Anglo-Chinese School
(Primary)

A Methodist Institution
(Founded 1886)

2022 SEMESTRAL ASSESSMENT 1
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Name: _____ ( ) **Class: Primary 4** ____

Date: 11 MAY 2022 **Duration of Booklets A & B: 1 hour 45 minutes**

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 7 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answers on the Optical Answer Sheet (OAS) provided.

SECTION A - Multiple Choice Questions (30 MARKS)

Questions 1 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 (OAS).

1. Which one of the following numbers have the greatest value?

   (1) 83 714

   (2) 87 341

   (3) 87 431

   (4) 83 741

2. Which one of the following number when rounded off to the nearest hundred is 6000?

   (1) 6138

   (2) 6087

   (3) 5986

   (4) 5092

3. Which one of the following is **not** a common factor of 18 and 36?

   (1) 6

   (2) 18

   (3) 3

   (4) 36

4. $2\frac{3}{7} = \frac{\square}{7}$

What is the missing number in the box?

(1) 17

(2) 14

(3) 6

(4) 5

5. A sticker printer can print 7680 stickers in 6 hours. How many stickers can the printer print in 4 hours?

(1) 1280

(2) 1920

(3) 2560

(4) 5120

6. $\frac{5}{12} + \frac{1}{4} =$ _____

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

(2) $\frac{1}{4}$

(3) $\frac{3}{8}$

(4) $\frac{8}{12}$

7. Which of the following is a multiple of both 4 and 6?

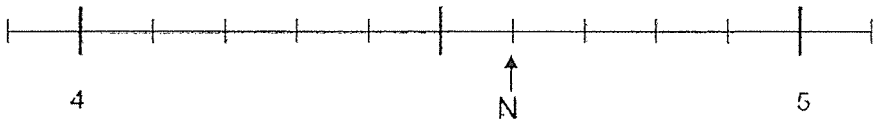
(1) 46

(2) 36

(3) 28

(4) 16

8. Which of the following mixed numbers is represented by the letter N in the number line shown?



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

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

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

(4) $4\frac{1}{2}$

9. How many one-fifths are there in 6 wholes?

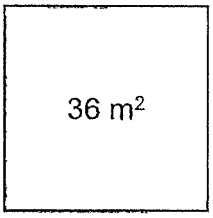
(1) 30

(2) 11

(3) 6

(4) 5

10. The area of the square carpet shown below is 36 m^2. What is the perimeter of the square carpet?



(1) 6 m

(2) 9 m

(3) 24 m

(4) 81 m

11. The perimeter of a rectangle is 108 cm. The length of the rectangle is 12 cm longer than its breadth. What is the breadth of the rectangle?

