

On a whiteboard...

Can you halve these numbers correctly?

$$12 \rightarrow 6$$

$$40 \rightarrow 20$$

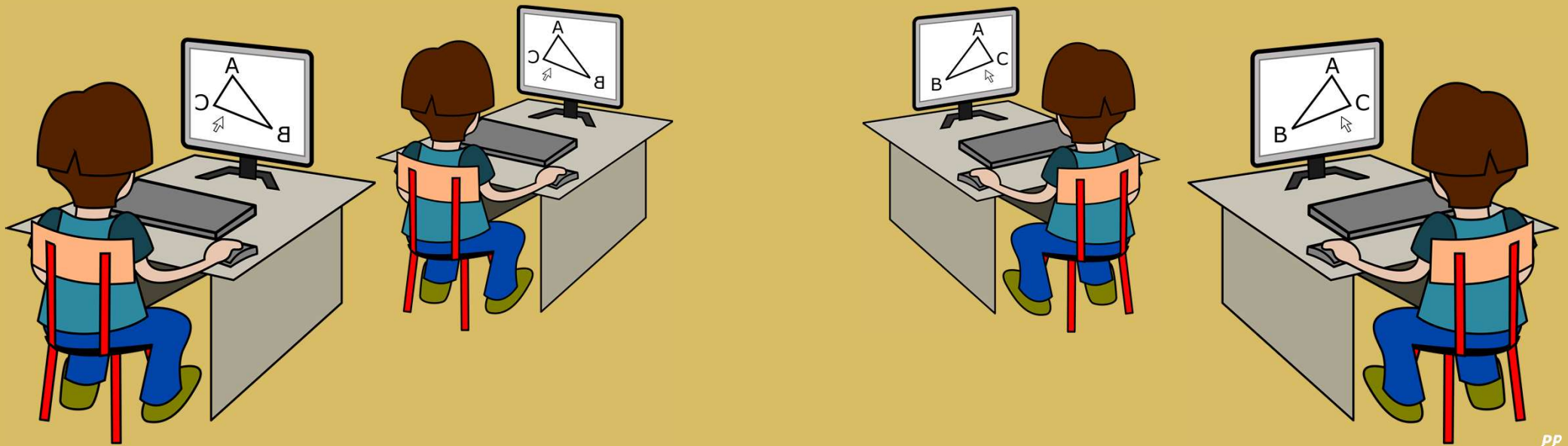
$$246 \rightarrow 123$$

$$568 \rightarrow 284$$

$$4659 \rightarrow 2329.5$$

Mathematics

Solve comparison, sum and difference problems using information from graphs and tables



