

Concept Development

A common factor of two numbers is a **factor** both numbers **share**.

The greatest common factor (GCF) of two numbers is the **largest factor** both numbers **share**.

Find the Greatest Common Factor

Factors	12: 1, 2, 3, 4, 6, 12 18: 1, 2, 3, 6, 9, 18
Common Factors	1, 2, 3, 6
Greatest Common Factor (GCF)	6

Not the Greatest Common Factor of 12 and 18

1, 2, or 3

CFU

The following are factors of 12 and 16.

12: 1, 2, 3, 4, 6, 12

16: 1, 2, 4, 8, 16

What are the common factors of 12 and 16? How do you know?

Which number is the **GCF of 12 and 16**? How do you know?

A 16 B 2 C 4 D 8

What is the difference between a common factor and the greatest common factor? "The difference between common factor and greatest common factor is _____."