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Tamilnadu Board

# Mid-Term Exam Question Paper

2024



FMM

# 7 - Std FIRST MID TERM TEST - 2024

## 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) x (−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) x 0 x 45 x 90 = .....
8. The angle between the diagonals of a rhombus is .....90.....
9. Area of a trapezium is ..... .
10. The sum of all angles at a point it ....360..... .

**III Say true or false.** 5 x 1 = 5

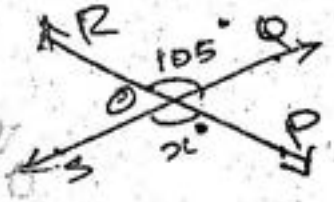
11. (−17) x 10 = 170 F
12. (−65) ÷ (−65) = 1. T
13. Area of a rhombus = $d_1 \times d_2$ sq.units.
14. The corner of the A4 paper has acute angle. T
15. Vertically opposite angles are equal. T

**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

## V Answer the following.

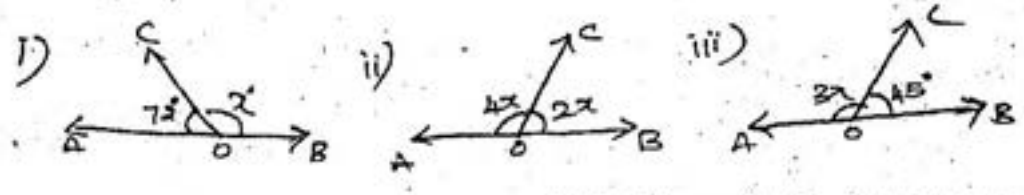
21. Add the following integers using number line 8 and -12.
22. Add : 20 + (−72).
23. Are (−42) x (−7) and (−7) and (−42) equal. Mention the property.
24. Find the product of (-10) x 12 x (-9)
25. The product of two integers is -135. If one number is -15. Find the other integer.
26. Subtract (−18) from (-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. 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 $x^o$ for the following.

i) ii) iii)



SIVANANDHA K. M.A. B.Ed
GHS SANDHANAPALLI
KELAMANGALAM Block
KRISHNAGIRI district

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