



Nishant eAcademy

CBSE Sample Paper Class 6 Mathematics 2023-24

Subject: Mathematics Class: 6 Time: 3 hours Maximum Marks: 80

General Instructions:

1. All questions are compulsory.
2. The question paper consists of two sections: A and B.
3. Section A contains 20 multiple-choice questions, each carrying 1 mark.
4. Section B contains 10 long answer questions, each carrying 4 marks.
5. Write the question number before attempting each question.
6. Show all your working clearly.
7. Use of calculators is not permitted.
8. Write the answers neatly and legibly.

Section A: Multiple Choice Questions

1. Which of the following is a prime number? (a) 12 (b) 13 (c) 14 (d) 15
2. 5 multiplied by 3 is equal to: (a) 8 (b) 15 (c) 10 (d) 2
3. The sum of the angles of a triangle is: (a) 180 degrees (b) 90 degrees (c) 360 degrees (d) 45 degrees
4. 48 divided by 6 is equal to: (a) 6 (b) 12 (c) 8 (d) 4
5. The smallest prime number is: (a) 1 (b) 2 (c) 3 (d) 4
6. $7 \times 5 + 10 - 2 \times 3$ is equal to: (a) 34 (b) 40 (c) 31 (d) 39
7. What is the place value of 9 in the number 19,546? (a) Tens (b) Thousands (c) Hundreds (d) Units
8. 0.4 written as a fraction is: (a) $\frac{4}{10}$ (b) $\frac{2}{5}$ (c) $\frac{1}{5}$ (d) $\frac{3}{8}$
9. Which of the following is a composite number? (a) 1 (b) 2 (c) 3 (d) 4
10. The number 765 rounded off to the nearest tens is: (a) 760 (b) 770 (c) 750 (d) 780
11. 6 multiplied by 0 is equal to: (a) 6 (b) 0 (c) 1 (d) 12
12. What is the value of 8^2 ? (a) 64 (b) 16 (c) 32 (d) 4
13. Which of the following is a composite figure? (a) Triangle (b) Square (c) Circle (d) Rectangle
14. The number of sides in a pentagon is: (a) 4 (b) 6 (c) 5 (d) 7



15. The number 45 is divisible by: (a) 2 and 3 (b) 3 and 5 (c) 4 and 5 (d) 2 and 5
16. The perimeter of a square with a side length of 8 cm is: (a) 32 cm (b) 16 cm (c) 64 cm (d) 24 cm
17. Which of the following is an odd number? (a) 12 (b) 16 (c) 9 (d) 10
18. The number of vertices in a cube is: (a) 6 (b) 12 (c) 8 (d) 4
19. The product of 7 and 5 is equal to: (a) 12 (b) 35 (c) 57 (d) 50
20. The LCM of 6 and 8 is: (a) 24 (b) 12 (c) 16 (d) 48

Section B: Long Answer Questions

21. Solve the following equation: $3x + 5 = 20$
22. Find the perimeter of a rectangle with length 12 cm and width 8 cm.
23. Simplify the following expression: $4 \times (2 + 3) - 6$
24. Divide 625 by 25.
25. Find the area of a square with side length 6 cm.
26. Write the Roman numeral for the number 50.
27. If the sum of two angles is 90 degrees and one angle measures 40 degrees, find the measure of the other angle.
28. Calculate the mean of the numbers 2, 4, 6, 8, 10.
29. A shopkeeper bought 8 boxes of chocolates. Each box contained 24 chocolates. How many chocolates did the shopkeeper buy in total?
30. Convert the fraction $\frac{3}{5}$ into a decimal.