NOTES: Factor Review

Goals: #1 - I can list factors of a number.

#2 - I can write the prime factorization of a number.







#3 - I can list all the common factors of the pair of numbers.

Homework: Factor Review Worksheet

Exploration #1: Work with a partner.

1. How many ways can you multiply to 42 by using only two numbers?

6×7

2×21 3×14

2. How many ways can you multiply to 17 by using only two numbers?

Notes:

Factors _____ are numbers that are multiplied together to get a product.

Examples: 42: 1, 2, 3, 6, 7, 14, 21, 42

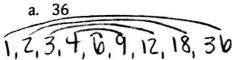
A PMML NUMBER is a number that has exactly two factors: 1 and itself.

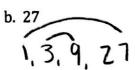
Examples:



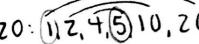
Example #1:

- 1. List all the factors of the following numbers.



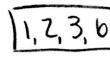


2. List all the common factors of the pair of numbers.



b. 12, 30





Name:	Hour:	Date:
	110ul	Date:

Exploration #2: Work with a partner.

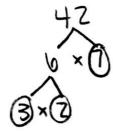
1. How could you multiply to 42 by using only *prime* numbers?

	7 7	
6	×	_
3×	2	

Notes:

A Prime fultivitation of a number is rewritten as a product of only prime numbers. We use a method called fultivity to find prime factorizations.

Examples:



b. 315

Example #2:

1. Write the prime factorization for the following numbers.