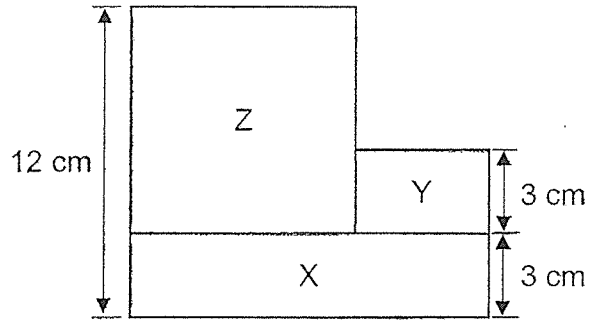
(1) 21 cm

(2) 24 cm

(3) 84 cm

(4) 96 cm

12. The figure below is made up of 2 rectangles, X and Y, and a square Z. Find the area of square Z.



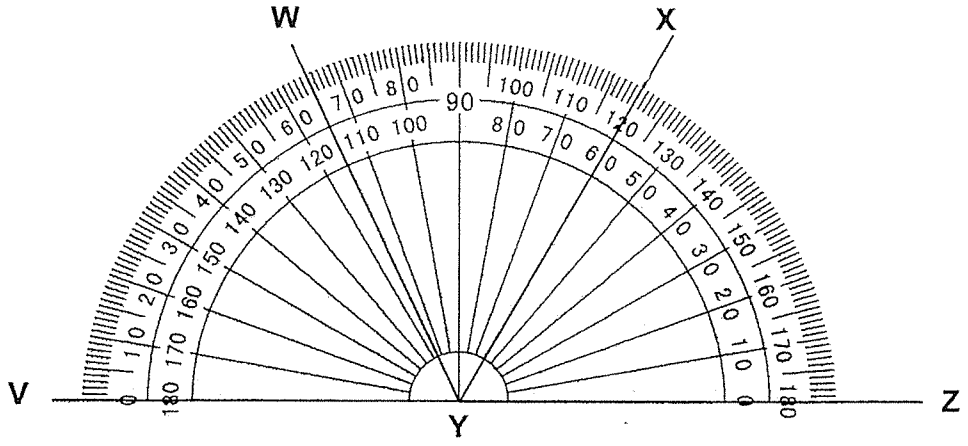
(1) 18 cm^2

(2) 27 cm^2

(3) 36 cm^2

(4) 81 cm^2

13. What is the size of ∠WYX in degree?



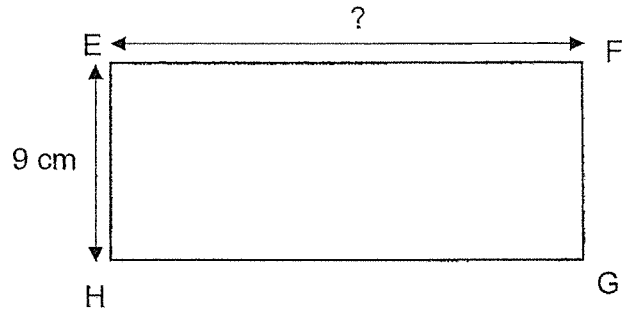
(1) 55°

(2) 65°

(3) 120°

(4) 180°

14. The perimeter of the rectangle EFGH is 56 cm.
The breadth EH is 9 cm, find the length of EF.



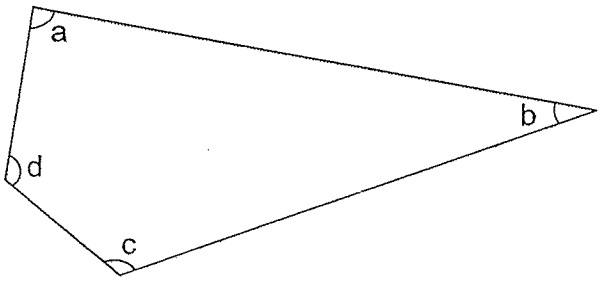
(1) 18 cm

(2) 19 cm

(3) 38 cm

(4) 47 cm

15. In the figure below, which angle/s is/are greater than a right angle?



(1) $\angle$b only

(2) $\angle$a and $\angle$d

(3) $\angle$c and $\angle$d

(4) $\angle$a, $\angle$c and $\angle$d

End of Booklet A

Anglo-Chinese School
(Primary)

A Methodist Institution
(Founded 1886)

2022 SEMESTRAL ASSESSMENT 1
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ ( ) Class: Primary 4 ____

Date: 11 May 2022 Duration of Booklets A & B: 1 hour 45 minutes

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 17 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Maximum Marks	Marks Obtained
A. Multiple-Choice Questions	30	
B. Short Answers	40	
C. Problem Sums	30	
Total Marks	100	

SECTION B - Short Answers (40 Marks)

Questions 16 to 35 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16. Write ninety-seven thousand and two in figures.

Ans: _____

17. Arrange the following numbers in ascending order.

2879, 2798, 2897, 2789

Ans: _____ , _____ , _____ , _____

18. Find the value of $3 - \frac{3}{8}$.

Ans: _____

19. The number, when divided by 9, has a quotient of 406 and a remainder of 4. What is the number?

Ans: _____

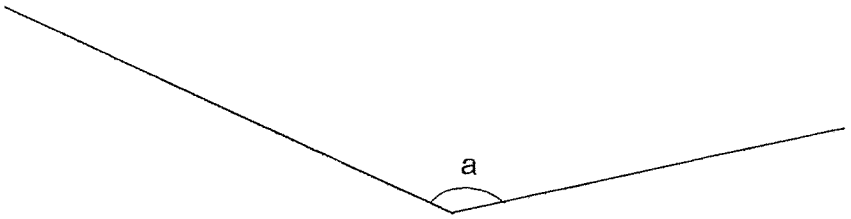
20. Write $\frac{17}{6}$ as a mixed number.

