Kit’s Connection Quest: Mastering Computer Networks

1. C) A network (1 mark)

Working: Definition of a network as interconnected devices.

Award 1 mark for the correct option.

2. A) Router (1 mark)

Working: The router manages traffic between the local network and the internet.

Award 1 mark for the correct option.

3. B) The Internet (1 mark)

Working: The internet is defined as the global network of networks.

Award 1 mark for the correct option.

4. True (1 mark)

Working: Clients request resources; servers provide them.

Award 1 mark for the correct answer.

5. False (1 mark)

Working: Wireless technology like Wi-Fi allows data to travel through the air.

Award 1 mark for the correct answer.

6. Server (1 mark)

Working: A server is a central computer providing services.

Award 1 mark for the correct term.

7. A) Wi-Fi (1 mark)

Working: Wi-Fi is the standard wireless networking technology.

Award 1 mark for the correct option.

8. B) To share resources and data (1 mark)

Working: The primary function of a network is connectivity and sharing.

Award 1 mark for the correct option.

9. Router (1 mark)

Working: The router is the gateway device for home internet.

Award 1 mark for the correct term.

10. True (1 mark)

Working: Data is broken into packets for efficient transmission.

Award 1 mark for the correct answer.

What a secure answer looks like

A secure answer demonstrates an understanding that networks are about communication and resource sharing. Ensure students distinguish between hardware roles like routers and servers.

If your child is stuck

Ask the child to imagine the internet as a postal service: the router is the local post office, and the packets are the individual letters being delivered.

Common mistakes to watch for

Students often confuse a 'server' with a 'router', or believe that the internet only exists through physical cables without understanding wireless signals.