Prime and Composite Numbers

Prime and composite numbers are the two types of numbers, that differ based on the number of factors they have.

Prime Numbers: A prime number is the one which has exactly two factors, which means, it can be divided by only "1" and itself. But "1" is not a prime number.

Example of Prime Number: 5 is a prime number because 5 can be divided by only two number's i.e. 1 and 5 itself.

- 5/1 = 5
- 5/5 = 1

In the same way, 2, 3, 7, 11, 13, 17 are prime numbers.

Composite Numbers: A composite number has more than two factors, which means apart from getting divided by the number 1 and itself, it can also be divided by at least one integer or number. We don't consider '1' as a composite number.

Example of Composite Number: 12 is a composite number because it can be divided by 1, 2, 3, 4, 6 and 12. So, the number '12' has 6 factors.

- 12/1 = 12
- 12/2 = 6
- 12/3 = 4
- 12/4 = 3
- 12/6 = 2
- 12/12 = 1