



Nishant eAcademy

CBSE Sample Paper Class 6 Mathematics 2022-23

Subject: Mathematics Class: 6

Time: 3 hours Maximum Marks: 80

Note:

1. All questions are compulsory.
2. The question paper consists of 35 questions divided into four sections: A, B, C, and D.
3. Section A contains 10 one-mark questions, Section B contains 10 two-marks questions, Section C contains 10 three-marks questions, and Section D contains 5 five-marks questions.
4. Write the answers neatly and clearly.

Section A: (1 mark each)

1. Find the product of 12 and 7.
2. Write the successor of 246.
3. Which number is greater: 0.9 or 0.99?
4. Express $\frac{3}{5}$ as a decimal.
5. What is the place value of 4 in the number 4,825?
6. What is the missing number: $7 \times 8 = 56 \div \underline{\hspace{2cm}}$.
7. Identify the obtuse angle from the following options: 40° , 90° , 120° .
8. What is the smallest prime number?
9. Simplify: $2 + 3 \times 4$.
10. What is the square of 9?

Section B: (2 marks each) 11. Subtract 1.63 from 3.45.

12. Evaluate: $24 \div 8 + 3 \times 5$.
13. A shopkeeper sold 25 toys on Monday and 17 toys on Tuesday. How many toys did the shopkeeper sell in total?
14. Find the perimeter of a rectangle with length 7 cm and breadth 4 cm.
15. The temperature at 8:00 AM was -3°C . It increased by 5°C during the day. What was the temperature at 2:00 PM?



16. Calculate the value of 7 squared minus 5 squared.
17. What is the sum of the smallest 3-digit number and the largest 2-digit number?
18. A bag contains 12 red balls and 8 green balls. What is the ratio of red balls to green balls?
19. Write the Roman numeral representation of the number 49.
20. Find the value of 'x' in the equation: $3x + 5 = 20$.

Section C: (3 marks each) 21. Find the area of a square with a side length of 6 cm.

22. Divide 2,840 by 4 and express the quotient as a mixed number.
23. The cost of 1 pen is Rs. 12. What will be the cost of 8 pens?
24. A train travels a distance of 480 km in 6 hours. What is its speed?
25. If the sum of two angles is 90° and one angle is 50° , find the other angle.
26. Simplify: $(2 + 3) \times (4 + 5)$.
27. Draw a line segment AB of length 8 cm. Mark a point P on AB such that $AP = 3$ cm. Measure and write the length of PB.
28. Subtract $\frac{3}{4}$ from $\frac{2}{3}$ and simplify the result.
29. Find the area of a rectangle with length 15 m and breadth 9 m.
30. The ratio of boys to girls in a class is 3:2. If there are 25 boys, find the number of girls in the class.

Section D: (5 marks each) 31. Solve: $4x + 7 = 31$.

32. A car travels a distance of 390 km in 6 hours. Find its speed in m/s.
33. The perimeter of a triangle is 40 cm. If two sides measure 12 cm and 15 cm, find the length of the third side.
34. In a school, there are 560 students. If the ratio of boys to girls is 4:3, find the number of boys and girls.
35. A shopkeeper purchased 30 watches at Rs. 200 each and sold them at Rs. 250 each. Find the profit made by the shopkeeper.