Ans: _____

21. I am a common multiple of 6 and 9. I am greater than 28 but lesser than 40. What number am I?

Ans: _____

22. Using a protractor, measure and write down the size of ∠a in the figure.



Answer : _____°

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

$$\frac{2}{5}, \frac{3}{8}, \frac{7}{10}$$

Answer : _____ (greatest) , _____ , _____ (smallest)

24. James bought 5 pencils and 2 markers for $27. 1 marker cost twice as much as a pencil. How much did a marker cost?

Ans: $ _____

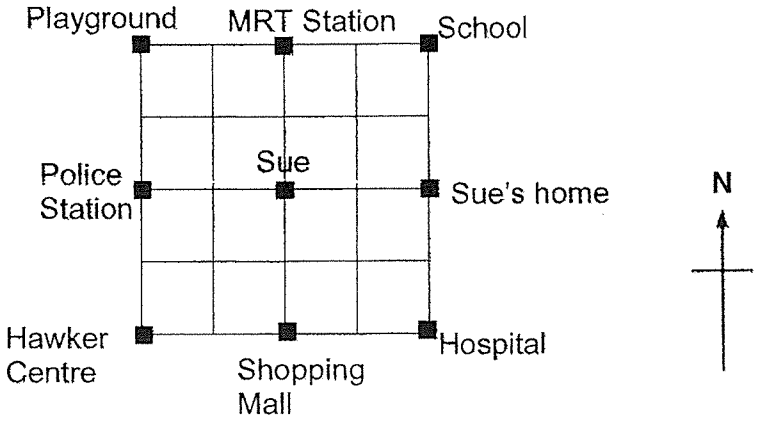
25. $4 + \frac{9}{10}$ is equivalent to _____ tenths.

Answer : _____

26. Benjamin bought 397 bags of marbles. Each bag contains 17 marbles. How many marbles does he have altogether?

Ans: _____

27. The map show some places around Sue's neighbourhood.



Complete the table

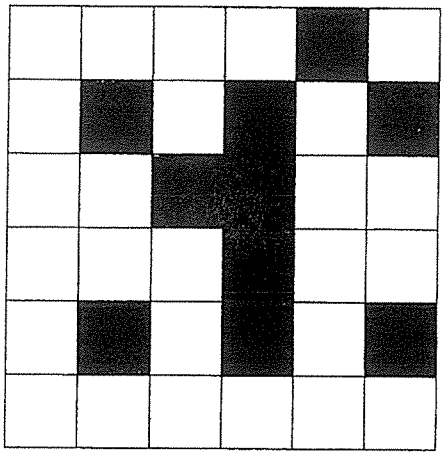
Sue is facing	If Sue turns	Sue will be facing
MRT Station	135^0 Clockwise	(a)
Hawker Centre	(b)	Playground

Answer : a) _____

b) _____

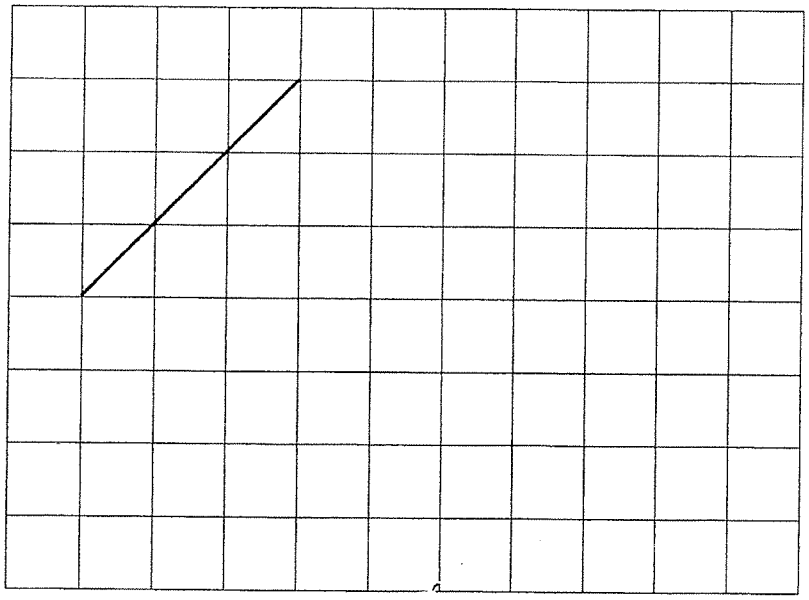
28. The figure below is made up of unit squares.

