

Y5/6 – How does the data transfer?

Communicating

- A message
- From someone, to someone (e.g. a speaker and a listener)
- Taking turns
- Understanding (same language)



Protocols are like rules. They are an agreed way of doing something.

Packets

To:	From:	Packet no.	of	Total no. of packets.							
---	---	---		---	—	—	—	—	—	—	—

Computers send **data** across the internet in **packets**. This is an example.



Internet data transfer

Every time you access a website, send a message, or watch a video online, data is transferred over the internet.

Domain Name Server (DNS)

- A **website** address is known as its **domain name**
- Each **website** is hosted on a **web server**
- Each **web server** has an **IP address**

What can you share?



Text



Video



Images



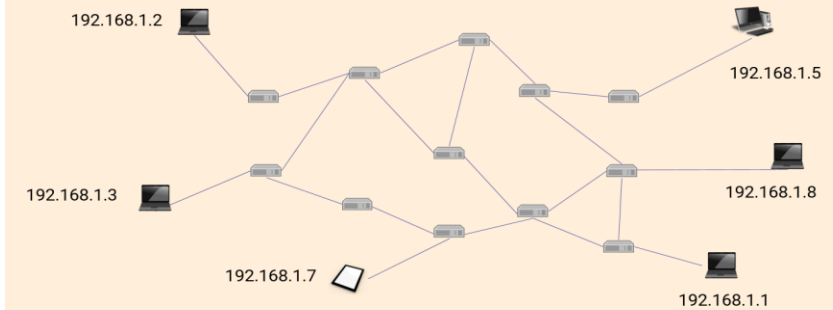
Audio

Networked computers use special addresses called IP addresses, which are structured like this:

192.168.1.200

IP stands for **Internet Protocol**.

Sending data across a network



Public or private?

Think, pair, share: What do the words below mean?

Public

Something in open view



Private

Involving a particular person or group only

