

CAIE Computer Science IGCSE

2.1 Types and methods of data transmission

Flashcards

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What is a packet?



What is a packet?

A small unit of data used in transmission, containing a header, payload, and trailer.



Name three pieces of information contained in a packet header.



Name three pieces of information contained in a packet header.

The destination address, originator's address, and packet number.



What is a packet's payload?



What is a packet's payload?

The actual data being sent.



What is a packet's trailer?



What is a packet's trailer?

The part of a packet that contains error-checking information to verify data integrity.



What is packet switching?



What is packet switching?

The process of sending data over a network by splitting it into packets.



What controls a route a packet takes across a network?



What controls a route a packet takes across a network?

A router.



True or false: packets always arrive in order.



True or false: packets always arrive in order.

False.



How are packets arranged into the correct order?



How are packets arranged into the correct order?

Using their packet numbers.



True or false: packets may take different routes to the same destination.



True or false: packets may take different routes to the same destination.

True.

