

Name: _____

Prime and Composite

Factors are the numbers you multiply to get another number.

Prime numbers are the numbers that have only two factors.

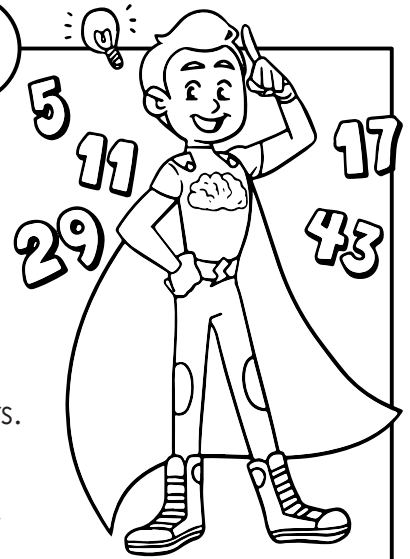
What are the factors of 3? 1 and 3

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.



a. List all of the factors for the number **8**.

Is **8** a prime or composite number?

b. List all of the factors for the number **20**.

Is **20** a prime or composite number?

c. List all of the factors for the number **19**.

Is **19** a prime or composite number?

d. List all of the factors for the number **37**.

Is **37** a prime or composite number?

e. List all of the factors for the number **9**.

Is **9** a prime or composite number?

f. List all of the factors for the number **13**.

Is **13** a prime or composite number?

ANSWER KEY

Prime and Composite

Factors are the numbers you multiply to get another number.

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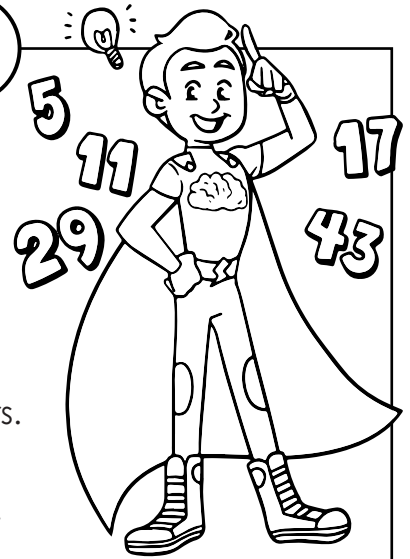
What are the factors of 3? 1 and 3

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.



a. List all of the factors for the number **8**.

Is **8** a prime or composite number?

1, 2, 4, and 8

composite

b. List all of the factors for the number **20**.

Is **20** a prime or composite number?

1, 2, 4, 5, 10, and 20

composite

c. List all of the factors for the number **19**.

Is **19** a prime or composite number?

1 and 19

prime

d. List all of the factors for the number **37**.

Is **37** a prime or composite number?

1 and 37

prime

e. List all of the factors for the number **9**.

Is **9** a prime or composite number?

1, 3, and 9

composite

f. List all of the factors for the number **13**.

Is **13** a prime or composite number?

1 and 13

prime