

Elementary Number Theory Basics

Number Theory · Answer Key · 25 Questions

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

- A) 3
- B) 7
- C) 10**
- D) 15

2. What is the smallest prime number?

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

3. Which number is a factor of every whole number?

- A) 0
- B) 1**
- C) 2
- D) 10

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

- A) 9
- B) 10**
- C) 11
- D) 12

5. A number that is not even is called:

- A) Prime
- B) Composite
- C) Odd**
- D) Factor

6. Which of these is a multiple of 3?

- A) 5
- B) 7
- C) 9**
- D) 11

7. How many factors does the number 6 have?

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

8. Which number is divisible by 5 without any remainder?

- A) 12
- B) 23
- C) 30**
- D) 41

9. Which of the following is a prime number?

- A) 4
- B) 6
- C) 9
- D) 11**

10. What is the sum of the first two odd numbers (1 and 3)?

- A) 3
- B) 4**
- C) 5
- D) 6

11. Which number is the result of 7 multiplied by 3?

- A) 10
- B) 17
- C) 21**
- D) 28

12. Which number is the smallest multiple of 4?

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

13. How can you tell if a number is odd?

- A) It ends in 0 or 2
- B) It ends in 1, 3, 5, 7, or 9**
- C) It is divisible by 2
- D) It has only two factors

14. Which of the following is a factor of 12?

- A) 5
- B) 7
- C) 8
- D) 4**

15. What is the number that comes immediately after 99?

- A) 98
- B) 100**
- C) 101
- D) 110

16. Which number is NOT a prime number?

- A) 7
- B) 13
- C) 15**
- D) 19

17. What is the largest single-digit even number?

- A) 6
- B) 7
- C) 8**
- D) 9

18. Which number is a multiple of both 2 and 3?

- A) 4
- B) 5
- C) 6**
- D) 7

19. If you divide 10 by 2, what is the remainder?

- A) 0**
- B) 1
- C) 2
- D) 5

20. Which of the following numbers has exactly two factors: 1 and itself?

- A) 4
- B) 8
- C) 10
- D) 11**

21. What is the product of 5 and 5?

- A) 10
- B) 20
- C) 25**
- D) 30

22. Which number is divisible by 10?

- A) 15
- B) 25
- C) 30**
- D) 35

23. Which of the following numbers is an odd number?

- A) 22
- B) 34
- C) 46
- D) 57**

24. What is the smallest number that has 3 as a factor?

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

25. Which number is a factor of 18?

- A) 5
- B) 7
- C) 9**
- D) 11