

# CAIE Computer Science IGCSE

## 2.3 Encryption

### Flashcards

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# What is the purpose of encryption?



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To protect data by converting plaintext into ciphertext so only authorised users can decrypt it.



In what type of encryption do the sender and receiver share the same private key?



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Symmetric encryption.



In what type of encryption  
are four different keys used?



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Asymmetric encryption - requires each party to have their own pair, totaling four keys for a complete two-way setup.



Using asymmetric encryption, a message is encrypted using the recipient's public key. Which key can now decrypt the message?





Using asymmetric encryption, a message is encrypted using the recipient's public key. Which key can now decrypt the message?

The recipient's private key.