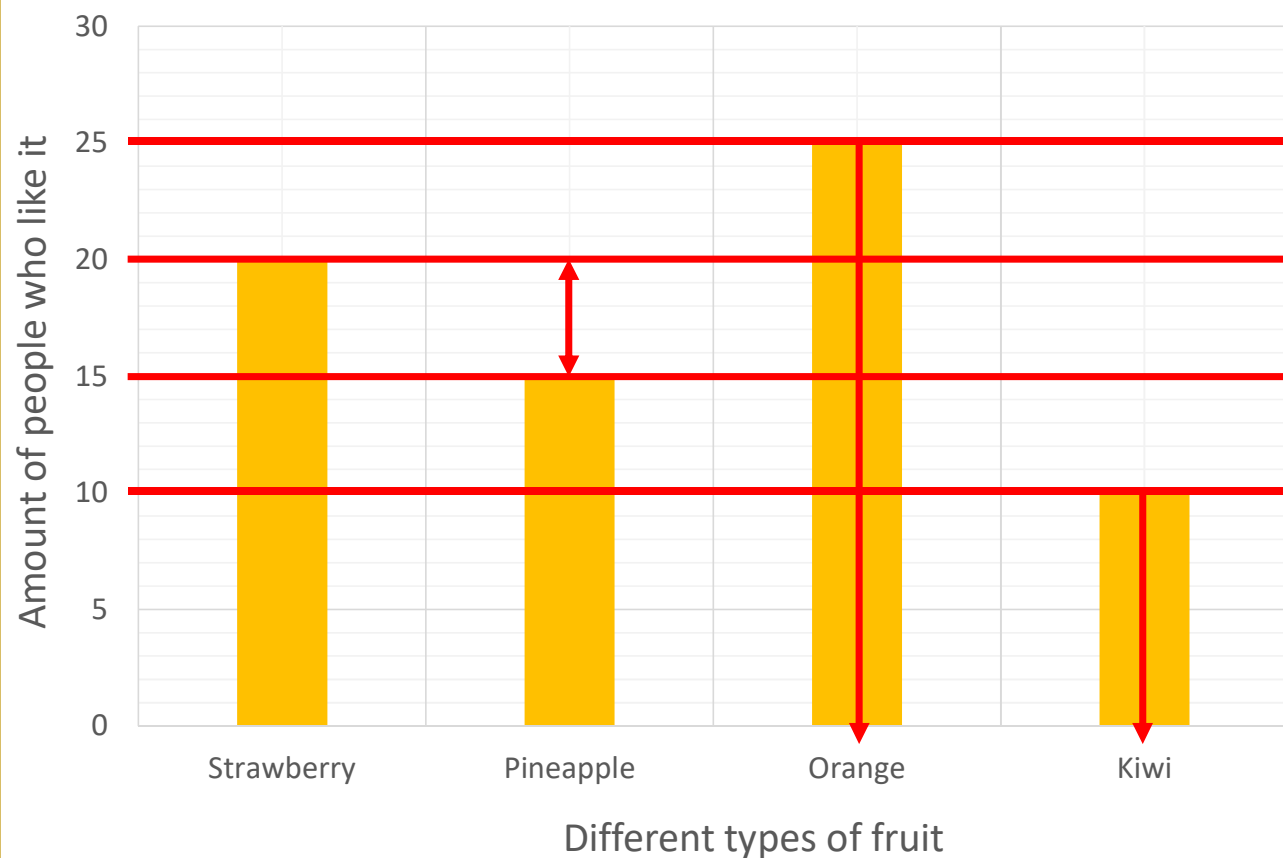
Today

We are going to be reading different types of **graphs**, for example, **bar charts** and **pictograms**. Then we will answer questions about them.

Some of the questions will be answered by looking at the graphs, others, you'll have to do some working out to find the answers!

LO: To solve comparison, sum and difference problems

A graph to show people's favourite fruit



To start off, I'll show you how to answer some questions about the **bar chart** to the left.

Which is the **most popular** fruit?

Orange

Which fruit is **least popular**?

