FMM

FIRST MID TERM TEST - 2024

7 - Std

MATHS

Time : 1.30 Hrs.

MARKS : 50

I Choose the best answer.   5 X 1 = 5

1. 60 + (-50)
   a) 110   b) -110   c) 10   d) -10

2. Additive inverse of 7 is
   a) 0   b) -1   c) -7   d) 7

3. (-12) × (-9)
   a) 108   b) -108   c) +1   d) -1

4. The area of a parallelogram whose base 10m and height 7m is
   a) 70 sq.m   b) 35 sq.m   c) 7 sq.m   d) 10 sq.m

5. When the non parallel sides of a trapezium are equal then it is known as   a) a square
   b) a rectangle c) a parallelogram d) an isosceles trapezium

II Fill in the blanks.   5 x 1 = 5

6. (-5) - (-18) = ...

7. (-25) × 0 × 45 × 90 = ...

8. The angle between the diagonals of a rhombus is ....

9. Area of a trapezium is ....

10. The sum of all angles at a point it ....

III Say true or false.   5 x 1 = 5

11. (-17) × 10 = 170.

12. (-65) ÷ (-65) = 1.

13. Area of a rhombus = d_1 × d_2 sq.units.

14. The corner of the A4 paper has acute angle.

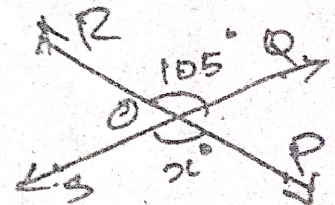15. Vertically opposite angles are equal.

IV Match the following.   5 x 1 = 5

16. Additive identity   -   60°
17. Parallelogram   -   120°
18. Rhombus   -   1
19. Acute angle   -   all sides equal
20. Obtuse angle   -   bh sq.units.

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V   Answer the following.   10 x 2 = 20

21. Add the following integers using number line 8 and –12.
22. Add : 20 + (–72).
23. Are (–42) x (–7) and (–7) and (–42) equal. Mention the property.
24. Find the product of (–10) x 12 x (–9)
25. The product of two integers is –135. If one number is –15. Find the other integer.
26. Subtract (–18) from (–30).
27. Find the height of the parallelogram whose area and base are 368 sq.cm and 23cm respectively.
28. Find the area of a rhombus whose diagonals are 8cm and 16cm.
29. Find the area of a trapezium whose parallel sides are 24cm and 20cm and the distance between them is 15cm.
30. Which of the following pair of adjacent angles will make a linear pair. i)89°, 91° ii) 117°, 62°.
31. One angle of a linear pair is a right angle. What can you say about the other angles.

32. From the given figure find the missing angle.

VI   Answer the following.   any 2   2 x 5 = 10
33. Mention the property for the following equations.
    i) (–45) + (–12) = –57 ii) 0 + (–7245) = –7245
    iii) (–7) + (–5) = (–5) + (–7).
    iv) (–7) + [(–4) + (–3)] = [(–7) + (–4)] + (–3)
    v) 3 x [(–4) + 6] = [(3X– 4) + (3 x 6)].
34. The area of a trapezium is 492 sq.cm. If the lengths of its parallel sides are 13cm and 28cm. Find its height.
35. Find the value of x° for the following.

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