

Name: \_\_\_\_\_ Hour: \_\_\_\_\_ Date: \_\_\_\_\_

## NOTES: GCF and LCM Review

Goals: #1 – I can find the greatest common factor (GCF) of a pair of numbers.

#2 – I can find the least common multiple (LCM) of a pair of numbers.



*Homework: GCF and LCM Review Worksheet*

### Warm Up:

1. List ten multiples of 3.
  
  
  
  
  
  
  
  
  
  
2. List all the common factors of 12 and 30.

### Review:

FACTORS AND MULTIPLES ARE \_\_\_\_\_ THE SAME THING!

Number	Factors	Multiples
12		

### Exploration #1: Work with a partner.

1. Ms. Hentrich wants to create snack bags for her awesome math students. She has 40 granola bars and 32 packs of fruit snacks. If the snack bags should be identical without any food left over, what is the greatest number of snack bags Ms. Hentrich can make?
  
  
  
  
  
  
  
  
  
  
2. Mrs. Sondrol goes hiking every 8 days and swimming every 6 days. She did both exercises today. How many days from now will Mrs. Sondrol go hiking and swimming on the same day?

Name: \_\_\_\_\_ Hour: \_\_\_\_\_ Date: \_\_\_\_\_

**Notes:**

The \_\_\_\_\_ of two numbers is the *largest* number that is a *factor* of both numbers.

Example:

The \_\_\_\_\_ of two numbers is the *smallest* number that is a *multiple* of both numbers.

Example:

**Example #1:** Find the greatest common factor (GCF) of the pair of numbers.

a. 16, 24

b. 35, 50

**Example #2:** Find the least common multiple (LCM) of the pair of numbers.

a. 6, 14

b. 20, 25

**Notes:**

We can also use \_\_\_\_\_ to find GCFs and LCMs of pairs of numbers.

Example: Find the greatest common factor (GCF) of 16, 24

Example: Find the least common multiple (LCM) of 16, 24