

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 _____

Is **20** a _____



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c. List all _____

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

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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**. 1, 2, 4, and 8

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

- b. List all of the factors for the number **16**.

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



- c. List all of the factors for the number **19**. 1 and 19

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

- d. List all of the factors for the number **37**. 1 and 37

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

- e. List all of the factors for the number **9**. 1, 3, and 9

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

- f. List all of the factors for the number **13**. 1 and 13

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