

Name _____

Unlocking Secrets: The Connection Between Prime Numbers and Cryptography

Open-Ended Response Questions

1. Can you think of any potential drawbacks or limitations of using prime numbers in cryptography?
2. Why do you think prime numbers are particularly well-suited for encryption methods like RSA?
3. How might advances in computing technology impact the security of encryption methods based on prime numbers?
4. Explain the significance of using large prime numbers in RSA encryption for securing communication over the internet.

