



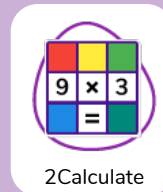
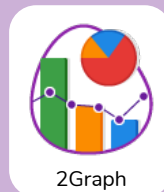
Year 6

Graphing

Key Learning

- To create comparative bar charts using graphing software.
- To create pie charts using graphing software.
- To create line graphs using graphing software.
- To present data in graphs to support an argument.

Key Resources



Key Vocabulary

Chart

A diagram that represents data. Charts include graphs and other diagrams such as pie charts or flowcharts.

Data

A collection of information, especially facts or numbers, obtained by observation, questions or measurement to be analysed and used to help decision-making.

Dual Bar Chart

A bar chart that displays two sets of data for each category to help provide easy comparisons between data sets.

Comparative Bar Chart

A bar chart displaying more than two datasets, it can be known as a comparative bar chart or multi-dataset bar chart.

Dataset

A collection or related numbers or values e.g. money raised each month for a specific charity.

Line Graph

A graph used to display information which can change over time. For example, temperature at different times of the day.

Pie Chart

A circular chart divided into segments which each represent a portion of the total amount.



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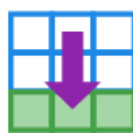
Key Images



Set Scale



Add Column



Add Row



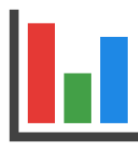
Notes



Pie Chart



Line Graph



Bar Chart



Export

Key Questions

What is graphing software?

Graphing software such as 2Graph can be used to create graphs. Instead of someone having to draw and plot a graph, graphing software does this for them.

What are the advantages of graphing software?

One of the main advantages to using software is the time it takes to make a graph is significantly reduced. Additionally, the ability to easily update data and make changes without having to draw a graph from scratch.

What are some of the key features?

Key features include being able to select between chart types at the click of a button as well as being able to change scale intervals without having to redraw a graph.

How can graphs be used to solve a problem?

Instead of looking at a table of data, graphs can show obvious trends visually. Because of this visual nature, problems can be identified and solutions found. For example, someone might see that more ice creams are sold in one month so knows to then order more.