

Name _____

Unlocking the Mystery of Prime Numbers: The Key to Numerical Secrets

Multiple Choice Questions

1. What are prime numbers?

- a) Numbers greater than 1 with only two factors
- b) Numbers divisible by 2
- c) Numbers divisible by 1 and 0
- d) Numbers divisible by any other number

2. How many factors do prime numbers have?

- a) Four
- b) One
- c) Three
- d) Two

3. What is the first prime number?

- a) 0
- b) 1
- c) 2
- d) 3

4. Which method involves dividing a number by each integer up to its square root to determine if it's prime?

- a) Sieve of Eratosthenes
- b) Trial Division
- c) Divisibility Rules
- d) Factorization

5. Why are prime numbers important in mathematics?

- a) They make calculations more complicated
- b) They are easy to multiply
- c) They are the building blocks of number theory and cryptography
- d) They have no practical applications

