

# Knowledge check

2 minutes

Choose the best response for each of the questions below. Then select **Check your answers**.

## Check your knowledge

1. In a network, what is the fundamental building block that allows multiple devices to communicate with each other?

☒ The switch

✓ That's correct. The switch is a fundamental building block that allows different devices to communicate with each other.)

☐ The router

☐ The access point

2. What is a datagram used for?

☐ A datagram is used to announce a message is ready to send across the network.

☒ A datagram is a chunk of data of uniform length that can be sent across the network.

✓ That's correct. Datagrams, also known as packets, are used to send data across a network.

- ☐ A datagram is used to send music data across a network.

3. What is the name of a common network attack where the cybercriminal compromises a router in the network to eavesdrop on, or alter, data?

- ☒ Man-in-the-middle.

✓ That's correct. This occurs when a router is compromised by an attack and can let criminals intercept and change messages.

- ☐ Bluejacking.
- ☐ Wardriving.

4. When considering security, what is the common name given to separating your network into discrete entities?

- ☐ Network access control.
- ☐ Virtual private network.

- ☒ Network segmentation.

✓ That's correct. Network segmentation creates boundaries around critical operations or assets, in much the same way as you'd put your finance team in their own office.

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