1. Network protocols are used to do which of the following? (Choose all that apply.)  
   a. To ensure reliable delivery of data  
   b. To determine the nearest printer for a print job  
   c. To interpret keyboard commands  
   d. To indicate the source and destination addresses for data packets

Step 1: Answer

To ensure reliable delivery of data  
To indicate the source and destination addresses for data packets

Step 2: Explanation

An established set of guidelines that govern how data is transferred between various devices connected to the same network is known as a network protocol. In essence, it enables interconnected devices to interact with one another despite any variations in their internal workings, organisational structures.

Network protocols can be divided into three categories. These include protocols for network management, network communication, and network security: Basic data communication technologies like TCP/IP and HTTP are examples of communication protocols.

2. How many IDFS does the organization have?

Step 1:

(Midpoint Distribution Frame) On each floor and in each building, IDF offers a middle connection between the MDF and end-user equipment.

Step 2:

Either the room where the racks and equipment are located, or the racks storing the network equipment. IDFs that connect the network's internal segments can be numerous. Although big businesses may have multiple data rooms or closets per floor to better manage the data feed from the primary data facilities, the TIA/EIA standard recommends at least one IDF per floor. Extended star topology connections from the IDF branch out to workstations.