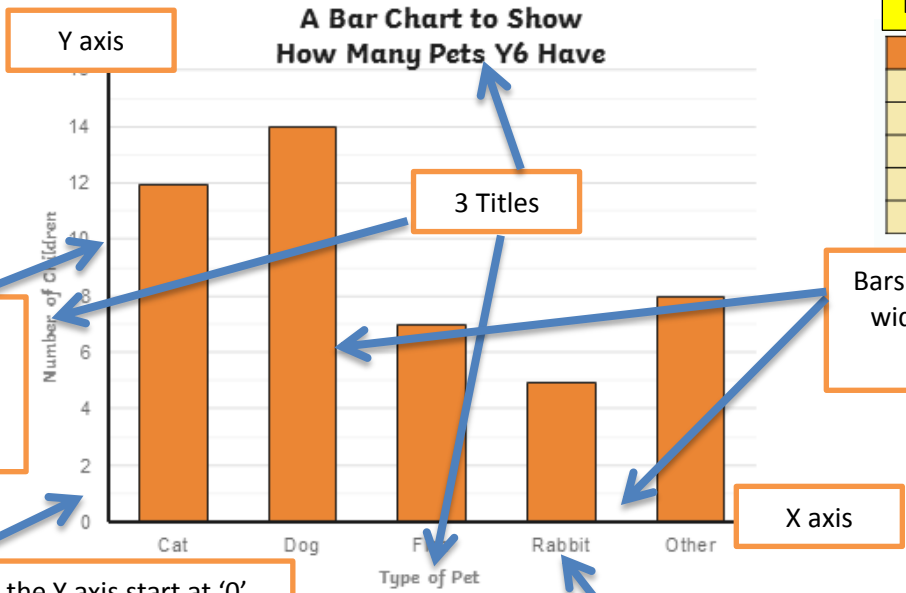


What is data?

REMINDER: The process of collecting, ordering and recording information so that it is easier to understand is called 'Data Handling' or 'Handling Data'.

There are many types of graphs and charts that are used to show data and we are going to revisit and explore them. Today it is **Bar Charts!**

EXAMPLE: Bar Chart



EXAMPLE: Frequency Chart

Pet	Number of Children
Cat	12
Dog	14
Fish	7
Rabbit	5
Other	8

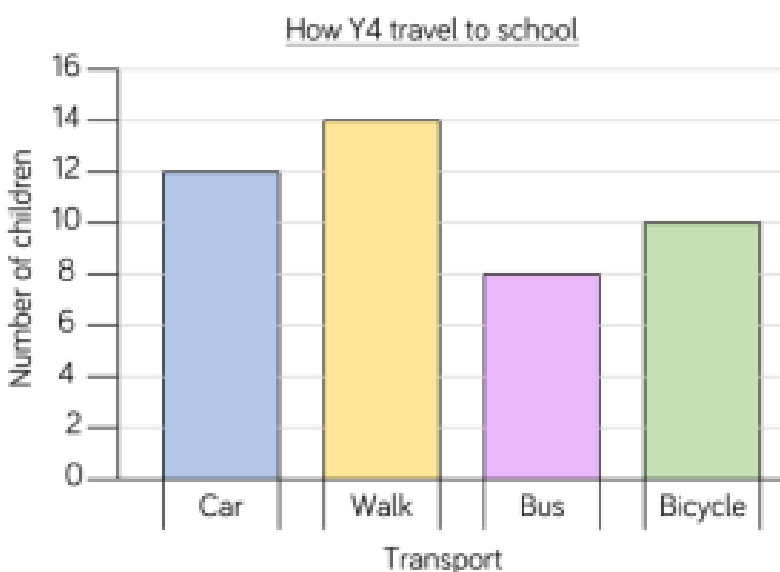
Numbers written on lines and are evenly spaced!

Bars are the exact same width and are evenly spaced out.

The scales on the Y axis start at '0' then go up in 2s. On other Bar Charts the scale could go up in 1s, 5s, 10s, etc what-ever suits your data but ALWAYS evenly spaced.

Categories written in 'spaces' and are evenly spaced!

1. Copy and complete the statements.



This Bar Chart the different methods some Y4 children travel to school.

- a) The Y axis shows how many children voted for different ways of getting to school. The units go up in
- b) is the most popular method.
- c) is the least popular method.
- d) The difference between the most popular method and the least popular is