How many more squares must be shaded so that $\frac{3}{4}$ of the figure is shaded?



Answer : _____

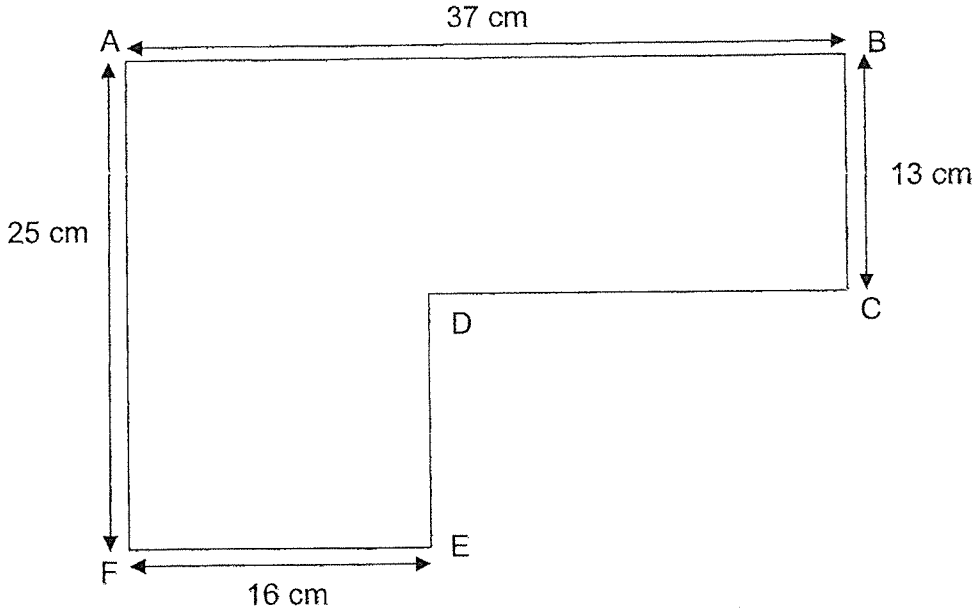
29. On the grid below, draw a square using the given line.



30. Two factors of 27 are 1 and 27. What are the other two factors of 27?

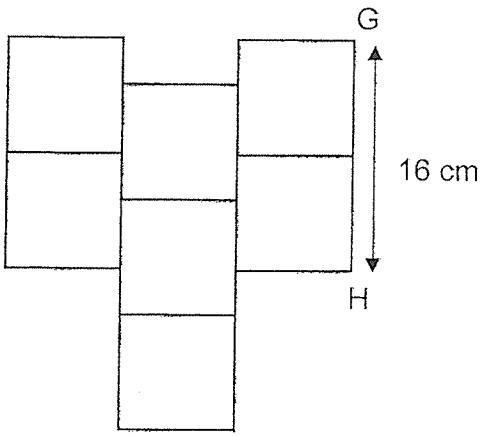
Ans: _____ and _____

31. Find the area of the figure shown below.



Ans: _____ cm^2

32. The figure below is made up of 7 identical squares. Given that GH is 16 cm, find the area of the figure.

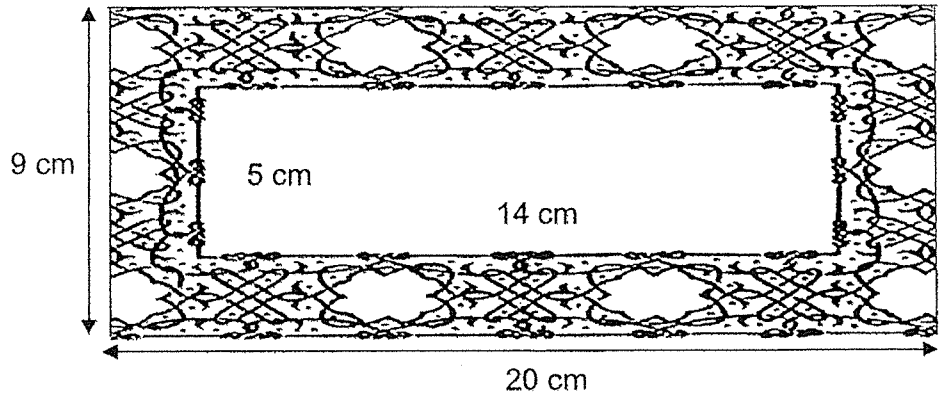


Ans: _____

33. $\frac{3}{8}$ of Elle's magnets is 24. How many magnets does she have?

