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ST. HILDA'S PRIMARY SCHOOL

Booklet A

SEMESTRAL ASSESSMENT 2 2019

PRIMARY 4 MATHEMATICS

BOOKLET A

Total Time for Booklets A and B: 1 hour 45 minutes

Additional Materials: Optical Answer Sheet

Booklet A: 20 Multiple-Choice Questions (40 marks)

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all the questions.
4. Shade your answers in the Optical Answer Sheet provided.
5. The use of a calculator is not allowed.

Name : _____

Index No.: _____ **Class : P4 /** ____ **Date : 30 October 2019**

Parent's Signature : _____

This booklet consists of 8 printed pages.

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Questions 1 to 20 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. (40 marks)

1. 65 thousands and 3 tens is the same as _____.

(1) 653
(2) 6530
(3) 65 003
(4) 65 030

2. Which of the following is a factor of both 27 and 60?

(1) 12
(2) 9
(3) 3
(4) 7

3. How many one-sixths are there in 2 wholes?

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

(2) 6

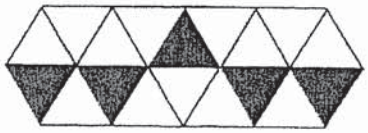
(3) 3

(4) 12

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4. The figure shown below is made up of identical triangles.
What fraction of the figure is shaded?



(1) $\frac{5}{13}$

(2) $\frac{5}{18}$

(3) $\frac{13}{18}$

(4) $\frac{13}{5}$

5. In which of the following numbers does the digit 6 stand for 6 hundredths?

(1) 114.62
(2) 275.36
(3) 506.87
(4) 613.42

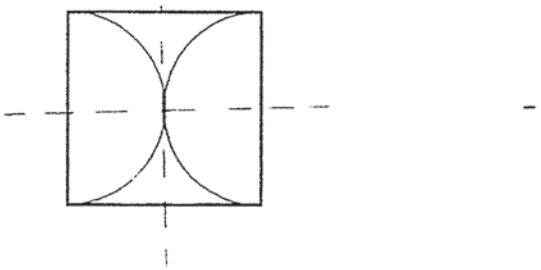
6. Write $3\frac{7}{25}$ as a decimal.

(1) 3.725
(2) 3.7
(3) 3.28
(4) 3.25

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7. How many lines of symmetry does the figure below have?



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

8. In which of the following are the numbers arranged from the greatest to the smallest?

	(greatest)		*(smallest)*
(1)	41 118,	41 181,	41 811
(2)	41 181,	41 811,	41 118
(3)	41 811,	41 118,	41 181
(4)	41 811,	41 181.	41 118

9. Which of the following numbers when rounded to the nearest ten becomes 41 600?

(1) 41 666
(2) 41 596
(3) 41 606
(4) 41 664

10. 64 is **not** a multiple of _____.

(1) 6
(2) 2
(3) 8
(4) 4

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11. A number when rounded to the nearest tenth is 24.3.
What is the largest possible value of that number?

(1) 24.25
(2) 24.29
(3) 24.34
(4) 24.39

12. Dorothy's age now is between 1 and 40 and it is a multiple of 4.
Next year, her age will be a multiple of 7.
What is Dorothy's age next year?

(1) 21
(2) 27
(3) 28
(4) 29

13. At a party, $\frac{1}{4}$ of the children ate chocolate ice-cream, $\frac{3}{8}$ of the children ate vanilla ice-cream. The remaining 18 children ate strawberry ice-cream.
How many children ate chocolate ice-cream?

(1) 6
(2) 12
(3) 30
(4) 48

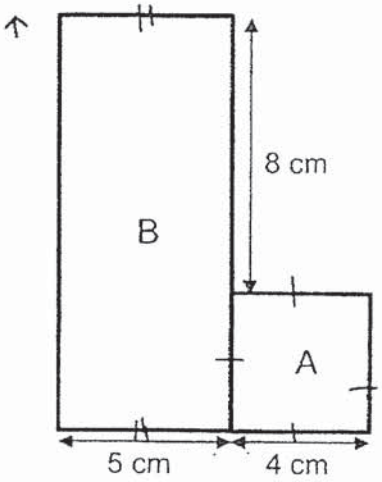
14. The perimeter of a square is 36 cm.
What is the area of the square?

