

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

## Prime and Composite

**Factors** are the numbers you multiply to get another number.

**Prime numbers** are the numbers that have only two factors.

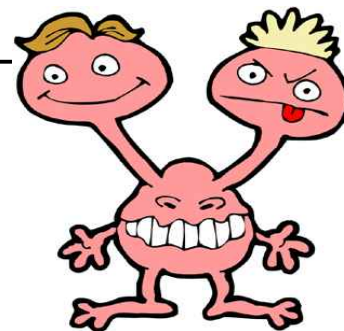
What are the factors of 3? 1 and 3

Because 3 has only two factors, it is a prime number.

**Composite numbers** are the numbers that have more than two factors.

What are the factors of 6? 1, 2, 3, and 6

Because 6 has more than two factors, it is a composite number.



Complete the table.

Number	List of Factors	Prime or composite?
10		
5		
12		
18		
41		
15		
2		
49		
73		
33		
21		

# ANSWER KEY

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What are the factors of 3? 1 and 3

Because 3 has only two factors, it is a prime number.

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What are the factors of 6? 1, 2, 3, and 6

Because 6 has more than two factors, it is a composite number.

Complete the table.

Number	List of Factors	Prime or composite?
10	<u>1, 2, 5, and 10</u>	<u>composite</u>
5	<u>1 and 5</u>	<u>prime</u>
12	<u>1, 2, 3, 4, 6, and 12</u>	<u>composite</u>
18	<u>1, 2, 3, 6, 9, and 18</u>	<u>composite</u>
41	<u>1 and 41</u>	<u>prime</u>
15	<u>1, 3, 5, and 15</u>	<u>composite</u>
2	<u>1 and 2</u>	<u>prime</u>
49	<u>1, 7, and 49</u>	<u>composite</u>
73	<u>1 and 73</u>	<u>prime</u>
33	<u>1, 3, 11, and 33</u>	<u>composite</u>
21	<u>1, 3, 7, and 21</u>	<u>composite</u>
10	<u>1, 2, 5, and 10</u>	<u>composite</u>