Statistics — Knowledge Organiser

Key Vocabulary

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

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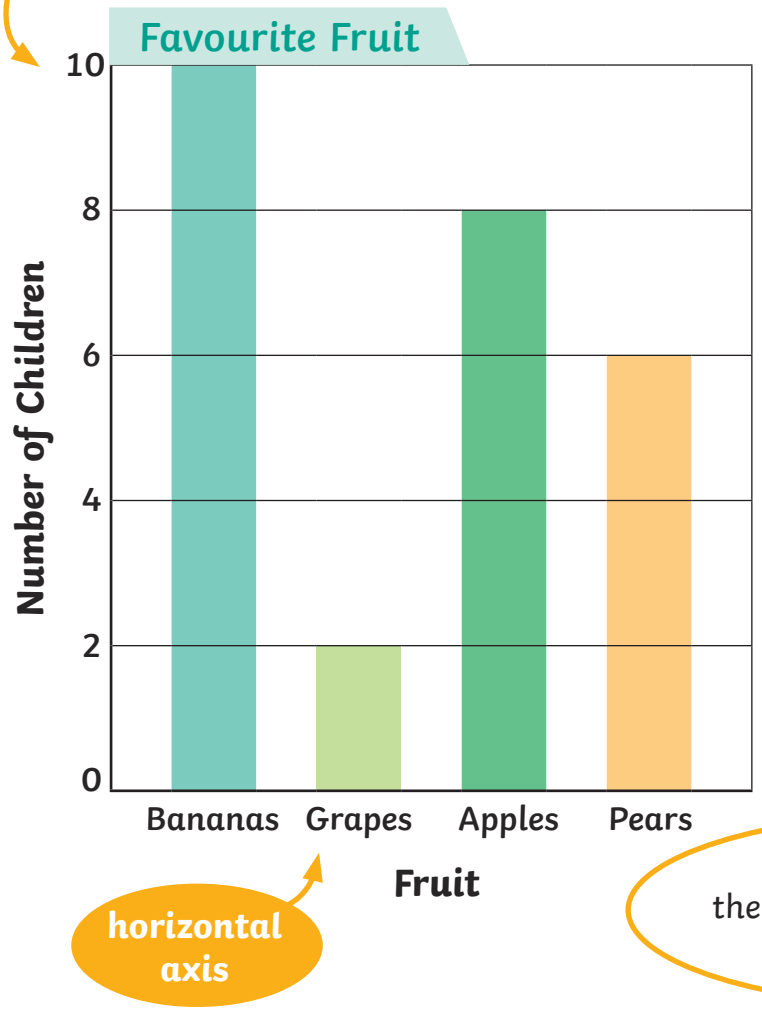
Bar Charts

Bars are used to show the data in each category. There must be a gap between each bar. Bar charts can have different scales.

