

5. Using graphs

What this is about

This page shows how you can use a computer to look at your data. You will need to choose the best type of chart to draw.

Choose the best chart

This information is about a class of children. Across the top are the field names or headings.

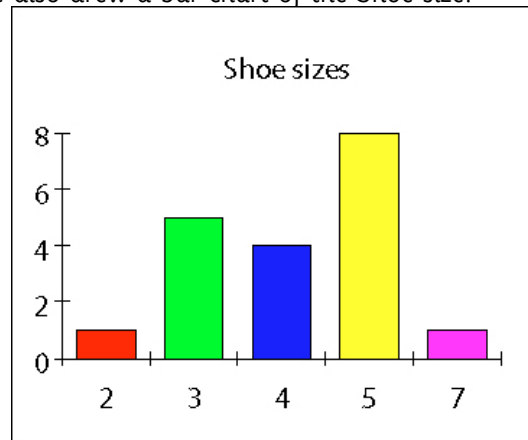
Name	Colour of Eyes	Colour of Hair	Height cm	Weight kg	Shoe Size	Boy/ Girl
Sertac	Brown	Black	129	29	3	Boy
Geoffrey	Blue	Brown	131	30	3	Boy
Ehsan	Brown	Black	131	32	3	Boy
Yit Kwon	Brown	Brown	138	32	4	Boy
Sonia	Blue	Brown	130	33	3	Girl
Tony	Hazel	Blond	133	34	2	Boy
Cara	Blue	Blond	137	37	5	Girl
Alistair	Brown	Black	132	37	4	Boy
Sam. A	Brown	Black	143	38	5	Boy
Sam. M	Brown	Black	137	39	5	Boy
Nahum	Brown	Black	142	40	5	Boy
Mustafa	Brown	Black	137	41	3	Boy
Paula	Brown	Brown	144	42	5	Girl
Andy	Brown	Black	143	42	5	Boy
Lee	Blue	Blond	142	43	4	Boy
Derek	Brown	Brown	145	43	4	Boy
Yucel	Blue	Brown	147	44	5	Boy
Amer	Brown	Black	144	47	5	Boy
Victor	Brown	Black	151	51	7	Boy

One way of using the computer to find things out is to draw graphs. For example, we wanted to find out about the mixture of boys and girls - so we drew a pie chart using the Boy/Girl field:

We wanted to find out about the class' shoe sizes so we drew a pie chart of the shoe size:

What are the two most common shoe sizes?

We also drew a bar chart of the Shoe size:



Questions

Compare the bar chart with the pie chart above. Which best shows the shoe sizes across the class?

How could you find the most common hair colours in the class?