## **Highest Common Factor (HCF)**

The highest or greatest common factor of two numbers is known as **HCF**.

Let us understand with an Example:

**Example:** Find the HCF of 12 and 18.

**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

Therefore, the HCF of 12 and 18 is 6.