

Name _____

Unraveling Number Mysteries: The Fascinating World of Number Theory

Short Answer Key

1. Prime numbers are numbers that can only be divided by themselves and 1.
2. Factorization is the process of breaking down a number into its prime factors.
3. Understanding number theory is important because it lays the groundwork for deeper mathematical understanding and has practical applications in various fields.
4. An example of a pattern in numbers is the Fibonacci sequence.
5. Fields such as computer science, cryptography, and finance benefit from the applications of number theory.