(1) 24 cm^2
(2) 36 cm^2
(3) 81 cm^2
(4) 1296 cm^2

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15. The figure shown is made up of a square A with side 4 cm and a rectangle B with breadth 5 cm.
What is the area of rectangle B?



(1) 16 cm²
(2) 40 cm²
(3) 60 cm²
(4) 76 cm²

16. String A is 31.6 m long.
It is four times as long as String B.
String C is 11.07 m longer than String B.
What is the length of String C?

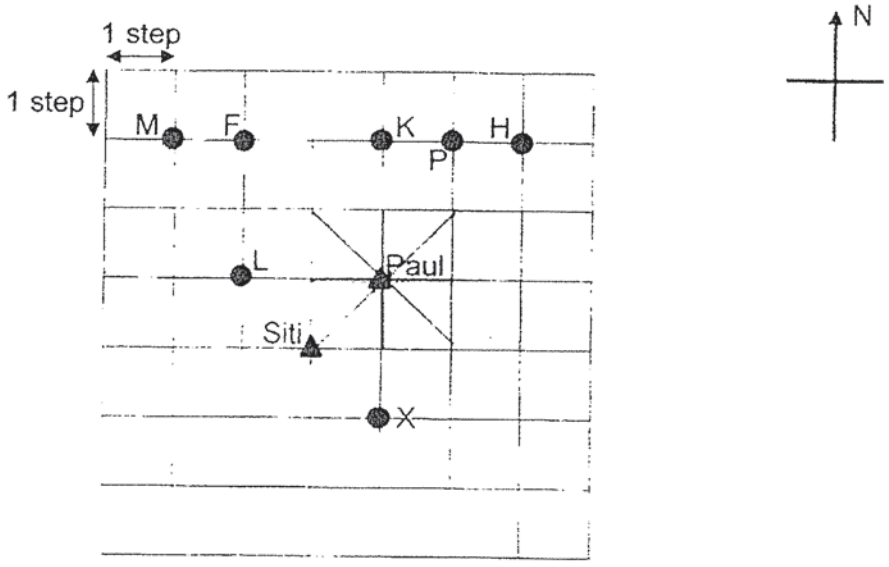
(1) 18.97 m
(2) 20.53 m
(3) 42.67 m
(4) 137.47 m

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17. Use the map below to answer questions **17** and **18**.

Paul is facing point X.
He turns through an angle of 135° in the anti-clockwise direction.
Which point is he facing now?



(1) F
(2) H
(3) K
(4) L

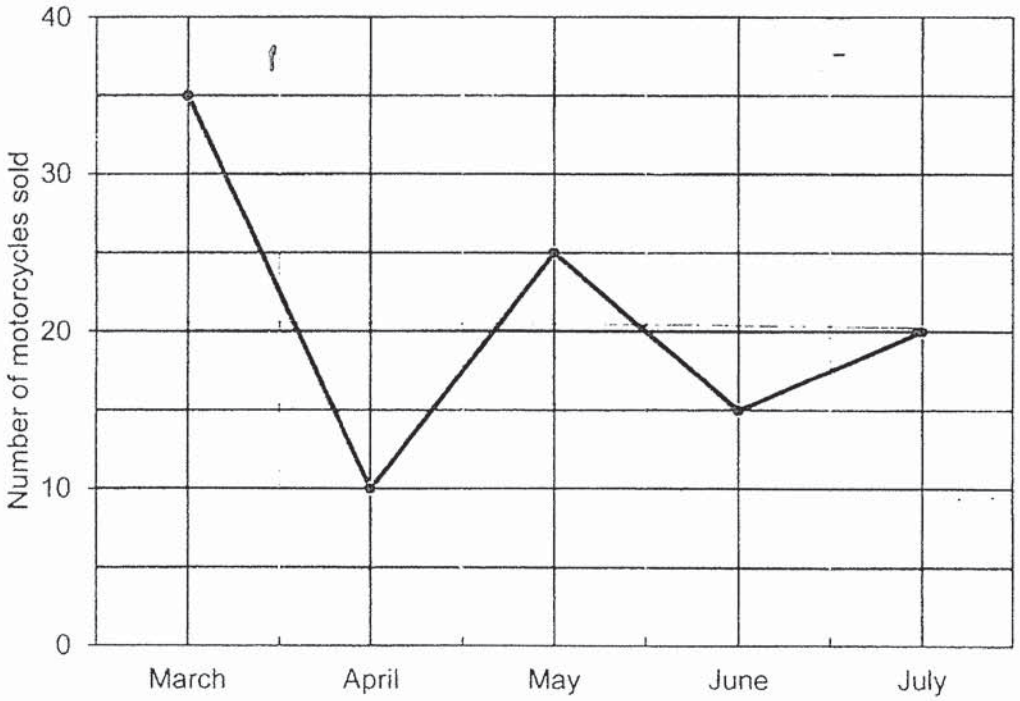
18. Siti is at her starting point.
She faces East and walks 2 steps.
She then turns North and walks 3 steps.
Which point is she at now?

