

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

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

## Prime & Composite Numbers

A **PRIME** number is:

A number that has only 2 factors: 1 and itself.

For example:

$$\textcircled{7} \times \textcircled{1} = 7$$

1 and 7 are the only factors for the number 7.

A **COMPOSITE** number is:

A number that has more than 2 factors.

For example:

$$\begin{array}{l} \textcircled{6} \times \textcircled{1} = 6 \\ \textcircled{2} \times \textcircled{3} = 6 \end{array}$$

The number 6 has 4 different factors!

Directions: Look at the factors for each number. Decide if the number is prime or composite.

1. The number is 9  
The factors are:  
 $9 \times 1 = 9$   
 $3 \times 3 = 9$

This number is \_\_\_\_\_

2. The number is 5  
The factors are:  
 $5 \times 1 = 5$

This number is \_\_\_\_\_

3. The number is 11  
The factors are:  
 $11 \times 1 = 11$

This number is \_\_\_\_\_

4. The number is 12  
The factors are:  
 $12 \times 1 = 12$   
 $6 \times 2 = 12$   
 $3 \times 4 = 12$

This number is \_\_\_\_\_

Directions: Write all of the multiplication facts for each number. Decide if it is prime or composite.

5. $17$	6. $15$
This number is _____	This number is _____
7. $20$	8. $3$
This number is _____	This number is _____