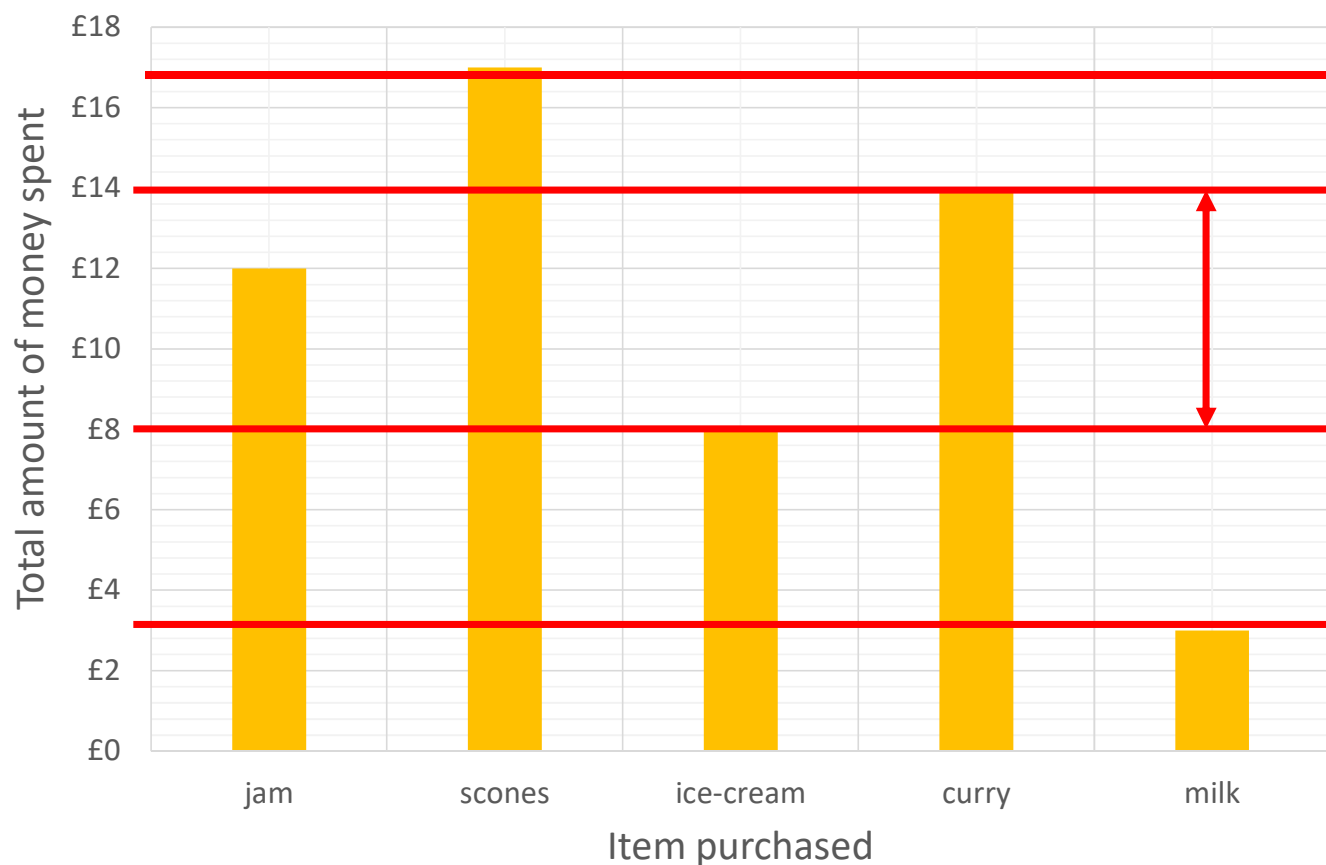
Kiwi

How many more people like **strawberry** than **pineapple**?

$$20 - 15 = 5$$

LO: To solve comparison, sum and difference problems

A graph to show what people buy at the shops



Now it's your turn. On a whiteboard, see if you can solve these three questions:

Which is the **most popular** item?

scones

Which item is **least popular**?

milk

How much more is spent on **curry** than **ice-cream**?

$$£14 - £8 = £6$$

LO: To solve comparison, sum and difference problems

A graph to show families favourite countries to visit on holiday



 = 5 families

Next, I'll show you how to answer some questions about the **pictogram** to the left.

How many families go to **Greece**?

$$2 \times 5 = 10 \text{ families}$$

How many more people go to **Spain** than **France**?

