

Standard - VI

Time: 1.30 hrs

MATHS

Marks:50

5x1=5

I Choose the correct Answer:

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

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

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

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

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

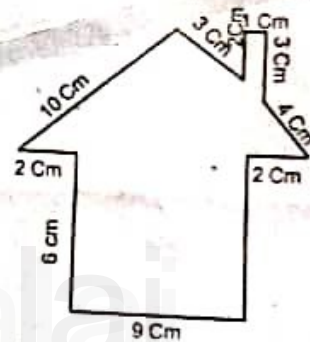
- |                         |   |                               |
|-------------------------|---|-------------------------------|
| 16. Area of a square    | - | No line of symmetry           |
| 17. Area of a rectangle | - | one line of symmetry          |
| 18. Area of a triangle  | - | length x breadth              |
| 19. Isosceles triangle  | - | side x side                   |
| 20. Parallelogram       | - | $\frac{1}{2}$ x base x height |

V Answer any five of the following: (2)

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:

28. An oil tin contains  $3\frac{3}{4}$  litres of oil of which  $2\frac{1}{2}$  litres of oil is used. How much oil is left over? 5x3=15
29. A rod of length 6m is cut into small rods of length  $1\frac{1}{2}$ m 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.



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.m<sup>2</sup>.
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:

35. Complete the table using the following hints. 1x5=5
- $C_1$  : 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

$C_1$	$C_2$	$C_3$
$C_4$	$C_5$	$C_6$

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	F	D
L	K	O	N	X
S	H	U	V	W
Z	Y	T	J	F