ST. JOSEPH'S INSTITUTION JUNIOR
END-OF-YEAR EXAMINATION
2024
PRIMARY FOUR

MATHEMATICS

Name : _____ ( ) Date : 24 October 2024

Class : Primary 4 _____

Parent's Signature :

43 Questions
100 Marks

Instructions to candidates

- Do not open this booklet until you are told to do so.
- Read all instructions carefully.
- You have **1 hour 45 minutes** to answer all the questions.

SECTION	MARKS	
	POSSIBLE	ACTUAL
A	30	
B	40	
C	30	
TOTAL	100	

Section A: 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) and shade your answer on the Optical Answer Sheet.

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1. The value of the digit 6 in 48 630 is _____.

   (1) 60

   (2) 600

   (3) 6000

   (4) 60 000

2. Which of the following are common factors of 9 and 18?

   (1) 1 and 18

   (2) 2 and 3

   (3) 3 and 6

   (4) 3 and 9

3. Find the product of 1485 and 3.

   (1) 495

   (2) 1488

   (3) 3245

   (4) 4455

4. There are 40 students in each class.
The table below shows the number of students who do not wear spectacles in each class.

Number of students who do not wear spectacles	Classes			
	4A	4B	4C	4D
	30	31	26	35

Which class has twice as many students as class 4D who wear spectacles?

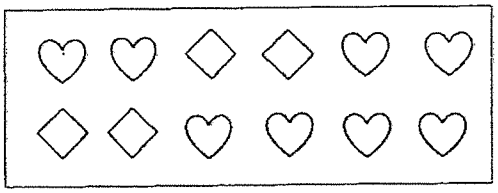
(1) 4A

(2) 4B

(3) 4C

(4) 4D

5. What fraction of the shapes are ♡ ?



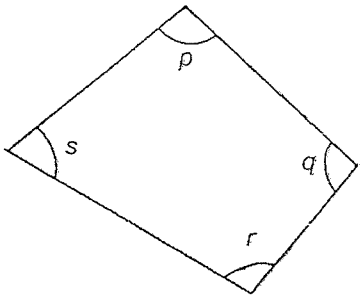
(1) $\frac{8}{12}$

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

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

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

6. Which angle is smaller than a right angle?



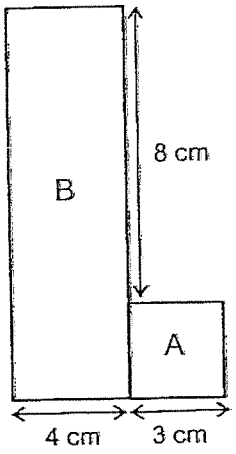
(1) ∠p

(2) ∠q

(3) ∠r

(4) ∠s

7. The figure shown is made up of a square A of side 3 cm and a rectangle B with breadth 4 cm. What is the length of the rectangle?



