Nishant eAcademy
CBSE Sample Paper Class 6 Mathematics 2021-22

Subject: Mathematics Duration: 2 hours Maximum Marks: 80

Section A: Multiple Choice Questions (15 marks)

Instructions:

1. This section contains 15 multiple-choice questions.

2. Choose the correct option and write the corresponding letter in the answer sheet provided.

3. What is the place value of the digit 5 in the number 8,509? a) Ones b) Tens c) Hundreds d) Thousands

4. Which of the following is a prime number? a) 10 b) 15 c) 17 d) 20

5. 4 × 7 + 5 × 3 = ? a) 11 b) 33 c) 38 d) 44

6. Which fraction is equivalent to 3/5? a) 2/4 b) 4/6 c) 6/8 d) 9/10

7. Which of the following shapes has four sides of equal length? a) Triangle b) Rectangle c) Pentagon d) Hexagon

8. What is the area of a square with side length 6 cm? a) 12 sq. cm b) 18 sq. cm c) 24 sq. cm d) 36 sq. cm

9. 72 ÷ 9 = ? a) 7 b) 8 c) 9 d) 10

10. 3.4 + 1.2 = ? a) 4.6 b) 4.8 c) 4.9 d) 5.1

11. 5 km = _____ m. a) 50 b) 500 c) 5,000 d) 50,000

12. Which of the following numbers is divisible by both 2 and 3? a) 16 b) 21 c) 36 d) 49

13. What is the product of 9 and 8? a) 17 b) 63 c) 72 d) 81

14. The time is 3:30 pm. What will be the time after 4 hours? a) 5:30 pm b) 7:30 pm c) 8:30 pm d) 9:30 pm

15. 12 cm is equal to _____ mm. a) 1,200 b) 1,020 c) 120 d) 12

16. What is the missing number in the pattern: 2, 5, 8, __, 14? a) 9 b) 10 c) 11 d) 12

17. The perimeter of a square is 20 cm. What is its side length? a) 2 cm b) 4 cm c) 5 cm d) 8 cm

Section B: Short Answer Questions (25 marks)

Instructions:

1. This section contains 10 short answer questions.

2. Answer all the questions briefly and concisely.

3. Each question carries 2.5 marks.

4. Simplify the expression: 4 × (3 + 2) - 6

5. Write the next three numbers in the pattern: 7, 14, 21, __, __, __

6. Find the sum of 7, 13, 19, and 25.

7. Find the perimeter of a rectangle with length 8 cm and width 5 cm.

8. If a bookshelf has 5 rows of books and each row has 8 books, how many books are there in total?

9. Subtract 3/4 from 7/8.

10. A box contains 48 chocolates. If there are 6 chocolates in each row, how many rows are there in the box?

11. Calculate the area of a triangle with base 6 cm and height 4 cm.

12. Find the LCM of 12 and 15.

13. What is the value of 5 × 3 + 2 × 6?

Section C: Long Answer Questions (40 marks)

Instructions:

1. This section contains 5 long answer questions.

2. Answer all the questions in detail.

3. Each question carries 8 marks.

4. The perimeter of a square is 32 cm. Find its side length and area.

5. Raju bought 3 toys for Rs. 85 each and 4 books for Rs. 50 each. Calculate the total amount of money he spent.

6. Divide 144 apples equally among 12 baskets. How many apples will be there in each basket?

7. A bag contains 12 red marbles, 8 blue marbles, and 10 green marbles. If a marble is drawn at random from the bag, what is the probability of getting a green marble?

8. The ratio of the number of boys to the number of girls in a class is 3:5. If there are 48 students in the class, how many girls are there?