



## PUBLIC SCHOOL DARBHANGA

SESSION (2020-21)

CLASS-V

MATHEMATICS

FACTORS

**Factors:** The numbers that are multiplied to give a product are called factors.

e.g.,

$$\begin{array}{ccc} \downarrow & \times & \downarrow \\ 43 & & 15 \\ \downarrow & & \downarrow \\ \text{Factor} & & \text{Factor} \end{array} = \begin{array}{c} \downarrow \\ 645 \\ \text{Product} \end{array}$$

Factors divide the number exactly (i.e., without leaving a remainder.) So, factors are also called divisors.

1 is a factor of every number, and every number is a factor of itself.

1 is the smallest factor of a number and the number itself is its greatest factor.

The factor of a number is less than or equal to the number.

Every number (except 1) has at least 2 factors - 1 and the number itself.

The factors or divisors that are common to two or more numbers are called their common factors.

e.g., Factors of 4 are (1), (2), 4. Factors of 6 are (1), (2), 3, 6.

∴ Common factors of 4 and 6 are 1, 2.