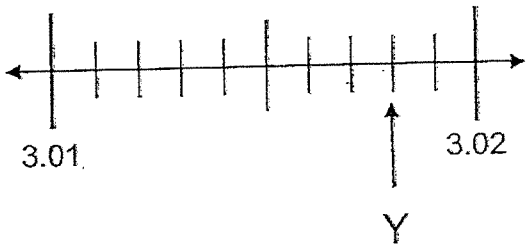
(1) 7 cm

(2) 8 cm

(3) 11 cm

(4) 12 cm

8. Which decimal is represented by Y in the number line?



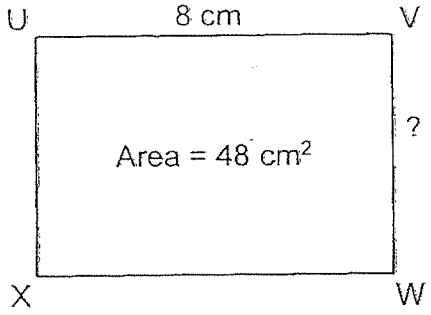
(1) 3.013

(2) 3.018

(3) 3.058

(4) 3.08

9. The area of the rectangle UVWX is 48 cm^2. The length of UV is 8 cm. Find the length of VW.



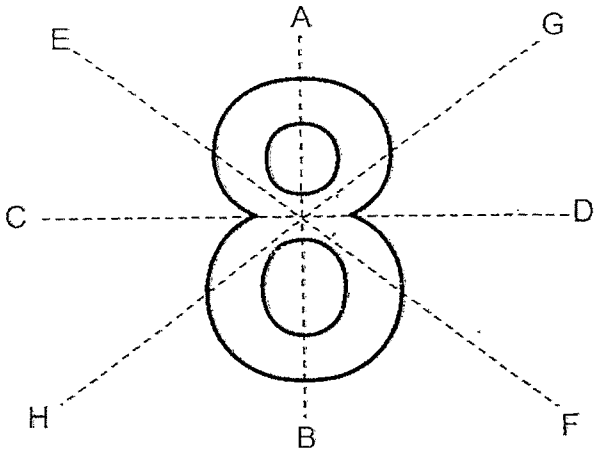
(1) 56 cm

(2) 40 cm

(3) 16 cm

(4) 6 cm

10. Which of these dotted lines is a line of symmetry of the number 8?



(1) AB

(2) CD

(3) EF

(4) GH

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

	(smallest)				*(greatest)*
(1)	17 420	,	17 204	,	17 024
(2)	17 024	,	17 420	,	17 204
(3)	17 204	,	17 024	,	17 420
(4)	17 024	,	17 204	,	17 420

12. Complete the number pattern.

50 970 , 50 973 , 50 976 , ____?____ , ____?____ , 50 985

(1) 50 977 , 50 978

(2) 50 977 , 50 984

(3) 50 979 , 50 980

(4) 50 979 , 50 982

13. What is $\frac{3}{4}$ of 24?

(1) 30

(2) 18

(3) 8

(4) 6

14. Find the value of $\frac{6}{8} - \frac{1}{2}$.

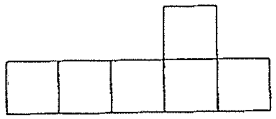
(1) $\frac{5}{6}$

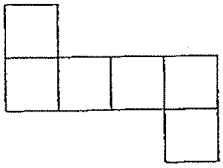
(2) $\frac{7}{10}$

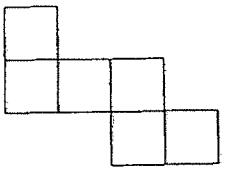
(3) $\frac{5}{8}$

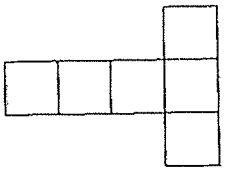
(4) $\frac{1}{4}$

15. Which of the following nets cannot be folded to form a cube?

(1) 

(2) 

(3) 

(4) 

Section B: 40 marks

Questions 16 to 35 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.

16. Write twenty thousand, four hundred and eleven in numerals.

Ans : _____

17. Round 72 650 to the nearest hundred.

Ans : _____

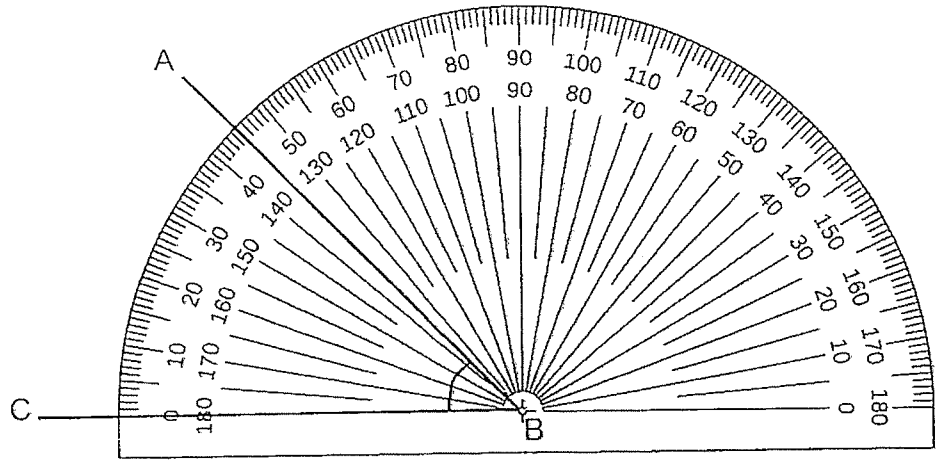
18. What is the remainder when 2046 is divided by 9?

