

Elementary Number Theory Facts

Number Theory · Answer Key · 18 Questions

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