Basics of Cisco Packet Tracer

Repeater –

- Data signals get corrupted if they travel a long distance.

- The Repeater helps to regenerate the signal over the same network.

- Repeater is a layer1 device – It works in the Physical layer of the OSI reference model.

- The work of the Repeater is simpler , it just regenerates the signal that’s reached till repeater over the same network.

- The repeater doesn’t amplify the signals. It just focuses of regenerating the signal.

- It is a 2-port device.

Example -

If a teacher is teaching, she is more audible to the first benchers than the last benchers. Likewise, the signals sometimes get weak over large distance travelling. Hence a repeater is used to repeat the signals over the same network.

Working of an Repeater with an example -

If there is an office and some of the computers are in the other building, but the organisation is trying to connect these computers via a local area network which is same as the local area network in the first office and they do not want to install a switch to create a new local area network (LAN), a repeater is used to regenerate the amplifier signal over the same network which gets weaker over a long distance.

Refer the Basics of CPT pt5 Repeater in the Cisco Packet Tracer Software file.