

COMMON FACTORS

What Is a Factor?

$$5 \times 4 = 20 \rightarrow 5 \text{ and } 4 \text{ are } \mathbf{FACTORS}$$

Factors are two numbers multiplied together to get a product (an answer to a multiplication problem).

Example:

Factors of 18 \rightarrow 1, 2, 3, 9, 18

($1 \times 18 = 18$, $2 \times 9 = 18$, $3 \times 6 = 18$, $9 \times 2 = 18$, $18 \times 1 = 18$)



Factors of

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($1 \times 12 = 12$)

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$12 \times 1 =$

A **common factor** is a factor of two or more numbers.

- Two numbers may have more than ONE common factor.

Factors of 18 \rightarrow **1, 2, 3**, 9, 18

Factors of 12 \rightarrow **1, 2, 3**, 4, 6, 12

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

Finding the greatest common factor of two numbers:

The **greatest common factor** of two numbers is the **LARGEST** number that two or more numbers have in common.

Factors of 18 → 1, 2, **3**, 9, 18

Factors of 12 → 1, 2, **3**, 4, 6, 12

The **GRE**



PREVIEW

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