(1) F
(2) H
(3) M
(4) P

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The graph below shows the number of motorcycles sold by Mr Lee from March to July. Study the graph and answer **questions 19 and 20**.



19. How many motorcycles did Mr Lee sell from May to July?

(1) 50
(2) 60
(3) 70
(4) 105

20. Mr Lee sold 19 fewer motorcycles in February than in March, how many motorcycles did he sell in February?

(1) 16
(2) 24
(3) 26
(4) 54

END OF BOOKLET A
Proceed to Booklet B

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ST. HILDA'S PRIMARY SCHOOL

Booklet B

SEMESTRAL ASSESSMENT 2 2019

PRIMARY 4 MATHEMATICS

BOOKLET B

Total Time for Booklets A and B: 1 hour 45 minutes

Booklet B: 20 Short Answer Questions (40 marks)
5 Long Answer Questions (20 marks)

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all the questions.
4. Write your answers in this booklet.
5. The use of a calculator is not allowed.

Name : _____

Index No.: _____ Class :P4/ _____ Date: 30 October 2019

Booklet A	/ 40
Booklet B	/ 60
TOTAL	/ 100

Parent's Signature : _____

Date : _____

This booklet consists of 13 printed pages.

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Questions **21** to **40** 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. (40 marks)

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21. What is the missing number in the number pattern below?

4649 , 4799 , 4949 , _____ , 5249

Ans: _____

22. Some of the factors of 18 are 1, 2, 3 and 18.
What are the other two factors of 18?

Ans: _____ and _____

23. Which two of the fractions below is equivalent to $\frac{1}{2}$?

$\frac{2}{4}$, $\frac{4}{6}$, $\frac{4}{8}$, $\frac{3}{12}$

Ans: _____ and _____

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

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_____ , _____ , _____

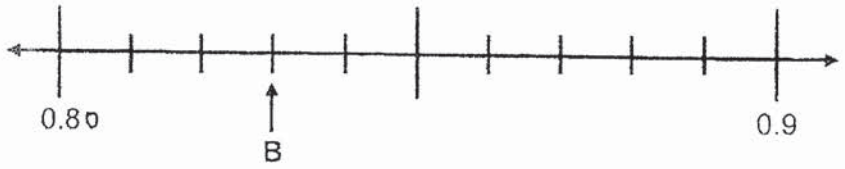
(greatest) **(smallest)**

25. What is the value of $\frac{5}{8} + \frac{3}{4}$?

Express your answer as a mixed number.

Ans: _____

26. Write the decimal represented by B.



Ans: _____

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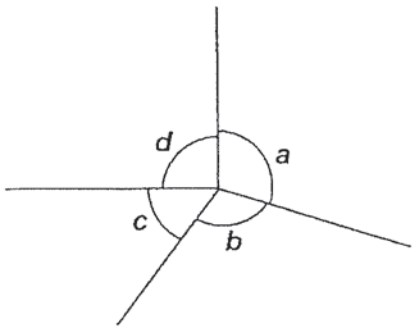
27. Arrange the following numbers from the smallest to the greatest.

$$0.408 \quad , \quad \frac{2}{5} \quad , \quad 0.048$$

_____ , _____ , _____

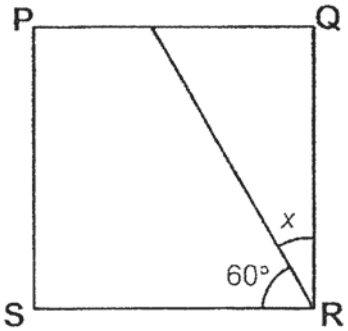
(smallest) (greatest)

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



Ans: ∠ _____

29. PQRS is a square.
Find the value of ∠ x.



Ans: _____

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30. The table below shows the different types of canned drinks bought at a vending machine.

