

5 A local area network (LAN) has five computers, one switch and one server.

(a) Describe the characteristics of a LAN.

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..... [2]

(c) Describe how packets are transmitted between two hosts using a star topology.

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..... [3]

(d) Another type of network is a bus network.

Ethernet is used to transmit and receive data between the devices on the bus network.

Describe how collisions are detected and managed on this network.

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..... [3]

(e) Complete the table by identifying **one** threat to computer and data security posed by networks and the internet.

Describe the threat and give a method of prevention.

Threat	Description	Prevention
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