

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:

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

The number 6 has 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:
 $1 \times 1 = 9$
 $3 \times 3 = 9$

This number is _____

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

This number is _____

3. The number is 8
The factors are:
 $8 \times 1 = 8$

This number is _____

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

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 _____