

Elementary Number Theory Fundamentals

Number Theory · Answer Key · 25 Questions

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**