

# *GREATEST COMMON FACTOR*



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## *GCF*

- The largest factor two or more numbers have in common.
- To find the **GCF** of two or more numbers, you can make a list of all the factors.

## *Make a list*



- List all of the factors of each number.
- Identify the common factors.
- The greatest of the common factors is the **GCF**.

*Make a list*

$$24 = 1, 2, 3, 4, 6, 8, 12, 24$$

$$32 = 1, 2, 4, 8, 16, 32$$

24

32

The **common factors** are:  $1 \times 24$   $1 \times 32$

1, 2, 4, 8

$2 \times 12$

$2 \times 16$

$3 \times 8$

$4 \times 8$

The **GCF** = 8

$4 \times 6$