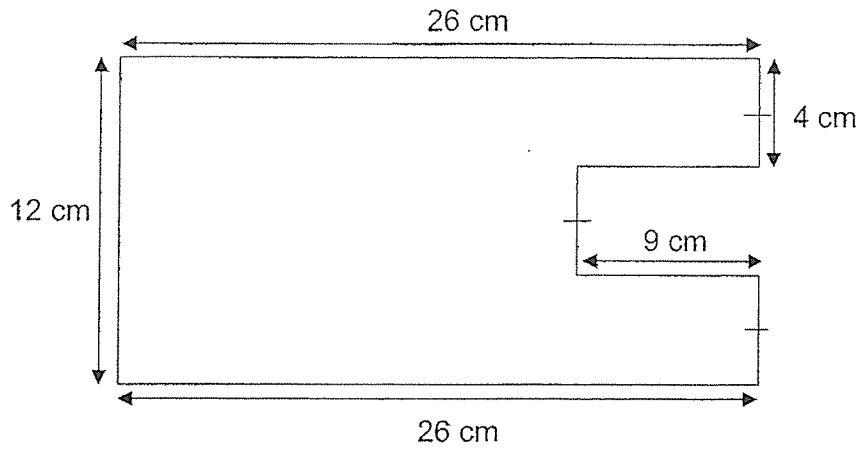
Answer : _____

34. A picture measuring 14 cm by 5 cm is mounted on a cardboard leaving some shaded border around it. Find the area of the shaded border.



Ans: _____ cm^2

35. Find the perimeter of the figure below.



Ans: _____ cm

SECTION C - Problem Sums (30 Marks)

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

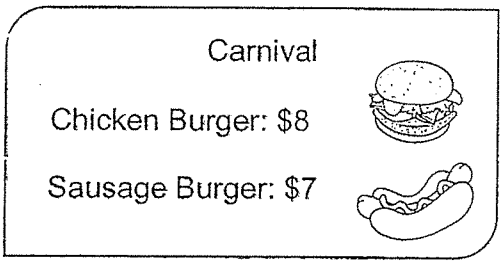
36. Mrs Ong has 2776 stamps. She kept 368 stamps for herself and gave away the rest to a group of friends. Each friend received 8 stamps. How many friends did she give the stamps?

Answer : _____ [3]

37. Charles walked $\frac{3}{4}$ km to reach his home. Steve walked $\frac{1}{3}$ km further to reach his home. What was the total distance both boys walked?
(Leave your answer as a fraction)

Answer : _____ [3]

38. During a carnival, John collected $4032 from the sale of chicken burgers and $6874 from sausage burgers. How many more sausage burgers than chicken burgers were sold?



Answer : _____ [4]

39. Peter and John had the same amount of money at first. After Peter spent $156 and John spent $12, John had 4 times as much as money left as Peter.
How much did John had at first?

Answer : _____ [4]

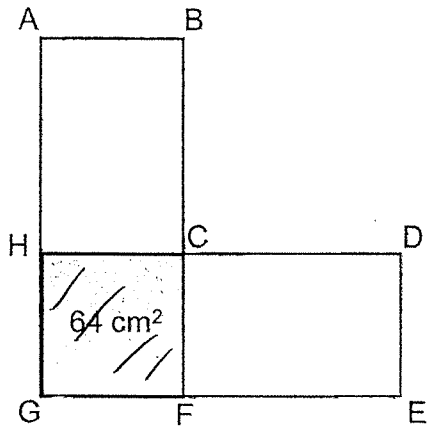
40. Mary had 374 pens and pencils. After she sold $\frac{1}{4}$ of the pens and 108 pencils, she had an equal number of pens and pencils left. How many pens did she have at first?

Answer : _____ [4]

41. Mrs Tan invited her friends to her party. Her friends either brought 2 or 3 children with them to the party. There were 12 more friends who brought 3 children than those who brought 2 children. The total number of children at the party was 91. How many of Mrs Tan's friends brought 3 children to the party?

