

# Elementary Number Theory Fundamentals

Number Theory · Practice Test · 25 Questions

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**1. Which of the following numbers is an even number?**

- A) 7
- B) 13
- C) 22
- D) 31

**2. What is the smallest prime number?**

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

**3. Which of these numbers is a multiple of 5?**

- A) 12
- B) 25
- C) 33
- D) 47

**4. A number that has only two factors, 1 and itself, is called a:**

- A) Composite number
- B) Prime number
- C) Odd number
- D) Square number

**5. What is the result of multiplying any whole number by 0?**

- A) The number itself
- B) 1
- C) 0
- D) The number plus 1

**6. Which of these is a composite number?**

- A) 2
- B) 3
- C) 4
- D) 7

**7. What is the next number in the sequence 2, 4, 6, 8, ...?**

- A) 9
- B) 10
- C) 12
- D) 14

**8. Which number is a factor of 12?**

- A) 5
- B) 7
- C) 8
- D) 3

**9. What do you call numbers that end in 1, 3, 5, 7, or 9?**

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

**10. Which of these numbers is a square number?**

- A) 8
- B) 9
- C) 10
- D) 12

**11. What is the sum of 15 and 0?**

- A) 0
- B) 15
- C) 1
- D) 150

**12. Which number is neither prime nor composite?**

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

**13. What is the product of 3 and 4?**

- A) 7
- B) 10
- C) 12
- D) 14

**14. Which number is a multiple of 10?**

- A) 15
- B) 20
- C) 25
- D) 35

**15. An even number added to an even number always results in:**

- A) An odd number
- B) An even number
- C) A prime number
- D) A negative number

**16. Which of these is the largest single-digit prime number?**

- A) 5
- B) 7
- C) 8
- D) 9

**17. If you divide 20 by 4, what is the quotient?**

- A) 4
- B) 5
- C) 6
- D) 24

**18. Which digit is in the units place of 47?**

- A) 4
- B) 7
- C) 47
- D) 0

**19. A number that can be divided by 2 without a remainder is:**

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

**20. What is the first square number after 1?**

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

**21. How many factors does the number 7 have?**

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

**22. Which number is a common factor of 6 and 9?**

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

**23. Every even number greater than 2 is:**

- A) Prime
- B) Composite
- C) Odd
- D) A multiple of 5

**24. What is 2 multiplied by itself?**

- A) 2
- B) 4
- C) 6
- D) 8

**25. Which of these is an odd number?**

- A) 10
- B) 22
- C) 34
- D) 45