Type of drink	Number of cans
Apple juice	75
Milo	96
Coke	83

How many more cans of Milo than Apple juice are bought?

Ans: _____

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31. What is the missing number in the box?

$$\begin{array}{r} \square \\ \times \quad 8 \\ \hline 419.2 \\ \hline \end{array}$$

Ans: _____

32. At a fruit shop, apples were sold in bags of 6 only and not separately.
Each bag of apples cost $4. Kelly has $19.
What is the greatest number of apples that she can buy?

Ans: _____

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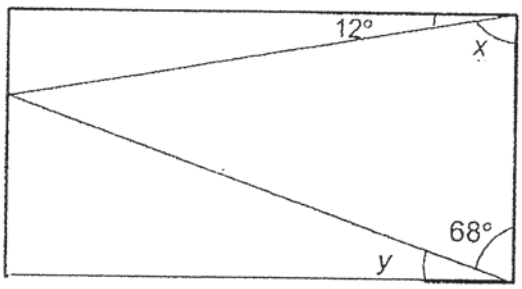
33. The perimeter of a rectangle is 56 cm.
Its length is 16 cm.
Find the breadth of the rectangle.

Ans: _____ cm

34. 3 apples and 1 honeydew cost $7.17.
2 apples and 1 honeydew cost $6.27.
What is the cost of 2 apples?

Ans: _____

35. The figure below shows a rectangle.
$\angle x + \angle y =$ ☐
What is the missing number in the box?

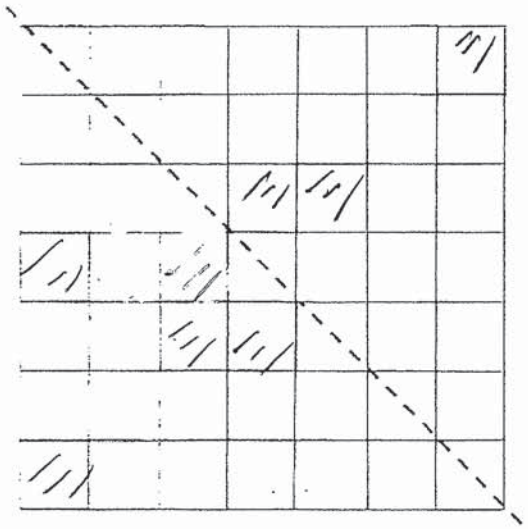


Ans: _____

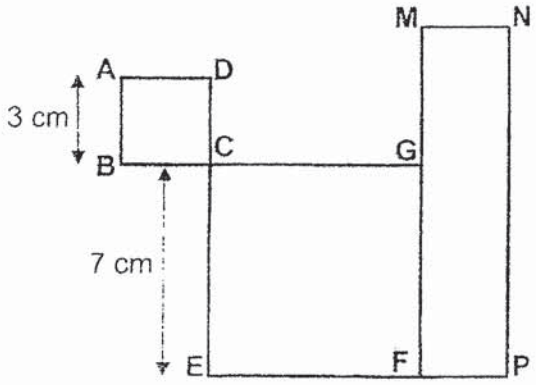
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36. Complete the drawing below by shading 2 more squares so that the dotted line is a line of symmetry.



37. ABCD and CEFG are squares and MFPN is a rectangle.
Given that AB = 3 cm, and NP is four times the length of AB, find the length of MG.



Ans: _____ cm

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38. Ali had a rectangular piece of paper ABCD as shown in Figure 1.
He folded the paper to form the shape as shown in Figure 2.
Find the length of AB in Figure 1.

