Secret Codes and Hidden Messages

Cryptography · Practice Test · 12 Questions

1. What is the main goal of cryptography?

A) To make messages visible to everyone
B) To keep information secret and private
C) To speed up message delivery
D) To create new languages

2. What is the process of turning readable information into a secret code called?

A) Decryption
B) Encoding
C) Encryption
D) Hiding

3. What do you call the secret key or method used to scramble and unscramble messages?

A) A password
B) An algorithm
C) A cipher
D) A message

4. Which famous historical figure used a simple substitution cipher where each letter is shifted a certain number of places down the alphabet?

A) Leonardo da Vinci
B) Isaac Newton
C) Julius Caesar
D) Albert Einstein

5. When you read a secret message that has been scrambled, what is that process called?

A) Encoding
B) Decryption
C) Encryption
D) Scrambling

6. What is a common example of a simple substitution cipher where each letter is replaced by a symbol?

A) Caesar Cipher
B) Pigpen Cipher
C) Vigenère Cipher
D) Atbash Cipher

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7. In cryptography, what is a 'plaintext'?

A) A secret code message
B) Readable, original information
C) The key used to unlock a message
D) A scrambled word

8. What is a 'ciphertext'?

A) Readable, original information
B) A secret code message
C) The method for scrambling
D) The key to unlock a message

9. The Enigma machine was famously used during World War II to encrypt and decrypt messages. What type of cipher did it primarily use?

A) Substitution Cipher
B) Transposition Cipher
C) Polyalphabetic Cipher
D) Caesar Cipher

10. What is a simple way to explain that cryptography helps keep our online information safe?

A) It makes our computers run faster
B) It hides our messages and data from people who shouldn't see them
C) It helps us find things on the internet
D) It makes games more fun

11. Which of these is an example of a modern form of cryptography used in online shopping to protect your credit card details?

A) Morse Code
B) Pigpen Cipher
C) SSL/TLS
D) Semaphore Flags

12. What is the primary benefit of using strong cryptography in communication?

A) To make messages longer
B) To ensure only the intended recipient can understand the message
C) To make messages look more complicated
D) To add extra sounds to messages

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