

MCQ on Factors of a Number

1. What are factors of a number?

- a) Prime numbers
- b) Divisible numbers
- c) Whole numbers
- d) Numbers that divide the given number without leaving a remainder

2. Which of the following is NOT a factor of 12?

- a) 1
- b) 2
- c) 4
- d) 5

3. How many factors does the number 18 have?

- a) 2
- b) 4
- c) 6
- d) 8

4. What is the greatest common factor of 24 and 36?

- a) 2
- b) 4
- c) 6
- d) 12

5. What is the smallest prime factor of 35?

- a) 1
- b) 5
- c) 7
- d) 11

6. If a number has exactly three factors, what type of number is it?

- a) Prime number
- b) Composite number
- c) Odd number
- d) Even number

7. Which of the following numbers is a perfect square?

- a) 25
- b) 32
- c) 49
- d) 50

8. What are the factors of 48?

- a) 1, 2, 3, 4, 6, 8, 12, 24, 48
- b) 1, 2, 4, 8, 16, 32, 64
- c) 1, 3, 9, 16, 27, 48
- d) 2, 4, 8, 12, 16, 24, 48

9. If a number has an odd number of factors, which of the following is true?

- a) It is a prime number
- b) It is a perfect square
- c) It is an even number
- d) It is divisible by 5

10. What is the sum of the factors of 10?

- a) 5
- b) 10
- c) 15
- d) 20



MCQ on Factors of a Number

- Which of the following is a factor of all positive integers?
a) 0 b) 1 c) 2 d) 10
- What is the greatest common factor of 15 and 25?
a) 3 b) 5 c) 10 d) 15
- Which of the following numbers has exactly two factors?
a) 13 b) 16 c) 9 d) 11
- What is the smallest positive integer with exactly 6 factors?
a) 6 b) 12 c) 24 d) 30
- If a number has only two factors, what is it called?
a) Prime number
b) Composite number
c) Even number
d) Odd number
- What is the least common multiple of 4 and 6?
a) 8 b) 12 c) 24 d) 36
- How many factors does the number 64 have?
a) 4 b) 6 c) 8 d) 12
- What is the product of the prime factors of 28?
a) 7 b) 14 c) 28 d) 56
- Which of the following numbers is both a prime number and a factor of 24?
a) 2
b) 3
c) 5
d) 7
- What is the largest factor of any integer?
a) 0
b) 1
c) The integer itself
d) 2

