

Name _____

Exploring Numbers: Unraveling the Mystery of Composite and Prime Numbers

Open-Ended Response Questions

1. Can you think of any real-world examples where understanding composite and prime numbers might be useful?
2. How do composite and prime numbers play a role in cryptography and data security?
3. Why do you think mathematicians are interested in studying prime numbers, despite their simplicity?
4. Explain how factorization helps identify whether a number is composite or prime.

