

Name: \_\_\_\_\_

## Greatest Common Factor

### Definitions

<u>Factor</u>	<u>Example:</u>
<u>GCF</u>	
<u>Strategies</u>	

### Examples:

#### Prime Factorization

1. Find the GCF of 12 and 18:

2. Find the GCF of 30 and 75:

#### Venn Diagram

1. Find the GCF of 30 and 75:

Remember: The GCF is the PRODUCT of the COMMON prime numbers

#### Ladder Method (GCF, just the left)

1. 15 and 45

2. 56 and 40

Find the GCF using any method:

1. 18, 32

2. 21, 84

3. 4, 20, 28