



Google Slides

# Year 5 – Sharing Information

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**.

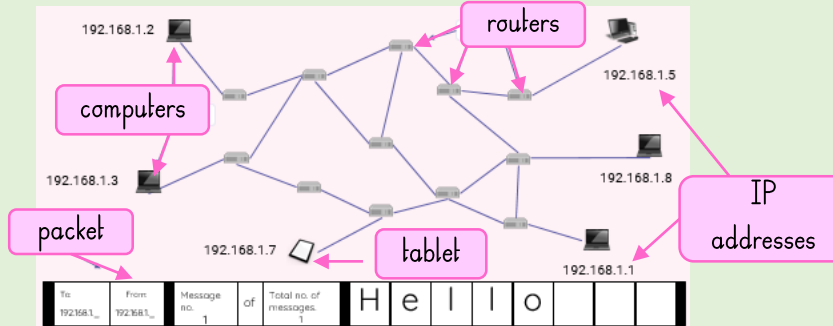
**Computers** send messages in **packets**, this includes all the information about the message and looks a bit like this:

To:	From:	Message no. of	Total no. of messages.	H	i	,	_	h	o	w	_
10	7	1	2								
To:	From:	Message no. of	Total no. of messages.	a	r	e	_	y	o	u	?
10	7	2	2								

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.



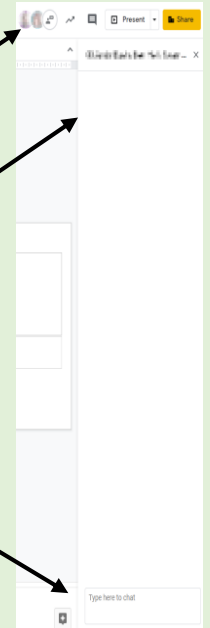
Chat

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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.

