Y5/6 – Do you know the power of search?

A **computer system** is a set of integrated (joined up) devices that **input, output, process** and **store data and information.**

Computer systems can help us in lots of ways, like:

- Traffic lights at a zebra crossing

- Catalogue store system

- Order delivery lockers

- Scan as you shop

How many others can you think of?

When sharing information online, **always** think before you send. Once it is out there, you cannot take it back!

All computers are connected together, which is called a **network**.

A **protocol** is an agreed way of doing something. E.g. we all write addresses in the same way so we know it will get to the right place! Computers communicate using agreed **protocols.**

Computers send messages in **packets**, this includes all the information about the message and looks a bit like this:
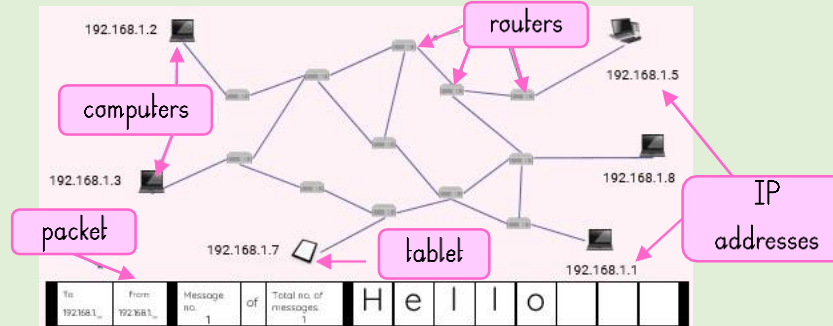
To: 10	From: 7	Message no. 1	of	Total no. of messages. 2	H	i	,		h	o	w	

To: 10	From: 7	Message no. 2	of	Total no. of messages. 2	a	r	e		y	o	u	?

Computers use special addresses called **IP addresses**. When a message is sent from one computer to another, both the destination and start dress are included. All computers have an IP address, which can be found on a domain name server (this is a bit like an address book).
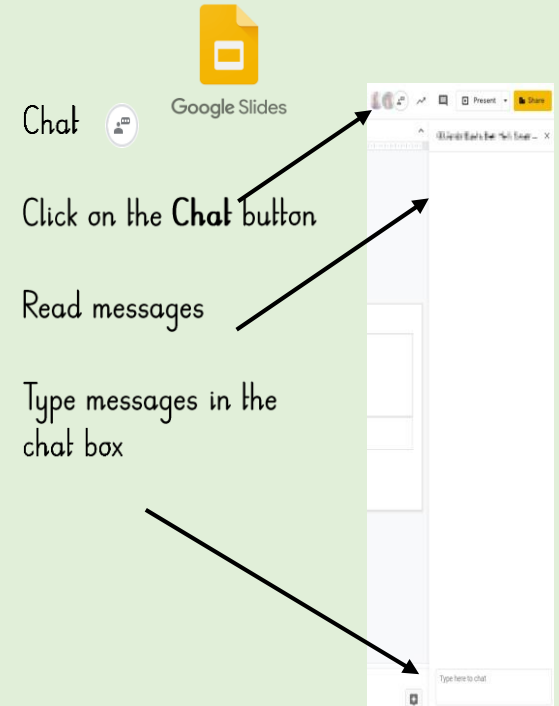
192.168.1.200

The **routers** then send the message to the computer

These **computer systems** means that we can work together and share information, without needing to be in the same room!

Many IT **processors** like **Office 365** and **Google Docs** have online collaboration options.

Chat

Click on the **Chat** button

Read messages

Type messages in the chat box

The **Explore** button allows you to search for information and images as you work.

Explore