

## Factors and Greatest Common Factor

You can find the greatest common factor of two numbers. It is the greatest factor that the two numbers have in common.

Find the greatest common factor of 9 and 15.

### STEP 1

List all the factors of each number.

9: 1, 3, 9  
than 1.

15: 1, 3, 5, 15

### STEP 2

Note the common factors.

The common factors of 9 and 15 are 1 and 3.

### STEP 3

Which factor is greater?

3 is greater

So, the greatest common factor of 9 and 15 is 3.

### Examples:

A- List the factors of each number.

1) 24: 1, 2, 3, 4, 6, 8, 12, 24

2) 35: 1, 5, 7, 35

B- Write the common factors of each pair of numbers.

3) 9 and 18

3, 9

4) 24 and 40

2, 4

5) 25 and 45

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