Math 10: Unit 2.2: GCF and LCM

* 1. What is the difference between finding factors and multiples?

|  |  |
| --- | --- |
| **factors** | **Multiples**            |

* 1. What is the difference between prime numbers and composite numbers?

|  |  |
| --- | --- |
| **Prime numbers** | **Composite numbers**  |
|   |                        |

Note: 0 and 1 are neither prime or composite.

Why?

* 1. What are the divisibility properties?

-see pg 62 in the workbook

-can help you divide and find factors for a number

* 1. How to factor a number?

 2 methods:

Ex: find GCF of 60 and 72.

Ex: find GCF for 32, 40, and 42

* 1. How to find LCM?

Step 1: ÷ by a prime for your number. Bring down any # that doesn’t factor

Step 2: repeat until no more common prime factors

Step 3: multiply the found factors together.

Ex: find LCM for 60, 72

Ex: find LCM for 15, 24, 36

Ex: find LCM for 15, 30, 45

Try: find LCM for 27, 30, 36

Do pg 68 #5, 6a-d, 7a-d, 8a-f, 9aceg, 10aceg, 11



