Tea= 56 Milk Tea= 80 80−56=24 They were the green teas and milk teas (b)Total=56+80+60+44 =100+140 =240 240 drinks were sold in total.
Q41	8u=$400 1u=$50 3u−1u=2u 2u=$100 It costs $100 more

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Q42	Length of border= 9cm+ 4cm=13cm Breadth of border= 7cm+ 4cm=11cm Area of figure= L×B =13cm×11cm=143cm^2 Area of photo= L×B =13cm×11cm=143cm^2 Area of photo=L×B =9cm×7cm =63cm^2 Area of border=143cm^2−63cm^2 =80cm^2
Q43	Amount G spent=1.20×5=$6 Amount of G has at first=$6+$0.60 =$6.60 Amount M has = $6.60÷3 =$2.20 She had $2.20
Q44	Mass of 7 packets of sugar=2450g Mass of 1 packet of sugar=350g Mass of 3 packets of sugar=1050g Mass of box =1000g

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END

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