

IT Fundamentals Guided Notes (ANSWER KEY)

Lesson 2.7.4 - Packet Transmissions

1. What is a network packet?

A small segment of a larger message

2. What are the three parts of a network packet? What do each include?

The header, the payload, and the trailer/footer. The header includes instructions regarding data carried by the packet such as length, protocol, and destination/origin. The payload is the actual data that is being sent to the destination. The trailer contains a few bits informing the receiver that the end of the packet has been reached

3. What is padding?

If a packet is fixed-length, the payload may include additional information to make it the appropriate size, this additional information is the padding