

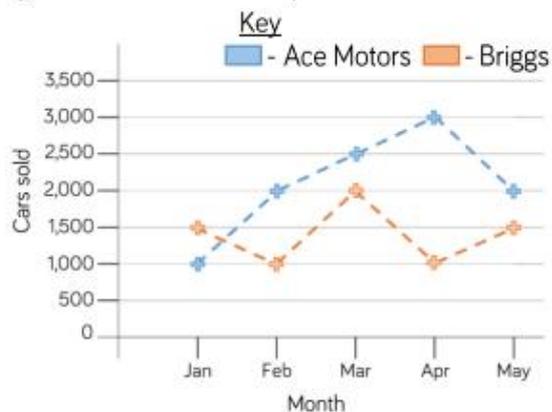
## Wednesday

**08.07.2020**

Good morning Longboats, how are you today?

### Starter

The graph shows the number of cars sold by two different companies.



- How many more cars did Ace Motors sell than Briggs in April?
- From January to March, how many cars did each company sell? Who sold more? How many more did they sell?
- Crooks Motors sold 250 more cars than Briggs each month. Plot Crooks Motors' sales on the graph.

### Main Activity

A scatter graph is the name for a graph where crosses or dots are used to show data. Once you have joined the dots together, you could also call this a **line graph**.

Tomorrow, you are going to create your own scatter graph showing data over time. This can be any kind of data that you want but it needs to be something you can research or collect from home or your classroom (if you are in school). You could use one of these ideas.

The population of a city that is important to you, over the years (it will be best to do this in jumps of 5 or 10 years).

The number of goals scored by a team or football player over the last season – this data should be fairly easy to find.

The temperatures in a country or location that is important to you (it could be your own home, where your family goes on holiday, where members of your family live or somewhere you've always wanted to visit) over a week or over the year.

Use the internet to investigate how the population of an endangered species has changed over time (like I did with the otters and the tigers).

You should also be able to find this information using the internet quite easily.

*It is sometimes difficult to find this data for years if you go back too far – people hadn't always started counting yet. If you can't find the exact number for a particular year, use the information you do have to make a guess.*

When you collect your data, it will probably be best to use a table. Lots of these measurements could be high so it would take a long time to draw a tally chart. You can use this table as a template or draw your own.

*The time scale (e.g. years, hours, matches)*

*The amount (e.g. goals, people, tigers)*


*Once you have collected the data, you can plan out your scatter graph using this success criteria.*

Question	My plan	Done!
What are the categories for my x axis?		
What am I going to label my x axis?		
What am I going to label my y axis?		
What will the <b>range</b> of my y axis be? (highest number)		
What will the scale of my y axis be? (what am I counting up in)		
Scatter graph title		
Y axis label		