

Name: \_\_\_\_\_  
Ms. Napolitano

Date: \_\_\_\_\_  
Activity #: 2.1

**Day 1 of Activity 2.1**

**Topic:** Greatest Common Factor

**EQ:** How can you find and use the greatest common factor of two whole numbers?  
I can find and use the greatest common factor (GCF) of two whole numbers.

**CCSS:** 6.NS.4

# HOMWORK

1. Find the prime factorization of 60.

**F**  $3^2 \cdot 10$

**G**  $2 \cdot 3 \cdot 10$

**H**  $2 \cdot 2 \cdot 15$

**J**  $2^2 \cdot 3 \cdot 5$

2. **Practice:** Find the GCF of the following numbers:

a) 4 and 8

b) 12 and 36

a) 9 and 32

d) 21 and 60

e) 45 and 72

b) Find the GCF of 4 and 12.

The GCF is \_\_\_\_\_.

c) **What's the GCF of 25, 60, and 100?**

Method 1 (list the factors):

Method 2 (factor trees):

d) Find the GCF of 25 and 45.

The GCF is \_\_\_\_\_.

e) Find the GCF of 30 and 50

The GCF is \_\_\_\_\_.

f) Find the GCF of 56 and 24

The GCF is \_\_\_\_\_.

g) **Mrs. Sandoval has 60 folders, 45 pairs of scissors, and 30 rulers. What is the greatest common factor Mrs. Sandoval can use to divide the school supplies into equal groups?**

**A 3**

**B 5**

**C 10**

**D 15**