

Name _____

Date _____

Primes and Composites

VOCABULARY:

Factors:

Numbers that are multiplied together.

For example, $2 \times 5 = 10$, 2 and 5 are factors of 10.

Prime Number:

A number that has exactly 2 factors, 1 and itself.
For example, 13 is prime because its only factors are 1 and 13.

Composite number:

A number that has more than 2 factors.
For example, 20 is composite since it has 5 factors.

Examples:

1. Is 97 prime or composite? Explain.

97 is prime because

it does not have any other factors other than 1 and itself.

2. Is 201 prime or composite? Explain.

201 is composite because it has more than 2 factors. Some of the factors are 1, 3, and 201.

You Try:

- Is 93 prime or composite? Explain.

93 is composite because it has more than 2 factors. Some of its factors 1, 3, and 93.

Hint:

Use the divisibility rules