Ans : _____

19. Write $2\frac{5}{7}$ as an improper fraction.

Ans : _____

20. Measure ∠ABC.



Ans : _____ °

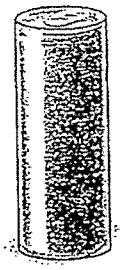
21. Round 56.75 to 1 decimal place.

Ans : _____

22. 23 – 1.85 = _____

Ans : _____

23. Name the geometric figure of the object below.



Ans : _____

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

14 060 , 14 010 , 13 910 , 13 860 , _____ , 13 710 , 13 610

Ans : _____

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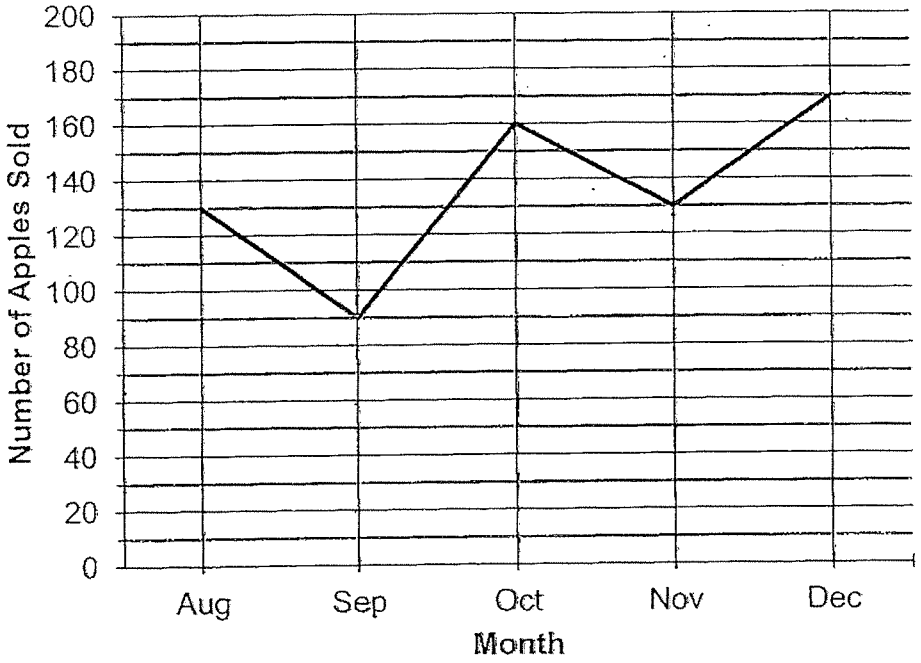
25. Some factors of 24 are 1, 3, 4, 6, 8 and 24.
What are the other two factors of 24?

Ans : _____ and _____

6

26. The line graph shows the number of apples sold at a fruit stall from August to December. The number of apples sold was recorded at the end of every month.



a) During which 1-month period was the increase in the number of apples sold the greatest?

b) What is the difference between the number of apples sold in August and December?

Ans : a) _____ to _____

b) _____

27. $5\frac{1}{2} = \frac{\square}{10}$

What is the missing number in the box?

