

Vocabulary:

Factor:	the numbers that _____ together to get another number For example: The factors of 18 are: 1, 2, 3, 6, 9, 18
(GCF) Greatest Common Factor:	is the _____ factor two or more numbers have in _____

Find all the factors of 12 and 16

12	16
1	1
2	2

List all the Common
Factors of 12 and 16

*Hint: the common factors are found in both lists.

Now try to find the factors of 15, 30, and 105

15	30	105

What are the common factors
of all three?

What is the GCF of 15, 30, and 105? _____

We use the Greatest Common Factor (GCF) when we _____ a _____ to its lowest terms.

$$\frac{12}{30} = \frac{2}{5}$$

÷ 6

To simplify a fraction to its _____ terms you have to find the _____ of both the _____ and the _____ and then _____ both of them by that number.

Date: _____

Greatest Common Factor

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Let's Practice:

Factors of 12 and 18: GCF: _____	Factors of 36 and 100: GCF: _____
Simplify : $\frac{12}{18}$	Simplify : $\frac{36}{100}$

You Try:

Factors of 15 and 25: GCF: _____	Factors of 6 and 9: GCF: _____
Simplify : $\frac{15}{25}$	Simplify : $\frac{6}{9}$

Simplify:

$$\frac{5}{10} =$$

$$\frac{42}{60} =$$