VILLUPURAM DIST.

Class : 7

Register Number [ ][ ][ ][ ][ ][ ]

FIRST TERM - SUMMATIVE ASSESSMENT(SA) - 2024-25

MATHEMATICS

Time Allowed : 2.00 Hours]   PART - I   [Max. Marks :60

I. **Choose the correct Answer.**   10x1=10

1. 20 + (-9) + 9 = _____
    (a) 20   (b) 29   (c) 11   (d) 38

2. (-200) ÷ 10 is _____
    (a) 20   (b) -20   (c) -190   (d) 210

3. The angle between the diagonals of a rhombus is
    (a) 120°   (b) 180°   (c) 90°   (d) 100°

4. The numerical co-efficient of -7mn is
    (a) 7   (b) -7   (c) p   (d) -p

5. The solution of 3x+5 = x+9 is _____
    (a) 2   (b) 3   (c) 5   (d) 4

6. The addition of 3mn, -5mn 8mn and -4mn is _____
    (a) mn   (b) -mn   (c) 2mn   (d) 3mn

7. If the cost of 3 books is ₹.90, then find the cost of 12 books
    (a) ₹.300   (b) ₹.320   (c) ₹.360   (d) ₹.400

8. 12 Cows can graze a field in 10 days. 20 Cows can graze the same field for ---- days
    (a) 15   (b) 18   (c) 6   (d) 8

9. A straight angle measures _____
    (a) 45°   (b) 90°   (c) 180°   (d) 100°

10. A line which intersects two or more lines in different points is known as _____
    (a) parallel lines   (b) transversal   (c) non-parallel lines   (d) intersecting line

II. **Fill in the Blanks.**   5x1=5

11. -52 + (-52) = _____

12. Area of Paralleogram is _____

13. The constant term of the expression of 2y-6 is _____

14. If the cost of 8 apples is ₹.56, then the cost of 12 apples is _____

15. An angle that measure 0° is called _____

III. **Match the following.**   5x1=5

16. ½ x b x h   -   a) Trapezium

17. a x a   -   b) Parallelogram

18. b x h   -   c) Square

19. ½ (d₁ x d₂)   -   d) Right angle Triangle

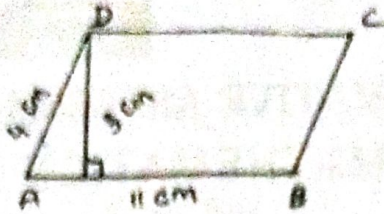20. ½ x h (a+b)   -   e) Rhombus

PART - II

10x2=20

IV. **Answer any 10 questions.**

21. Add 10 and -15 using number line?

22. Multiply: (-25) x 0 x 45 x 90.

23. One of the sides and the corresponding height of the parallelogram are 12m and 8m respectively. Find the area of the paralleogram?

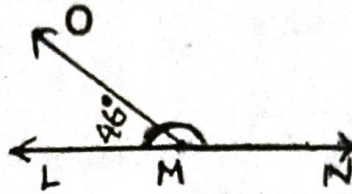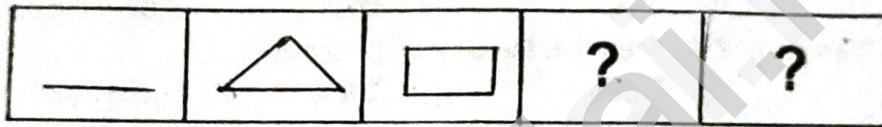24. Find the area of a rhombus. Whose base is 14cm and height is 9cm?

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25. Find the perimeter of the parallelogram.

26. Find the numerical co-efficient   (i)   -3yx   (ii)   -x
27. Add: 7p + 6q; 5p - q; q + 16p.
28. Solve: x + 5 = 8.
29. If 15 chart papers together weight 50 grams, how many of the same type will be there in a pack of 2½ kilogram?
30. Which of the following pair of adjacent angles will make a linear pair?
    i)   89°, 91°   ii)   105°, 65°
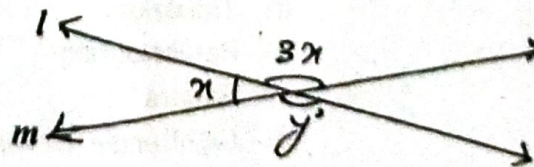31. Find the missing angle.

32. Complete the given sequence.

PART - III

V.   **Answer any 5 of the following questions.**   5x3=15

33. Chitra has ₹.150. She wanted to buy a bag which cost ₹.225. How much money does she need to borrow from her friend?
34. The product of two integers is -135. If one number is -15. Find the other integer?
35. Find the height 'h' of the parallelogram whose area and base are 368 sq.cm and 23 cm respectively.
36. Simplify: 100x + 99y - 98z + 10x + 10y + 10z - x - y + z.
37. If x=2 and y=3 find the value of   (i)   2x-3y   (ii)   x+y
38. If half a meter of cloth costs ₹.15. Find the cost of $8\frac{1}{3}$ meters of the same cloth?
39. If the cost of a dozen Soaps is ₹.396 what will be the cost of 35 such soaps?
40. Find the value of x° and y° in figure?

PART - IV

VI.   **Answer the following.**   1x5=5

41. Construct the angle 60° using ruler and compass only.
42. Construct a perpendicular bisector of the line segment AB = 6 cm.

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