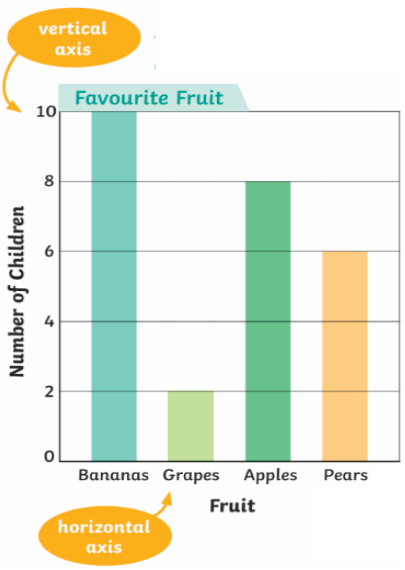
Knowledge Organiser

Year 3 — Statistics

Data is the word used to describe information. Data is used a lot in science and maths. It can be present in different ways and we need to be able to interpret the information presented to us in a table, chart or graph.

Builds from Year 2:	This year:	Leads to Year 4:
Interpret and construct simple pictograms, tally charts, tables and block diagrams. Ask and answer simple questions about data.	Interpret and present data using pictograms, bar charts and tables.	Interpret and present discrete and continuous data. Solve comparison, sum and difference problems.

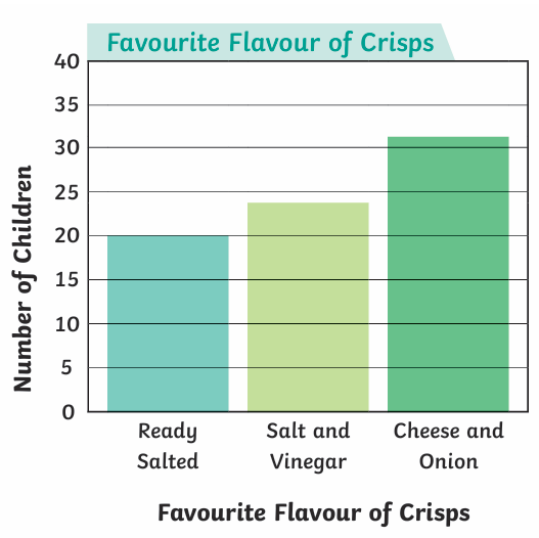
Bar Charts



Bars are used to show the data in each category.

There must be a gap between each bar.

Bar charts can have different **scales**.



Tables

To understand the data in a table, you must read the table's **title** and **headings**.

Always look at the heading above each piece of information.

title

Table to Show Ticket Prices at a Local Cinema

Ticket Type	Weekday Price	Weekend Price
Adult	£6	£7.50
Child	£4	£4.50
Student	£5.50	£6

heading

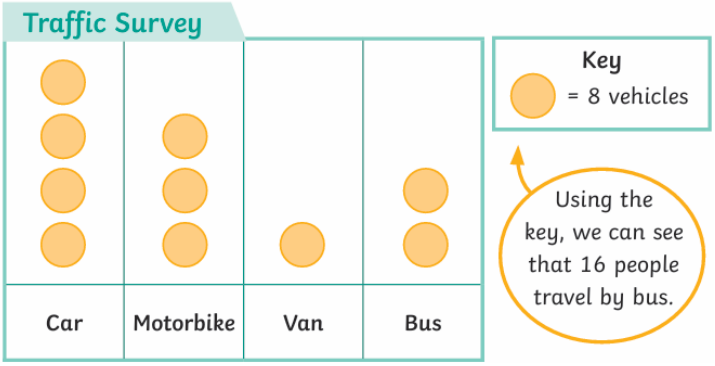
information

Using this table, we can see that on a Saturday, it will cost an adult and a child a total of £12 to visit the cinema.

Pictograms

Pictograms uses **symbols** to represent data.

A **key** is needed to show what each symbol represents.



Key Vocabulary

data **pictogram** **symbol** **bar chart** **horizontal axis** **vertical axis** **axes** **scale** **intervals** **table** **interpret**