

Number Theory Essentials

Mathematics · Practice Test · 8 Questions

1. Which of the following numbers is defined as a prime number?

- A) 1
- B) 2
- C) 9
- D) 15

2. What is the greatest common divisor (GCD) of 12 and 18?

- A) 2
- B) 3
- C) 6
- D) 9

3. Which of these numbers is a perfect square?

- A) 10
- B) 20
- C) 30
- D) 49

4. What is the smallest composite number?

- A) 1
- B) 2
- C) 3
- D) 4

5. A number is divisible by 5 if it ends in which digits?

- A) 0 or 5
- B) 1 or 5
- C) 2 or 5
- D) 3 or 5

6. What is the result of 2 raised to the power of 3?

- A) 5
- B) 6
- C) 8
- D) 9

7. Which of the following is an example of an odd number?

- A) 12
- B) 24
- C) 37
- D) 48

8. What is the sum of the first three prime numbers?

- A) 6
- B) 8
- C) 10
- D) 12