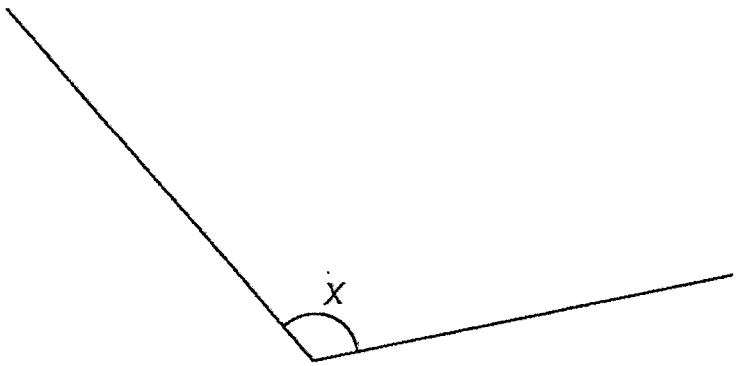
Ans : _____

28. What is the sum of $\frac{1}{3}$ and $\frac{3}{4}$?

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

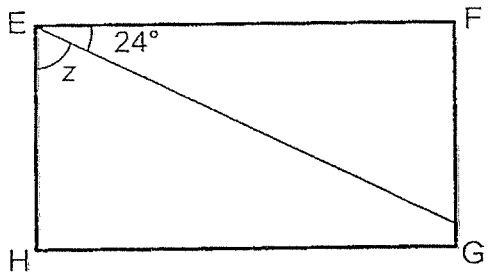
Ans : _____

29. Measure and write down the size of $\angle x$.



Ans : $\angle x$ = _____ °

30. EFGH is a rectangle. Find $\angle z$.



Ans : _____ °

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31. Arrange the following from the smallest to greatest.

$$0.804 \quad , \quad 0.084 \quad , \quad \frac{4}{5}$$

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

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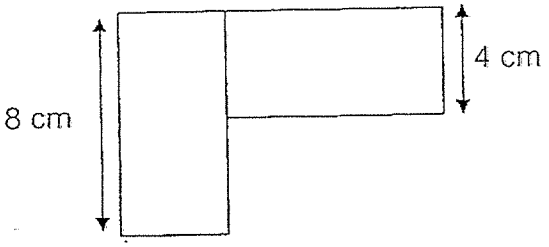
32. Express 0.43 as a fraction.

Ans : _____

6

33. The figure is made up of 2 identical rectangles. What is the perimeter of the figure?



Ans : _____ cm

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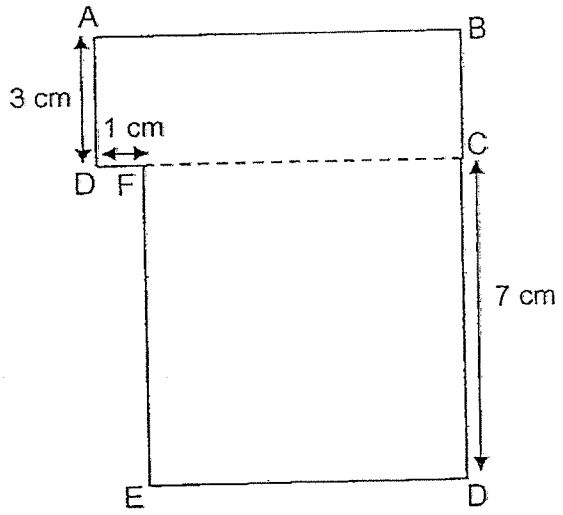
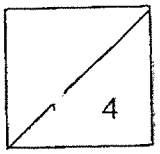
34. The figure below is made up of a rectangle, ABCD and a square, CDEF.