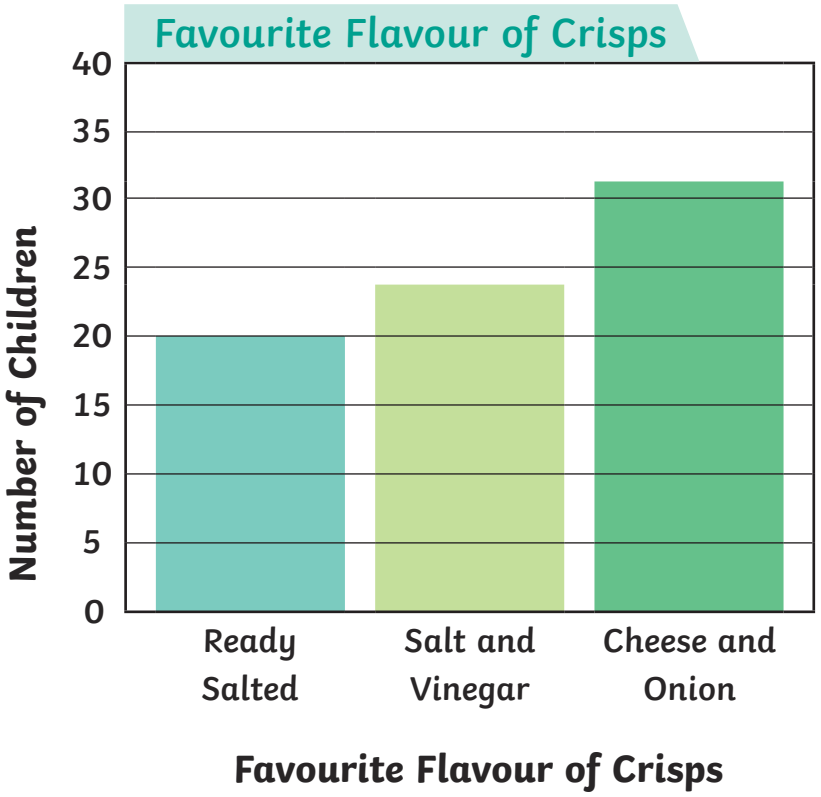
vertical axis

The scale on this bar chart counts in twos.



horizontal axis

The scale on this bar chart counts in fives.



The scale on the bar chart depends on the range of the data.

Statistics

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Tables

In order to understand the data presented in a table, you must read the table's title and the headings. Remember to always look at the heading above each piece of information.

title

Table to Show Ticket Prices at a Local Cinema

heading

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

information

Using the table, we can see the cost of an adult and a child visiting the cinema on a Monday would be £10.

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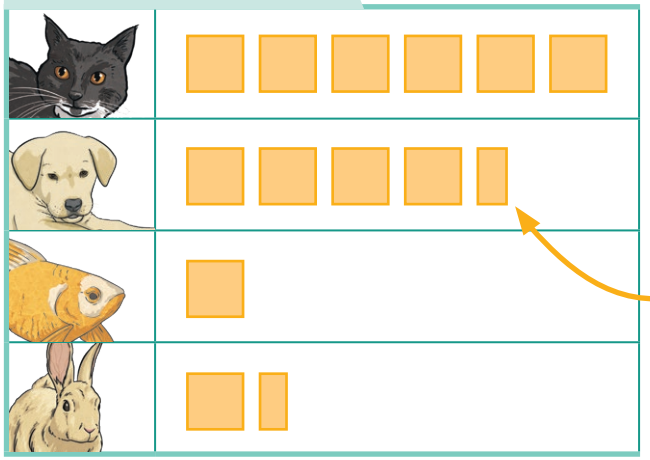
Pictograms

Pictograms use pictures or symbols to represent data. The key shows what each symbol represents. This pictogram uses 1 symbol to represent 2 pets.

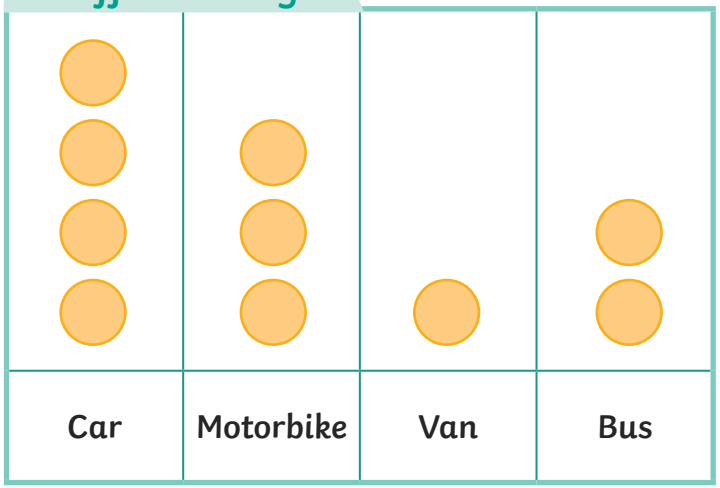
Class A's Pets



Key
= 2 pets

To represent 1 pet, a picture of half a square is used.

Traffic Survey



Key
= 8 vehicles

Using the key, we can see that 16 people travel by bus.