THIRD MID TERM TEST - 2025
Standard - VI
THENI

MATHS

Time: 1.30 hrs   Marks:50

I Choose the correct Answer: 5x1=5

1. If $\dfrac{6}{7} = \dfrac{A}{49}$, then the value of A is

   a) 42   b) 36   c) 25   d) 48

2. The reciprocal of $\dfrac{45}{74}$ is

   a) $\dfrac{45}{74}$ b) $1\dfrac{29}{74}$ c) $\dfrac{74}{45}$ d) $1\dfrac{74}{29}$

3. One unit to the right of -7 is _____
   a) +1   b) -8   c) -7   d) -6

4. A square shaped park has 40m as its perimeter, then the length of its side is _____
   a) 20m   b) 10m   c) 8m   d) 5m

5. Which of the following does not have a line of symmetry?
   a) V   b) Q   c) T   d) W

II Fill in the blanks   5x1=5

6. The number which has its own reciprocal is _____
7. _____ is less than every positive integer but greater than every negative integer.
8. In a rectangle the opposite sides are _____ in length.
9. _____ is an integer which is neither positive nor negative.
10. _____ shape has infinite number of symmetry lines.

III Say true or false   5x1=5

11. The reciprocal of a improper fraction is always a proper fraction.
12. -10 and 10 are at equal distance from 1.
13. The opposite number of -100 is +100.
14. The length of the boundary of any closed shape is called perimeter.
15. An equilateral triangle has three lines of symmetry.

IV Match the following:-   5x1=5

16. Area of a square	-	No line of symmetry
17. Area of a rectangle	-	one line of symmetry
18. Area of a triangle	-	length x breadth
19. Isosceles triangle	-	side x side
20. Parallogram	-	½ x base x height

V   Answer any five of the following: 5x2=10

21. Find the sum of $\frac{1}{7}$ and $\frac{3}{9}$

22. Multiply : $\frac{3}{8} \times \frac{4}{5}$

23. Write all the integers between -3 and 3.

24. Put appropriate signs as >, < or = in the box.
   i) -8 ☐ -7   ii) -999 ☐ -1000
   iii) -111 ☐ -111   iv) 0 ☐ -200

25. Find the area of a rectangle of length 12m and breadth 10m.

26. Find the perimeter of a scalence triangle with sides 7m, 8m and 10m.

27. Draw the line of symmetry for a square and rectangle.

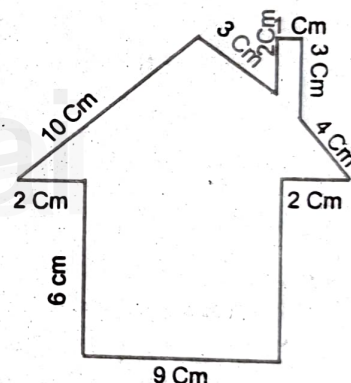**VI   Answer any five of the following:**   5x3=15

28. An oil tin contains 3¾ litres of oil of which 2½ litres of oil is used. How much oil is left over?

29. A rod of length 6m is cut into small rods of length 1½m each. How many small rods can be cut?

30. Arrange the following integers in ascending order.
   -15, 0, -7, 12, 3, -5, 1, -20, 25, 18

31. Mark the numbers 4, -3, 6, -1 and -5 on the number line.

32. Find the Perimeter of the given figure.

(figure: house shape with sides labelled 1 Cm, 3 Cm, 3 Cm, 4 Cm, 10 Cm, 2 Cm, 2 Cm, 6 cm, 9 Cm)

33. A field is in the shape of a right angled triangle whose base is 25m and height 20m. Find the cost of levelling the field at the rate of Rs.45 per sq.m².

34. Find the perimeter and the area of a right angled triangle whose sides are 6 feet, 8 feet and 10 feet.

VII   Answer any one of the following: 1x5=5

35. Complete the table using the following hints.
   C_1 : First number of the Natural numbers.
   C_2 : Opposite of -5 is _____
   C_3 : 4 units right to -7
   C_4 : The number neither positive nor negative.
   C_5 : 10kg below normal weight.
   C_6 : A gain of Rs.100

C_1	C_2	C_3
C_4	C_5	C_6

36. Find the alphabets in the box which have
   i) No line of symmetry.
   ii) One line of symmetry.
   iii) Two lines of symmetry.
   iv) Many lines of symmetry.

A	M	P	E	D
I	K	O	N	X
S	H	U	V	W
Z	Y	T	J	F

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