Factors

We all know that when two or more numbers are multiplied. We get the product.

Do you know that the numbers having multiplied are the factors of the product?

Example 1: $8 \times 5 = 40$

So, 8 and 5 are the factors of 40. Also, on dividing the number by another. If the remainder is zero (0) then the quotient and divisor are called the factors of the dividend.

Example 2: $45 \div 9 = 5$

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So, 9 and 5 are the factors of 45

Hence, we can say that a factor of a number divides the number completely without a remainder.

Let us understand with an example:

Example: Find the factors of 24.

Solution: To find the factors of 24

$12 \times 2 = 24$ $\qquad$ $6 \times 4 = 24$ $\qquad$ $3 \times 8 = 24$

So, the factors of 24 are 1, 2, 3, 4, 6, 8, 12 and 24.