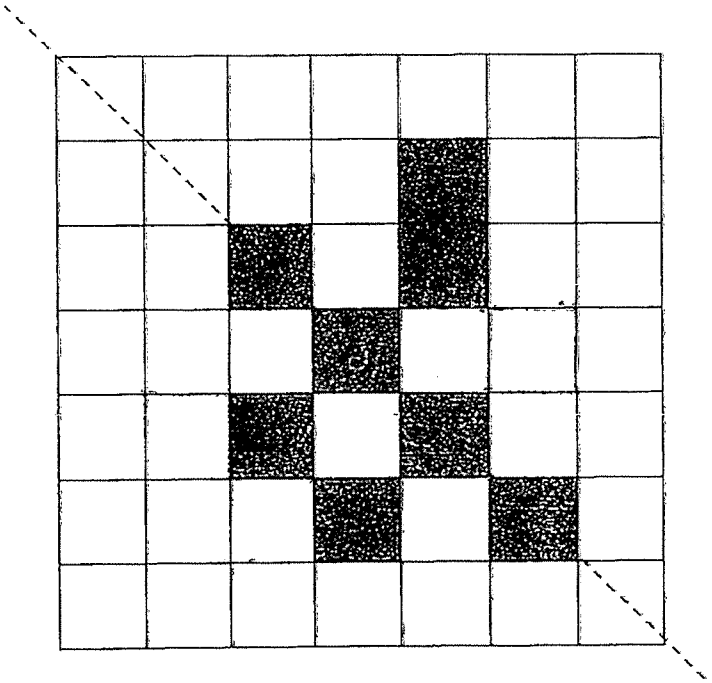
Find the area of the figure.



Ans : _____ cm^2



35. The figure is made up of identical squares. Shade **two** more squares to form a symmetric figure with the dotted line as the line of symmetry.



2

Section C: 30 marks

Questions 36 and 37 carry 3 marks each. Questions 38 to 43 carry 4 marks each. Write your equations and show your working clearly. Write your answers in the spaces provided. The number of marks available is shown in the brackets [ ] at the end of each question or part-question.

36. Every month, Xavier gives $650 to his father. He gives thrice the amount to his mother. How much money does he give to his parents per month?

Working

Ans : _____ [3]

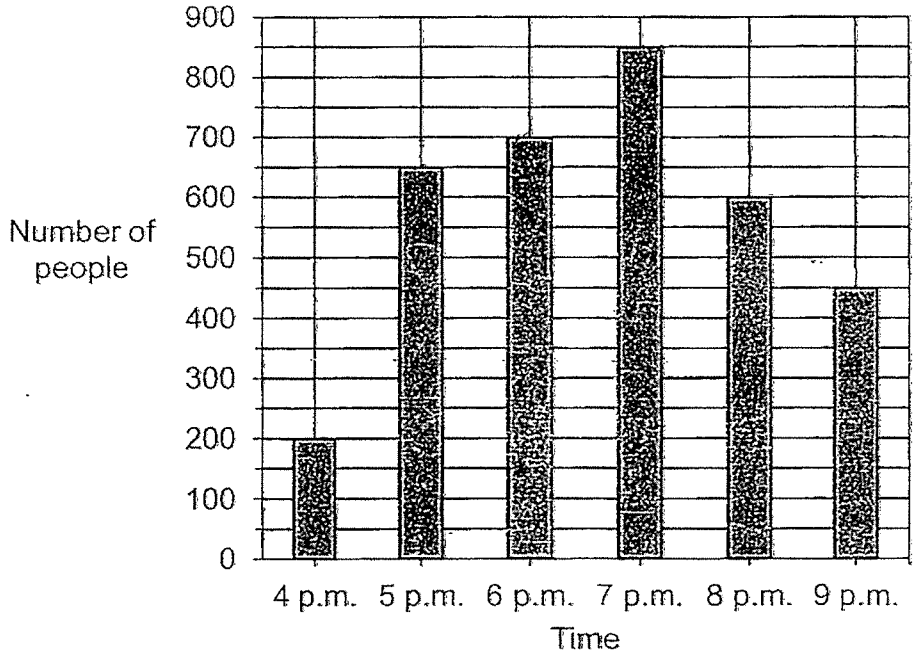
37. A bookshop owner has 3095 pens. He wanted to pack all the pens into bags. A bag can pack at most 6 pens. What was the least number of bags he needed?

Working

Ans : _____ [3]

38. The graph below shows the number of people in a shopping mall on one of the evenings.

Working



(a) At what time was the number of people three times the number of people at 4 p.m.?

(b) How many more people were there at 7 p.m. than at 5 p.m.?

