

Board –CBSE	Class – 6 th	Topic – Prime and Composite Numbers
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Section A – Multiple Choice Questions (1 mark each)

- Q1. Which number has exactly three distinct divisors?
(A) 4 (B) 6 (C) 9 (D) 12
- Q2. How many prime numbers are there between 70 and 90?
(A) 4 (B) 5 (C) 6 (D) 7
- Q3. The smallest odd composite number is:
(A) 4 (B) 6 (C) 9 (D) 10
- Q4. Identify the twin prime pair below 100:
(A) 29 & 31 (B) 27 & 29 (C) 31 & 33 (D) 30 & 32
- Q5. Which composite number is even and has exactly 6 factors?
(A) 12 (B) 14 (C) 18 (D) 20

Section B – Short Answer Questions (2 marks each)

- Q6. Find the prime factorisation of 210.
- Q7. List all odd composite numbers less than 50.
- Q8. How many prime numbers are there between 20 and 60?

Section C – Short Answer Questions (3 marks each)

- Q9. Find the sum of all twin primes less than 100.
- Q10. Find the smallest 3-digit prime number whose digits are all prime.

Section D – Long Answer Questions (4 marks each)

- Q11. Find the maximum gap between two consecutive prime numbers up to 100 and list them.
- Q12. Express 120 as a sum of two twin-prime pairs.