$$4 \times 5 = 20$$

$$2 \times 5 = 10$$

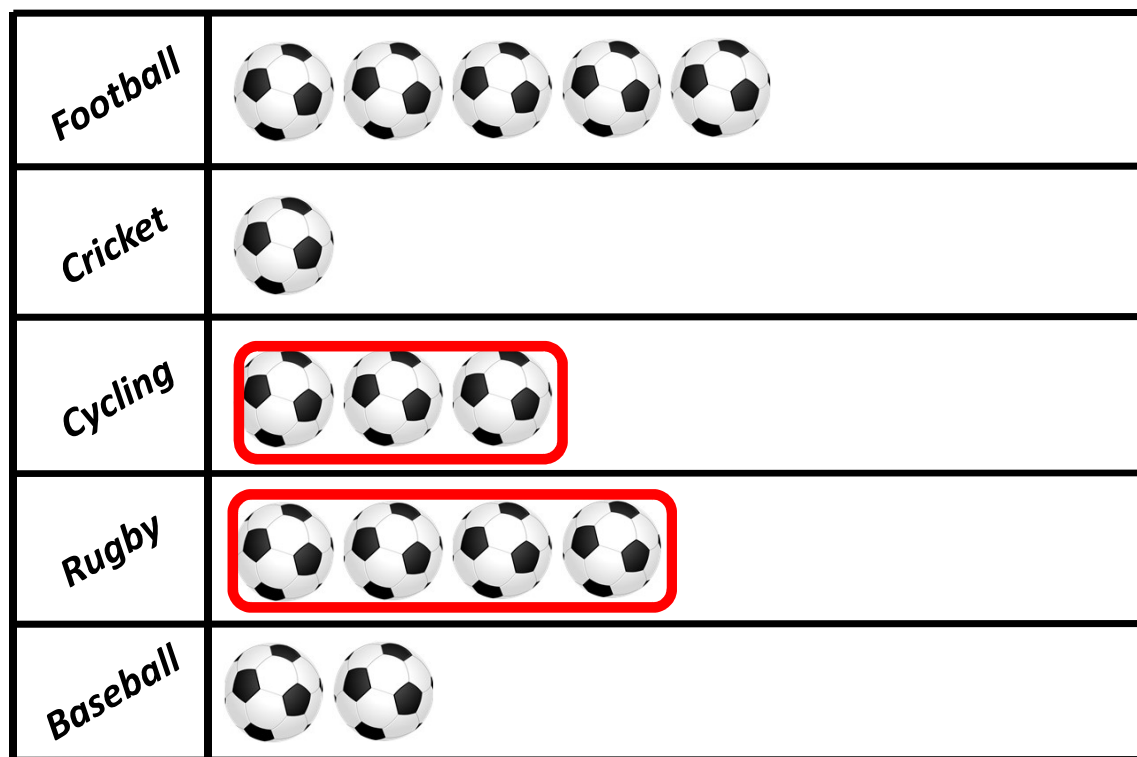
$$20 - 10 = 10$$

How many families go on holiday **in total**?

$$12 \times 5 = 60$$

LO: To solve comparison, sum and difference problems

A graph to show children's favourite hobbies



= 2 favourites

Now it's your turn. On a whiteboard, see if you can solve these questions:

Which sport is **2nd most popular**?

Rugby

How many children like **rugby** and **cycling**?

$$2 \times 4 = 8$$

$$2 \times 3 = 6$$

$$8 + 6 = 14$$

Which two sports, when added together, **equal** football?

Cricket & Rugby

Cycling & Baseball

LO: To solve comparison, sum and difference problems

	Monday	Tuesday	Wednesday	Thursday	Friday
12am	-2°C	-5°C	-6°C	-1°C	0.5°C
6am	1°C	-1°C	-4°C	5°C	7°C
12pm	7°C	3°C	1°C	9°C	12°C
6pm	5°C	-2°C	-3°C	6°C	8°C

Next, I'll show you how to answer some questions about the **table** to the left.

Which was the **hottest day** and **time**?

Friday 12pm

What is the **difference** in temperature between **Wednesday** and **Thursday** at **6am**?

9°C

LO: To solve comparison, sum and difference problems

	Monday	Tuesday	Wednesday	Thursday	Friday
Pizza Palace	£450	£220	£341	£112	£910
Steak Shack	£133	£481	£226	£847	£410
Lasagne Land	£429	£297	£558	£141	£671
Hotpot House	£781	£826	£44	£154	£842

Now it's your turn. On a whiteboard, see if you can solve these questions:

Which restaurant made the **least** money? On **which day**?

Hotpot House on Wednesday

Which restaurant earned the **most money** on **Friday**?

