Common Factors

Each number can have more than 1 factor. When we compare the factors of two or more numbers, we may find some factors common to both/all the numbers. These factors are called **common factors**.

Let us understand with an Example:

Example: Find all the factors of 12 and 18. Also find the common factors.

Solution: Factors of 12 Factors of 18

1 × 12 = 12	1 × 18 = 18
2 × 6 = 12	2 × 9 = 18
3 × 4 = 12	3 × 6 = 18

So, the factors of 12 = 1, 2, 3, 4, 6 and 12

And factors of 18 = 1, 2, 3, 6, 9 and 18

The common factors of 12 and 18 are 1, 2, 3 and 6