THIRD MID TERM TEST - 2025

Standard - VI

Time: 1.30 hrs   **MATHS**   **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 __1__
7. __0__ is less than every positive integer but greater than every negative integer.
8. In a rectangle the opposite sides are __Equal__ in length.
9. __0__ is an integer which is neither positive nor negative.
10. __Circle__ 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. **T**
12. -10 and 10 are at equal distance from 1. **F**
13. The opposite number of -100 is +100. **T**
14. The length of the boundary of any closed shape is called perimeter. **T**
15. An equilateral triangle has three lines of symmetry. **T**

IV Match the following:-
5x1=5

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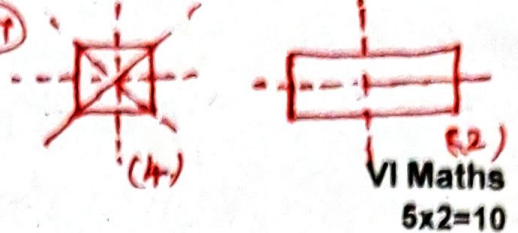17. Area of a rectangle   -   one line of symmetry **19**
18. Area of a triangle   -   length x breadth **17**
19. Isosceles triangle   -   side x side **16**
20. Parallogram   -   ½ x base x height **18**

V Answer any five of the following: 5×2=10

21. Find the sum of $\frac{1}{7}$ and $\frac{3}{9}$ $\frac{1}{7}+\frac{3}{9} = \frac{9+21}{63} = \frac{30}{63} = \frac{10}{21}$

22. Multiply : $\frac{3}{8} \times \frac{4}{5}$ = $\frac{3}{2} \times \frac{1}{5} = \frac{3}{10}$

23. Write all the integers between -3 and 3. $-2, -1, 0, 1, 2$

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. $A = l \times b = 12 \times 10 = 120 m$

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. $P = a+b+c$
$= 7+8+10 = 25 m$

VI Answer any five of the following: 5×3=15

28. An oil tin contains 3¾ litres of oil of which 2½ litres of oil is used. How much oil is left over? $3\frac{3}{4} - 2\frac{1}{2} = 1\frac{1}{4}$ litre

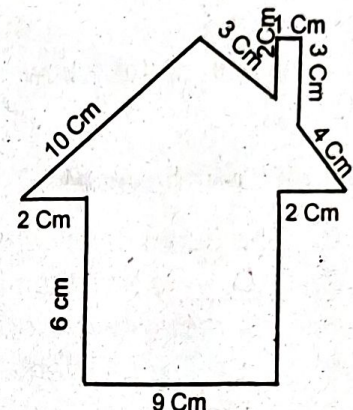29. A rod of length 6m is cut into small rods of length 1½m each. How many small rods can be cut? $6 \div \frac{3}{2} = 6 \times \frac{2}{3} = 4$

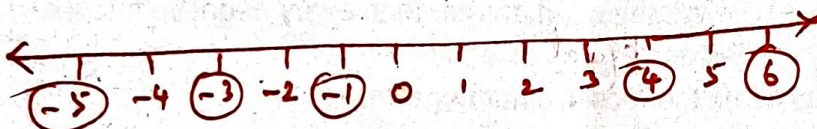30. Arrange the following integers in ascending order.
    -15, 0, -7, 12, 3, -5, 1, -20, 25, 18

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

32. Find the Perimeter of the given figure. $= 48 Cm$

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$-20, -15, -7, -5, 0, 1, 3, 12, 18, 25$

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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. $P = 6+8+10 = 24$ feet $A = \frac{1}{2} bh = \frac{1}{2} \times 6 \times 8 = 24$ sq. feet

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

35. Complete the table using the following hints.
    C_1 : First number of the Natural numbers. → 1
    C_2 : Opposite of -5 is __5__
    C_3 : 4 units right to -7 → -3
    C_4 : The number neither positive nor negative. → 0
    C_5 : 10kg below normal weight. → -10
    C_6 : A gain of Rs.100 → +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. P, N, S, Z, F, J
    ii) One line of symmetry. A, M, E, D, K, U, V
    I, X, H ← iii) Two lines of symmetry. I, •, X, H T, W
    O ← iv) Many lines of symmetry. D   Y

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

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Area of triangle $= \frac{1}{2} b \times h$ Cost of levelling field
$= \frac{1}{2} \times 25 \times 20$ $= 250 \times 45$
$= 250 m^2$ $= 11250$