Packet Tracer Lab 1:

Step 1:

1. Intermediary device categories:

Routers, Switches, Hubs, Wireless devices, Security, Wan Emulation

1. There are 15 endpoint devices in the Topography
2. There are 14 intermediary devices in the Topography
3. There are 8 end devices that are not desktop computers
4. There are 4 different media connections

Step 2:

1. The client server model is a model describing the structure that manages resources between a central server and its clients
2. Two examples of functions provided by intermediary devices are Authentication and Encryption
3. Security concerns and Bandwidth

Step 3:

1. A LAN(Local area network) is a network of devices that are connected together (such as a home network) and a WAN(Wide area network) is a network of LAN’s (such as a corporations internal intranet network)
2. Just the one, the intranet connecting the offices
3. 3 LAN’s, the Home office, Central office and Branch office
4. The internet is a network of WAN’s all connected with each other, provided by ISP’s
5. Cable, DSL, dial up, cellular, satellite
6. The most common way for businesses is with DSL, or cable/fiber or satellite