

Subject: Mathematics

Class: 5

Topic: Prime and Composite Numbers

Levels: Basic, Intermediate, Advanced

Level: Basic

1. A number that has only two factors (1 and itself) is called a _____ number.
2. Is the number 7 a Prime or Composite number? Answer: _____
3. List all factors of 10: _____.
4. The smallest prime number is _____.
5. The only even prime number is _____.
6. Circle the composite numbers: 2, 4, 5, 9, 11, 15 (? Use ? to mark them).
7. True or False: The number 1 is neither prime nor composite. [_____]
8. How many factors does the number 13 have? _____
9. Write the next prime number after 11: _____
10. A number with more than two factors is called a _____ number.

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Level: Intermediate

1. Find the sum of the first three prime numbers: _____
2. Rohan has ? 17. Is 17 a prime or composite number? _____
3. Write all prime numbers between 10 and 20: _____
4. Which of these is a composite number? (a) 19 (b) 23 (c) 25 (d) 31. Answer: _____
5. Find the prime factorization of 12 using ? symbols: $2 \times 2 \times 3 = 12$.
6. Is the number 21 prime? If not, list its factors: _____
7. True or False: All odd numbers are prime numbers. [_____]
8. What is the largest 1-digit composite number? _____
9. Express 10 as the sum of two prime numbers: _____ + _____ = 10
10. Aarav says 27 is prime because it is odd. Is he correct? (Yes/No): _____

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1. Two prime numbers with a difference of 2 are called Twin Primes. Example: (3, 5). Find another pair:

2. Find the smallest prime number greater than 50: _____
3. Total number of prime numbers between 1 and 50 is _____.
4. Identify the composite number among these: 97, 89, 91, 83. Answer: _____
5. Is $(2^2 \times 3)$ a prime or composite number? Answer: _____
6. Priya wants to divide 47 chocolates equally among her friends. Can she do it without leftovers (more than 1 chocolate per person)? _____
7. Find the prime factors of 100 using a factor tree. Write them here: _____
8. If ? represents a prime number and ? represents a composite number, label 49: [_____]
9. Which number is the only prime number ending in 5? _____
10. Challenge: Find the sum of all prime numbers between 20 and 30. Answer: _____