

ANSWER KEY

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	<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>