

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Factor Rainbows



Set 1: Create a factor rainbow for each.

**9**

**18**

**40**

# of factors for 9 \_\_\_\_\_

# of factors for 18 \_\_\_\_\_

# of factors for 40 \_\_\_\_\_

Set 2: Create a factor rainbow for each.

**11**

**17**

**41**

# of factors for 11 \_\_\_\_\_

# of factors for 17 \_\_\_\_\_

# of factors for 41 \_\_\_\_\_

What do you notice about the # of factors for the first set of numbers compared to the number of factors for the second set of numbers? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



The numbers in the first set are composite numbers.

What is the definition of a composite number? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

List at least 10 composite numbers below.

The numbers in the second set are prime numbers.

What is the definition of a prime number? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

List at least 10 prime numbers below.