Pizza Palace

LO: To solve comparison, sum and difference problems

Some of us will even solve complex multi-step problems that involve detailed graphs and tables

Some of us will solve multi-step comparison, sum and difference problems

Most of us will answer questions about graphs and tables that require us to compare information from them

All of us will read graphs and tables to find out pieces of information about them

40

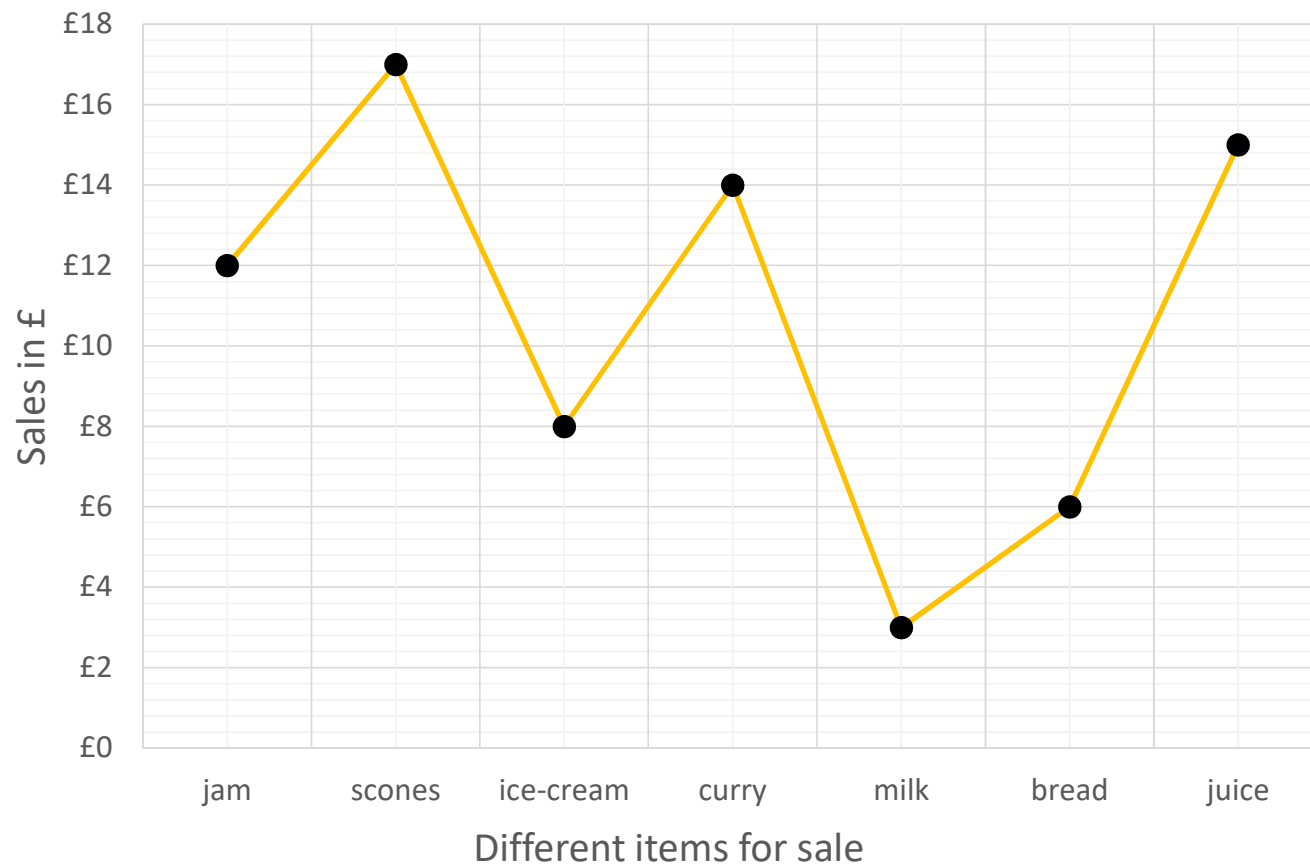
30

20

10

On your whiteboards...

A graph to show which items have sold in a shop



To finish off, see if you can solve these problems about the **line graph** to the left.

Which item made the **most money**?

The scones

Which item made the **least money**?

The milk

Which items, **when added together**, give a total of **£20**?

The jam and ice-cream

The scones and milk

The curry and bread