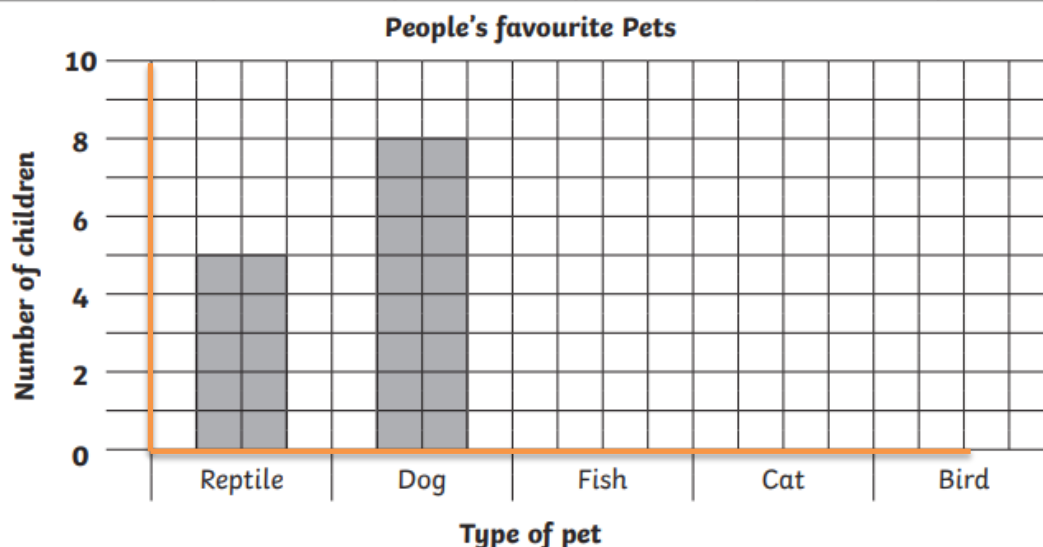
- e) How many children are there in Y4?
- f) Copy and complete this Frequency Chart with the information in the Bar Chart above.

Transport	Number of children
Car	
Walk	
Bus	
Bicycle	

2. A group of children record their favourite pets. Here are the results.

Copy and complete the bar chart using the information in the table. Use a pencil and a ruler. Make sure to include ALL the features highlighted with Blue Arrows in the example.

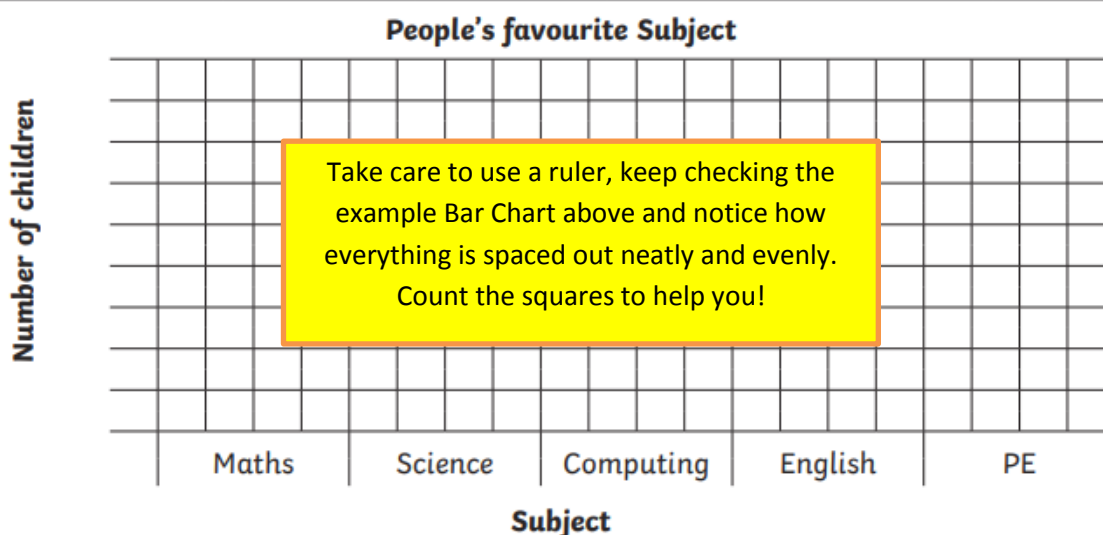
Favourite Pet	Reptile	Dog	Fish	Cat	Bird
Number of Children	5	8	8	7	6



3. The favourite subject of some children is collected. Here are the results.

Complete the bar chart on the grid below from the given information. Decide on a scale that fits the grid given.

Favourite Subject	Maths	Science	Computing	English	PE
Number of children	13	7	11	14	12



4. I asked members of my family (brother, sisters, nieces, nephews, grand-children, etc) what their favourite crisp flavour was. Below you will see the results. **You must**

construct a Bar Chart to represent these results. Include ALL the features as above!

Crisp flavours	Ready Salted	Cheese & Onion	Salt & Vinegar	Roast Chicken	Beef & Onion	Marmite
Number of people	12	8	14	8	7	1

- Which flavours were voted popular by an equal amount of people?
- Which was the most popular flavour?
- Which flavour was voted for seven times more than Beef & Onion?
- Which two flavours have a different of 11 votes?
- Which is the least popular flavour?
- How many family members voted altogether?
- I also voted. My family said I was the odd one out. Which flavour do you think I voted for?

CHALLENGE:

Here is some information about the number of tickets sold for a concert.

Day	Number of tickets sold
Monday	55
Tuesday	30
Wednesday	45
Thursday	75
Friday	85

Mohamed starts to construct a bar chart to represent the number of concert tickets sold during the week.



- What advice would you give to Mohamed about the scale he has chosen?
- What would be a better scale to use?
- Is there anything else missing from the bar chart?

- I would advise Mohamed to because
- I would suggest that going up in Would be better.
- Yes, the bar chart is missing,,