

Name: _____

Prime and Composite

Factors are the numbers you multiply to get another number.

$2 \times 3 = 6$ 2 and 3 are factors of 6.
 $1 \times 6 = 6$ 1 and 6 are also factors of 6.

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

Prime numbers are the numbers that have only two factors.

$1 \times 19 = 19$ 1 and 19 are the only factors of 19.
Because 19 has only two factors, it is a prime number.

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

$1 \times 10 = 10$ 1 and 10 are factors of 10.
 $2 \times 5 = 10$ 2 and 5 are also factors of 10.



a.  **Preview**
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- b.** List all of the factors for the number **11**. _____
Is **11** a prime or composite number? _____
- c.** List all of the factors for the number **16**. _____
Is **16** a prime or composite number? _____
- d.** List all of the factors for the number **23**. _____
Is **23** a prime or composite number? _____

ANSWER KEY

Prime and Composite

Factors are the numbers you multiply to get another number.

$2 \times 3 = 6$ 2 and 3 are factors of 6.

$1 \times 6 = 6$ 1 and 6 are also factors of 6.



What are the factors of 42? 1, 2, 3, and 6

Preview

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- d. List all of the factors for the number **23**. 1 and 23
- Is **23** a prime or composite number? prime