Nishant eAcademy

CBSE Sample Paper Class 7 Mathematics 2023-24

Subject: Mathematics Class: 7 Maximum Marks: 80 Duration: 2 hours

Section A: Multiple Choice Questions (1 mark each)

1. The value of $5^2 + 3 \times 4$ is: (a) 49 (b) 29 (c) 53 (d) 25

2. The product of 7 and 8 is: (a) 56 (b) 14 (c) 64 (d) 15

3. The HCF of 16 and 24 is: (a) 4 (b) 8 (c) 6 (d) 12

Section B: Short Answer Questions (2 marks each)

4. Solve the equation: $3x - 7 = 8$.

5. Find the area of a rectangle with length 12 cm and width 6 cm.

6. Simplify: $2 \times (4 + 3) \div 5$.

Section C: Long Answer Questions (3 marks each)

7. A shopkeeper sold a television for Rs. 12,000, making a profit of 20%. Find the cost price of the television.

8. The perimeter of a square is 32 cm. Find its side length.

9. A school has 480 students. If the ratio of boys to girls is 5:3, how many girls are there in the school?

Section D: Application-Based Questions (5 marks each)

10. A cylindrical tank has a diameter of 4 meters and a height of 6 meters. Find its volume (in cubic meters) and also find the amount of water it can hold (in liters).

11. The ratio of the angles of a triangle is 3:4:5. Find the measures of the angles.