Kit’s Connection Quest: Mastering Computer Networks

Learning objective: I can identify the components of a network and explain how data travels between devices.

About 15 minutes. Grown-up tip: Discuss how your home Wi-Fi connects your phone, tablet, and TV to the same network.

Read each question carefully. For multiple choice, select the correct option. For true/false, write your answer clearly. Kit the fox is here to guide you through the digital world!

Answer Key: 1.C, 2.A, 3.B, 4.True, 5.False, 6.Server, 7.A, 8.B, 9.Router, 10.True. A good answer for Q10 should mention that data is split into small pieces to travel across the network efficiently and then reassembled at the destination.

Word bank: Server · Router · Client · Packet · Wi-Fi · Broadband

1. 1. What do we call a group of computers connected together to share information? A) A digital stack B) A hard drive C) A network* D) A processor (1 mark)

2. 2. Which device acts as the traffic controller, directing data between your home devices and the internet? A) Router* B) Monitor C) Keyboard D) Mouse (1 mark)

3. 3. What is the name for the 'global network of networks'? A) The Local Area B) The Internet* C) The Mainframe D) The Server Room (1 mark)

4. 4. True or False: A 'Client' is a device that requests services or resources from a server. (1 mark)

5. 5. True or False: Data can only travel through physical wires and cannot travel wirelessly. (1 mark)

6. 6. Fill in the blank: A powerful computer that provides data or services to other computers on a network is called a _____. (1 mark)

7. 7. Which of these is a secure way to connect to a network without using cables? A) Wi-Fi* B) Ethernet C) Bluetooth D) Fibre optic (1 mark)

8. 8. What is the main purpose of a network? A) To make computers look colourful B) To share resources and data* C) To increase the weight of a laptop D) To play music (1 mark)

9. 9. If your internet connection stops working at home, which piece of hardware should you check first? (One word answer) (1 mark)

10. 10. True or False: Data is sent across the internet in tiny pieces called 'packets'. (1 mark)

Draw: Kit the fox sitting at a desk with a laptop, pointing at a diagram of computers connected to a central router with glowing lines.

Extension challenge: Imagine you are designing a network for a school library. Draw a diagram showing where you would place the server, the router, and the computers. Label your components.



I did it! Name: _____ Date: _____

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