

Topic 14: Handling data	Key ideas
<ul style="list-style-type: none"> <input type="checkbox"/> Understand the difference between types of data <input type="checkbox"/> Construct and interpret <ul style="list-style-type: none"> <input type="checkbox"/> Tables (including tally and two way) Mathswatch P4 <input type="checkbox"/> Bar charts (including comparative and composite) Mathswatch S2a and S2b <input type="checkbox"/> Pictograms Mathswatch S1a and S1b <input type="checkbox"/> Line graphs <input type="checkbox"/> Read and interpret pie charts Mathswatch S9 <input type="checkbox"/> Draw pie charts from raw data Mathswatch S9 <input type="checkbox"/> Explore misleading graphical representations 	<p>I know the difference between types of data.</p> <p>I can draw frequency tables for sets of data.</p> <p>I can draw and interpret pictograms, bar charts and vertical line charts.</p> <p>I can draw line graphs to predict trends.</p> <p>I can draw and interpret pie charts.</p>

Key vocabulary

Interpret	Explain the meaning.
Construct	To draw/make.
Data	Facts and statistics.
Quantitative	Numerical data (numbers).
Qualitative	Data that uses words rather than numbers.
Primary	Data collected by you.
Secondary	Data collected by someone else.
Composite	Composite bar charts have bars that represent multiple values. e.g. each bar could show the number of boys and the number of girls.
Comparative	Comparative bar charts show more than one bar next to each other for each category.
Misleading	Displaying data in such a way that may give the wrong idea.