

## Handling data:

Why do we use graphs in Maths?

Graphs show us information as a visual image or picture. We call this information data.

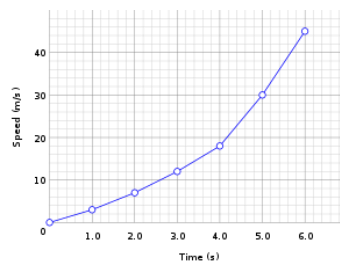
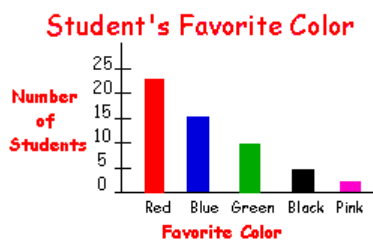
When we create a graph we need to do three things; organize, represent, and interpret.






Organise: Find out the information and record on a tally chart.



Represent: Choose the type of graph and use your information or data to create it.

Interpret: Find the answers to questions by looking at the graph.

There are different types of graphs, here are some examples,



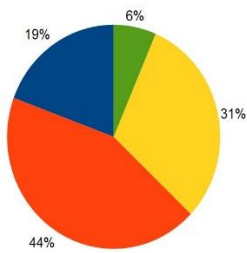
Varieties of Apples in a food store	
Red Delicious	
Golden Delicious	
Red Rome	
McIntosh	
Jonathan	

 = 10 apples     = 5 apples

Block or bar graphs.

Line graph

Pictogram



Pie Charts.

Get thinking:

Can you think of other subjects that use graphs?

Have you seen examples of graphs being used on the television?

## Your Challenge:

I would like you to decide on something you would like to investigate, for example this could be, the different types of drinks that are in your house, things in the garden, the number of each colours are there in a packet of sweets, favourite holiday activities, some type of internet research or anything that you are interested in.

You will need to:

**Organise:** Find out the information you want and record on a tally chart.

**Represent:** Choose the type of graph and use your information or data to create it.

This can be done on paper or you could do it online at:

<http://www.mathsisfun.com/data/graphs-index.html>

Click on Make your own Graphs - Math is Fun

Choose the type of graph you want to make

Enter the information.

Remember to give your graph a tittle

**Interpret:** Make up some questions that you can answer by looking at your graph. Find at least one fact that surprises you from your graph.

When you have finished you could take a photo and upload it to evidence for learning or email your work to me a: [plong@ellentinkham.devon.sch.uk](mailto:plong@ellentinkham.devon.sch.uk).

Good Luck, I am looking forward to seeing your investigations.

Self-evaluation:

		
Easy	Tricky	Too hard

Why did you think this?