Ans : (a) _____ [2m]

(b) _____ [2m]

39. There are 112 children at an indoor playground.

$\frac{3}{8}$ of them are girls and the rest are boys.

a) How many boys are there?

b) How many fewer girls than boys are there?

Working

Ans : (a) _____ [2m]

(b) _____ [2m]

4

40. Mrs Gopal bought $\frac{9}{10}$ kg of flour. She bought $\frac{3}{5}$ kg less of sugar than flour.

(a) What was the mass of sugar Mrs Gopal bought?

(b) How much flour and sugar did Mrs Gopal buy?
Give your answer in the simplest form.

Working

Ans : (a) _____ [2m]

(b) _____ [2m]

4

41. The cost of 3 identical ties and 2 identical belts cost $168.50. Each belt cost $21.50 more than a tie. How much did each belt cost?

Working

Ans : _____ [4]

42. Some lampposts were placed along a stretch of road at equal distances apart, starting from the beginning of the road. The distance between the third and eighth lamppost was 45 m.

a) What was the distance between the first and fourth lamppost?

b) The stretch of road was 8136 m long. How many lampposts were placed from the beginning to the end of that stretch of road?

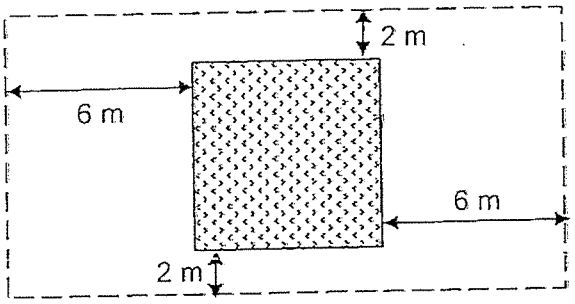
Working

Ans : (a) _____ [2m]

(b) _____ [2m]

4

43. A gardener wanted to surround his garden with a rectangular fence as shown in the figure below. The area of the garden is 64 m^2. How much did the gardener pay if 1-metre of fence cost $8?

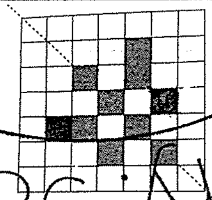


Working

Ans : _____ [4m]

YEAR : 2024
LEVEL : PRIMARY 4
SCHOOL : ST.JOSEPH'S INSTITUTION JUNIOR
SUBJECT : MATHEMATICS
TERM : END OF YEAR EXAMINATION

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

Q16	20411	Q17	72700
Q18	3	Q19	$\frac{19}{7}$
Q20	45°	Q21	56.8
Q22	21.15	Q23	cylinder
Q24	13760	Q25	2 and 12
Q26	a) September to October b) 170-130=40	Q27	55
Q28	$\frac{9}{12}+\frac{4}{12}=\frac{13}{12}=1\frac{1}{12}$	Q29	120
Q30	90-24=66°	Q31	0.084,$\frac{4}{5}$,0.804
Q32	$\frac{43}{100}$	Q33	8+4=12 8x2=16 12x2=24 24+16=40
Q34	8x3=24 7x7=49 49+24=73	Q35	
Q36	650x4=2600	Q37	$3095 \div 6 = 515R5$ 515+1=516
Q38	a)200x3=600 Ans:8pm b)850-650=200 Ans: 200	Q39	a)$112 \div 8 = 14$ 14x5=70 Ans:70 b)14x3=42 70-42=28 Ans:28

Q40	a) $\frac{9}{10}-\frac{6}{10}=\frac{3}{10}$ $Ans: \frac{3}{10}$ $b) \frac{9}{10}+\frac{3}{10}=1\frac{1}{5}$ $Ans: 1\frac{1}{5}$	Q41	21.5x3=64.5 168.5+64.5=233 $233 \div 5 = 46.6$
Q42	a) $45 \div 5 = 9$ 4-1=3 9x3=27 Ans: 27 b) $8130 \div 9 = 904$ 904+1=905	Q43	$\sqrt{64} = 8$ 6+6+8=20 2+2+8=12 20+12x2=64 64x8=512

2
END