Name: _____

Least Common Multiple

Definitions

Multiple:	
	Example:
LCM:	
Strategies:	

Examples:

Prime Factorization

1. Find the LCM of 12 and 15:

2. Find the LCM of 30 and 75:

Venn Diagram

Steps:
1. Use the factor tree method to list the prime factors of each number.
2. Write the common prime factors in the center of the Venn diagram.
3. List the remaining prime factors in the outside circles
4. Multiply all the prime factors to get the LCM

1. Find the LCM of 30 and 75:

Remember: The LCM is the PRODUCT of ALL the prime numbers

Ladder Method (LCM, make an "L")
1. 14 and 12

2. 4, 20, and 18

Find the LCM using **any** method:

1. 8, 20

2. 8, 12, 16