

What should I already know?

- Sorting data according to criteria.
- Collecting and presenting data in a picture format.
- Use of 2Calculate to collect data and produce a graph.
- Enquiry into different data handling tools. Use of questioning to separate and group data.
- Logical thinking and debugging.
- Collecting data. Producing a graph.
- Sorting and interrogating data.
- Use of 2Dos. Saving, opening and editing work. Sharing work. Copying and pasting. Mouse, keyboard and device skills.

What will I know by the end of the unit?

What is 2Graph?

- You will set up a graph with a given number of fields.
- You will enter data for a graph.
- You will produce and share graphs made on the computer.
- You will select most appropriate style of graph for your data and explain your reasoning.

How can I use 2Graph to Solve an Investigation?

- You will solve a maths investigation.
- You will present the results in a range of graphical formats.
- You will use the sorting option to make analysis of their data easier.
- You will select most appropriate style of graph for your data and explain your reasoning.



Key Vocabulary

- **Axis** A fixed horizontal or vertical reference line for the measurement of coordinates or to plot data in a graph.
- **Data** A collection of information, especially facts or numbers, obtained by observation, questions or measurement to be analysed and used to help decision-making.
- **Row** Horizontal (across the page) divisions of a piece of work.
- **Chart** A diagram that represents data. Charts include graphs and other diagrams such as pie charts or flowcharts.
- **Graph** A diagram that represents data. There are specific layouts for graphs including bar graphs and line graphs.
- **Sorting** Organising data by a rule such as alphabetical or numerical.
- **Column** Vertical (down the page) divisions of a piece of work.
- **Investigation** A formal inquiry or systematic study.
- **Tally Chart** A way of recording how often something happens by counting in fives.

Key Questions

- **What is a graph?**

A diagram representing part of a set of data. Graphs can be drawn by hand or on the computer. There are different types of graphs.

- **What are the frame lines on the graph called?**

They are the axes. The axis that goes up and down (vertical) is called the 'y' axis and usually shows the amount. The axis that goes across (horizontal) is called the 'x' axis and shows what is being measured.

- **What different kinds of graphs are there?**

There are lots of different types of graphs including line graph, bar chart and pie chart.

Purple Mash Resources

- 2Graph

