

Max's Magnificent Prime Number Expedition

Uncover the Hidden Patterns of the Prime Kingdom!

- A prime number is a natural number greater than 1 that has exactly two distinct factors: 1 and itself.
- The number 1 is neither prime nor composite, as it does not have two distinct factors.
- Composite numbers are numbers that have more than two factors, such as 4, 6, 8, and 9.
- To test if a number is prime, attempt to divide it by smaller prime numbers like 2, 3, 5, and 7.
- Prime factors are the prime numbers that multiply together to make the original number, such as $2 \times 2 \times 3 = 12$.

Did you know? Did you know? The number 2 is the only even prime number in existence! Every other prime number is odd because any other even number can be divided by 2, meaning it would have at least three factors: 1, 2, and itself.

Key vocabulary: Prime number · Composite number · Factor · Divisor · Multiple · Product · Unity