

# Elementary Number Theory Facts

Number Theory · Practice Test · 18 Questions

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**1. Which of these numbers is a prime number?**

- A) 6
- B) 9
- C) 7
- D) 10

**2. What is the smallest even number greater than 1?**

- A) 0
- B) 1
- C) 2
- D) 4

**3. Which number is a factor of both 12 and 18?**

- A) 4
- B) 6
- C) 8
- D) 10

**4. What is the first multiple of 5 that is greater than 20?**

- A) 21
- B) 25
- C) 30
- D) 35

**5. A number that can be divided exactly by 2 is called:**

- A) Odd
- B) Prime
- C) Composite
- D) Even

**6. How many factors does the number 10 have?**

- A) 2
- B) 3
- C) 4
- D) 5

**7. Which of these numbers is NOT a prime number?**

- A) 11
- B) 13
- C) 15
- D) 17

**8. What is the greatest common factor (GCF) of 8 and 12?**

- A) 2
- B) 3
- C) 4
- D) 6

**9. Which number is a multiple of 7?**

- A) 13
- B) 20
- C) 28
- D) 32

**10. The number 1 is:**

- A) Prime
- B) Composite
- C) Neither prime nor composite
- D) Both prime and composite

**11. Which number has factors 1, 2, 5, and 10?**

- A) 8
- B) 12
- C) 15
- D) 10

**12. What is the smallest composite number?**

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

**13. If a number ends in 0 or 5, it is divisible by:**

- A) 2
- B) 3
- C) 5
- D) 10

**14. What is the least common multiple (LCM) of 3 and 4?**

- A) 7
- B) 10
- C) 12
- D) 24

**15. Which of these numbers is an odd number?**

- A) 14
- B) 17
- C) 22
- D) 30

**16. A number that has more than two factors is called:**

- A) Prime
- B) Even
- C) Odd
- D) Composite

**17. The number 2 is:**

- A) Odd
- B) Composite
- C) Prime
- D) Neither prime nor composite

**18. What is the sum of the first two prime numbers?**

- A) 3
- B) 4
- C) 5
- D) 7