# Unit 1.4 Wired and Wireless Networks – Lesson 1

## Activity 2 – Client-server vs Peer-to-peer

### Higher ability

Tick the correct box(es) to show whether the statement applies to a client-server, a peer-to-peer or both networks.

| **Statement** | **Client-Server** | **Peer-to-peer** |
| --- | --- | --- |
| Computers are networked together. | Yes | Yes |
| It has a central computer that provides all the services to the network. | Yes |  |
| Each computer in the network is equal, there is no central computer controlling services. |  | Yes |
| Most commonly found in a home or small office. |  | Yes |
| Most commonly found in larger offices and organisations. | Yes |  |
| Files can be automatically backed-up to a central location from each computer on the network. | Yes |  |
| Peripherals on the network can be shared. | Yes | Yes |
| An expensive network to set up as more hardware needs to be purchased | Yes |  |
| A cheaper network to set up as less hardware needs to be purchased |  | Yes |
| Files can be shared using the network. | Yes | Yes |
| Each computer on the network needs to be maintained separately. |  | Yes |

**Extension:**A publishing company has roughly 20 employees who collate new articles, photographs, video stories and share/edit these across the network. They will often work in different offices during the day/week.

Describe which out of Client-Server and Peer-Peer is most appropriate and why?

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## Activity 2 – Client-server vs Peer-to-peer

### Low ability

Tick the correct box(es) to show whether the statement applies to a client-server, a peer-to-peer or both networks.

| **Statement** | **Client-Server** | **Peer-to-peer** |
| --- | --- | --- |
| Computers are networked together. | Yes | Yes |
| It has a central computer that provides all the services to the network.  **(Hint: Think about which network has a number of computers that are all connected to a central computer)** | Yes |  |
| Each computer in the network is equal, there is no central computer controlling services. |  | Yes |
| Most commonly found in a home or small office.  **(Hint: think about whether a home or a small office would really need a central computer controlling all services)** |  | Yes |
| Most commonly found in larger offices and organisations. | Yes |  |
| Files can be backed-up to a central location from each computer on the network. | Yes |  |
| Peripherals on the network can be shared.  **(Hint: peripherals are things like printer and scanners)** | Yes | Yes |
| An expensive network to set up as more hardware needs to be purchased | Yes |  |
| A cheaper network to set up as less hardware needs to be purchased |  | Yes |
| Files can be shared using the network. | Yes | Yes |
| Each computer on the network needs to be maintained separately.  **(Hint: Think about which computer would have a central computer that could carry out maintenance services. Each computer will not need separately maintaining in this type of network)** |  | Yes |

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