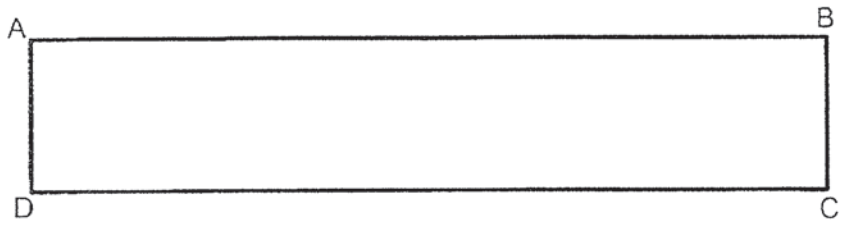


Figure 1

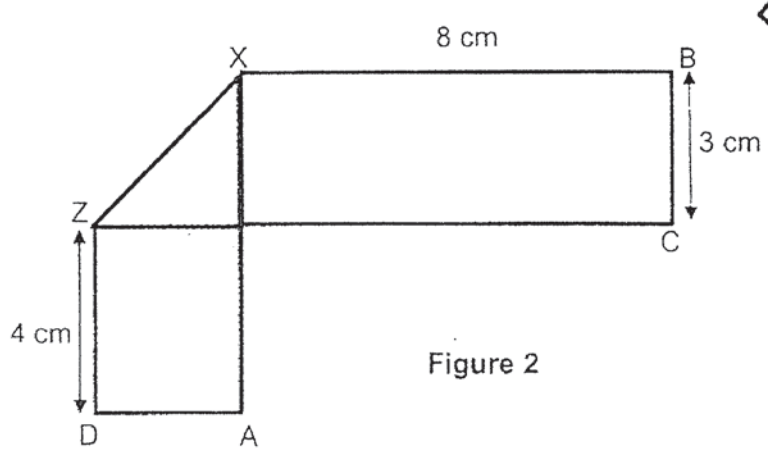


Figure 2

Ans: _____ cm

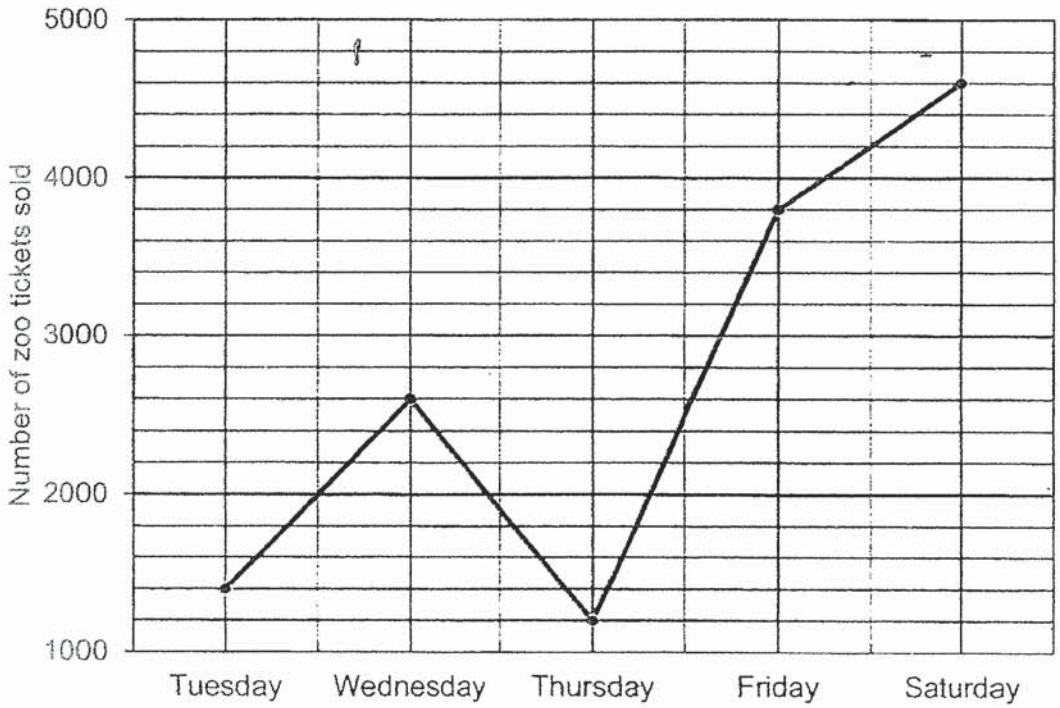
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The line graph below shows the number of zoo tickets sold from Tuesday to Saturday.
Study the graph and answer **questions 39 and 40**.



39. What is the difference between the highest and the lowest number of zoo tickets sold from Tuesday to Saturday?

Ans: _____

40. Between which 2 days did the number of tickets sold increase the greatest?

Ans: _____ to _____

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For questions **41** to **45**, show your working clearly 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. (20 marks)

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41. Jill saves $512.
She saves four times as much as her brother, Tom.
How much must she give Tom so that both of them have an equal amount of money?

