Name/Nombre: _____ Date/Fecha: _____

Prime numbers vs. Composite numbers

Prime number	Composite number
Prime numbers are whole numbers with _____ factors, including 1 and itself.	Composite numbers are whole numbers with _____ two factors.

Example:

(1) 7 is a _____ number.

$1 \times 7 = 7$

- 7 has only factors 1 and 7.
- 7 can NOT be evenly divided by any other whole numbers.

(2) 16 is a _____ number.

$1 \times 16 = 16$

$2 \times 8 = 16$

$4 \times 4 = 16$

- The factors of 16 are 1, 2, 4, 8, and 16.
- 16 has _____ two factors.

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DO NOW!

Numbers	All of the Factors of given numbers	Prime OR Composite
Example: 2	1, 2	Prime (because 2 has two factors only)
Example: 6	1, 2, 3,6	Composite (because 6 has more than two factors)
15		
23		
24		
31		
39		
43		
45		
50		
77		

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