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## CBSE Sample Paper Class 6 Mathematics 2019-20

Subject: Mathematics Class: 6 Maximum Marks: 80 Duration: 2 hours

Section A: Multiple Choice Questions (1 mark each)

1. Which of the following is a prime number? a) 12 b) 15 c) 17 d) 20
2. Which of the following is a factor of 24? a) 6 b) 9 c) 12 d) 15
3. The place value of 5 in 359.41 is: a) ones b) tens c) hundreds d) thousandths
4. The product of 25 and 4 is: a) 29 b) 100 c) 75 d) 1000
5. Which of the following is the smallest fraction? a)  $\frac{3}{4}$  b)  $\frac{1}{2}$  c)  $\frac{5}{8}$  d)  $\frac{2}{3}$

Section B: Short Answer Questions (2 marks each)

6. Find the LCM of 12 and 18.
7. Subtract 3.25 from 5.43.
8. Solve:  $\frac{2}{5} \times 15 = ?$
9. A rectangle has a length of 8 cm and a width of 5 cm. Find its perimeter.
10. If the cost of one pen is Rs. 12, how much will 8 pens cost?

Section C: Long Answer Questions (3 marks each)

11. A bag contains 48 red marbles and 32 blue marbles. If a marble is drawn at random, what is the probability of getting a red marble?
12. A train covers a distance of 420 km in 6 hours. What is its speed?
13. Simplify:  $6 - (4 + 2) \times 3$
14. The perimeter of a square is 20 cm. Find its area.
15. Divide 276 by 12 and express the quotient as a mixed number.

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

16. The cost of 6 books is Rs. 390. Find the cost of one book.
17. A shopkeeper bought 10 dozen pencils. If one dozen pencils cost Rs. 120, find the total cost of all the pencils.
18. The length of a rectangular garden is 15 meters more than its width. If the perimeter is 70 meters, find the dimensions of the garden.



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19. A school has 320 students. If the ratio of boys to girls is 3:5, find the number of boys and girls in the school.
20. A square plot of land has an area of 441 square meters. Find its perimeter.

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