Ans: _____ [4]

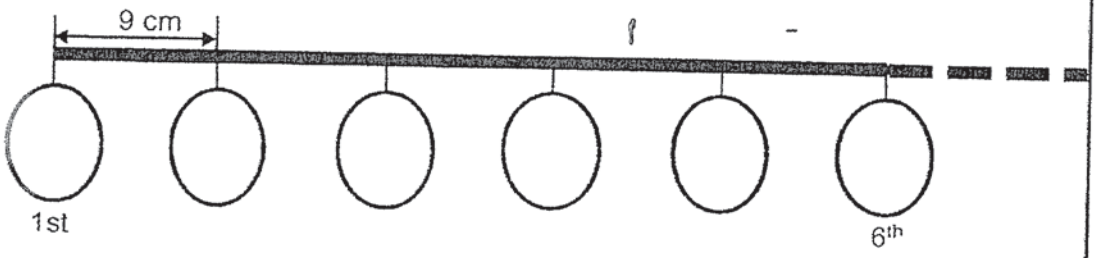
42. Peter and Ali shared some stickers equally.
After Ali bought 46 stickers and Peter gave 112 stickers away, they had 478 stickers left.
How many stickers did each of them have at first?

Ans: _____ [4]

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43. Mary had a ribbon of 150.3 cm long. She tied some balloons on the ribbon. Part of the ribbon and balloons were shown as below. Each balloon was 9 cm apart from one another.



(a) What is the length of the ribbon between the 2nd and 10th balloon?
(b) Find the most number of balloons that could be tied on the 150.3 cm of ribbon with balloons at 9 cm apart from one another.

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Ans: (a) _____ [2]

(b) _____ [2]

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44. Tim had a box of marbles.

$\frac{5}{12}$ of the marbles were blue and the rest were red.

(a) What fraction of the marbles were red?

(b) There were 34 fewer blue marbles than red marbles.
How many marbles were there altogether?

Ans: (a) _____ [2]

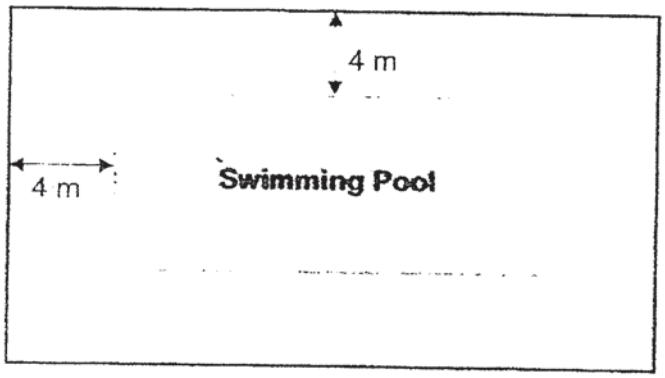
(b) _____ [2]

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45. A swimming pool measures 18 m by 9 m.
It is surrounded by a path which is 4 m wide as shown below.
What is the area of the path?



Ans: _____ [4]

END OF BOOKLET B

Have you checked your work carefully?

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ANSWER KEY

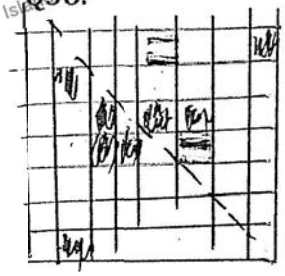
YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : ST. HILDA'S PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESSMENT 2

BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	4	2	2	3	2	4	2	1
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	1	2	3	3	1	2	4	2	1

BOOKLET B

Q21. 5099
Q22. 6 and 9
Q23. $\frac{2}{4}$ and $\frac{4}{8}$
Q24. $\frac{3}{4}, \frac{7}{12}, \frac{1}{2}$
Q25. $1\frac{3}{8}$
Q26. 0.83
Q27. 0.048 , $\frac{2}{5}$, 0.408
Q28. $\angle C$
Q29. 30°
Q30. 11
Q31. 52.4
Q32. 24
Q33. 12cm
Q34. $1.80
Q35. 100°
Q36.



Q37. 5cm
Q38. 15cm
Q39. 3400

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Q40. Thursday to Friday
Q41. $192
Q42. 272 stickers
Q43. (a) 72cm
(b) 17 balloon
Q44. (a) $\frac{7}{12}$
(b) 204 marbles
Q45. 280 m^2

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2nd P.

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