

Name: _____ Date: _____

Prime & Composite Numbers

A PRIME number is:

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

For example:

$$\begin{array}{c} 7 \\ \times 1 \\ \hline 7 \end{array}$$

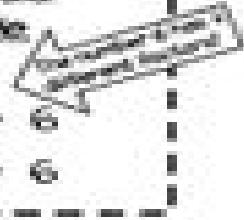
1 and 7 are the **only** factors for the number 7.

A COMPOSITE number is:

A number that has **more** than 2 factors.

For example:

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



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

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

The number is: _____

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

The number is: _____

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

The number is: _____

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

The number is: _____

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

5.	15	6.	15
The number is: _____		The number is: _____	
7.	20	8.	3
The number is: _____		The number is: _____	