

CAIE Computer Science IGCSE

2.3 Encryption

Flashcards

This work by [PMT Education](https://www.pmt.education) is licensed under [CC BY-NC-ND 4.0](https://creativecommons.org/licenses/by-nc-nd/4.0/)



www.pmt.education



PMT Education



What is the purpose of encryption?



What is the purpose of encryption?

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?



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

Symmetric encryption.



In what type of encryption
are four different keys used?



In what type of encryption are four different keys used?

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.

