

Number Theory Essentials

Mathematics · Answer Key · 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