Answer : _____ [4]

42. In the figure below rectangles ABFG and DEGH are identical. The area of each rectangle ABFG and DEGH is 176 cm^2 and the shaded square CFGH has an area of 64 cm^2. Find the perimeter of the rectangle DEGH.



Answer : _____ [4]

43. $\frac{1}{4}$ of the bottle is filled with orange juice. After Andrew refilled with 800 ml of orange juice, it became $\frac{7}{12}$ full. Find the capacity of the bottle in term of ml.

Answer : _____ [4]

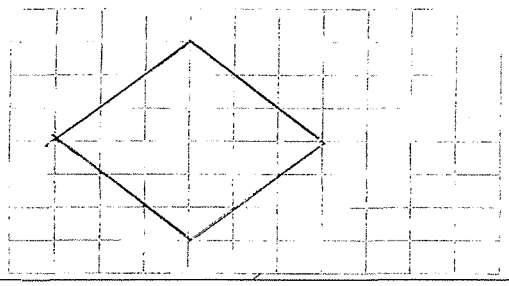
End – of – Paper

YEAR : 2022
LEVEL : PRIMARY 4
SCHOOL : ANGLO CHINESE SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM. : SEMESTRAL ASEESMENT 1

(BOOKLET A)

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

(BOOKLET B)

Q16	97 000 + 2 = 97 002
Q17	2789, 2798, 2879, 2897
Q18	$2\frac{5}{8}$
Q19	406 x 9 = 3654 3654 + 4 = 3658
Q20	$2\frac{5}{6}$
Q21	36
Q22	143°
Q23	$\frac{7}{10}, \frac{2}{5}, \frac{3}{8}$
Q24	27 ÷ 9 = 3 3 + 3 = 6
Q25	$4 = \frac{40}{10}$ $\frac{40}{10} + \frac{9}{10} = \frac{49}{10}$ $= 4\frac{9}{10}$ = 49
Q26	397 x 17 = 6749
Q27	a) Hospital b) 90° clockwise
Q28	6 x 6 = 36 $\frac{3}{4} = \frac{27}{30}$ 27 – 10 = 17
Q29	

Q30	3 and 9
Q31	37 x 25 = 925 37 – 10 = 21 25 – 13 = 12 21 x 12 = 252 925 – 252 = 673cm^2
Q32	16 ÷ 2 = 8 8 x 8 = 64 64 x 7 = 448cm^2
Q33	24 ÷ 328 8 x 8 = 64
Q34	20 x 9 = 180 14 x 5 = 70 180 – 70 = 110cm^2
Q35	26 + 26 = 52 12 + 12 = 24 52 + 24 = 76 9 + 9 = 18 76 + 18 = 94cm

ANSWER KEY

YEAR : 2022
LEVEL : PRIMARY 4
SCHOOL :
SUBJECT : MATHEMATICS
TERM : PROBLEM SUMS

SECTION C

Q36	2776 – 368 = 2408 2408 ÷ 8 = 301	Q37	$\frac{3}{4}+\frac{3}{4}+\frac{1}{3}=\frac{9}{12}+\frac{9}{12}+\frac{4}{12}$ $=\frac{22}{12}$ $=1\frac{10}{12}$ $=1\frac{5}{6}$
Q38	Number of chicken burger = 4032 ÷ 8 = 504 Number of sausage burger = 6874 ÷ 7 = 982 982 – 504 = 478	Q39	3u → 156 – 12 = 144 1u → 144 ÷ 3 = 48 John → 48 x 4 + 12 = 192 + 12 = $204
Q40	7u + 180 = 374 7u → 374 – 108 = 266 1u → 266 ÷ 7 = 38 Pens = 38 x 4 = 152	Q41	23 x 3 = 69 11 x 2 = 22 Ans: 23
Q42	Area of CDEF = 176 – 64 = 112 Breath of CDEF = 64 ÷ 8 = 8 Length of CDEF = 112 ÷ 8 = 14 Length of DEGH = 14 + 8 = 22 Perimeter of DEGH = (22 + 8) x 2 = 60cm	Q43	4u → 800 1u → 800 ÷ 4 = 200 Capacity of bottle = 200 x 12 = 2400

END