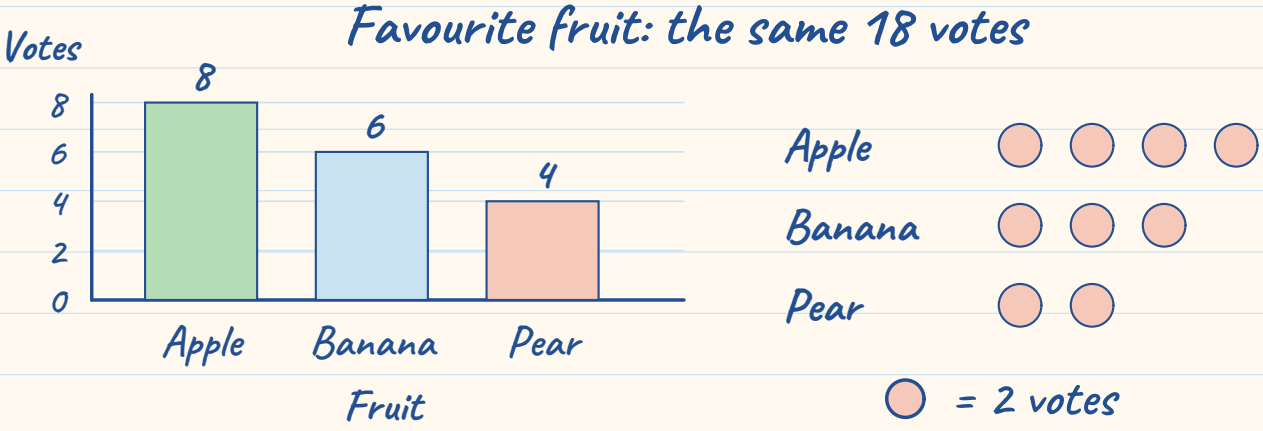
Reading and making data displays

Statistics · VC2M4ST01

Data helps us answer questions using evidence.



☆ Collect data to answer a question

Which class fruit snack? Favourite fruit gives categorical data.

How many pets? Whole-number counts give discrete numerical data.

Use a digital form or spreadsheet; record each response.

☆ Read and make a pictograph

A key tells you the value of each picture: 1 picture = 2 votes.

4 pictures × 2 = 8 votes; half a picture means 1 vote.

To draw 8 votes: 8 ÷ 2 = 4 pictures.

☆ Make a column graph

Count frequencies in a table; draw columns for the totals.

Give a title and axis labels; use equal scale steps from 0.

Use equal-width columns with gaps; a dot plot shows each value.

☆ Read counts and frequencies

Frequency means how often a value occurs.

Pets: 0, 1, 1, 2. The value 1 has a frequency of 2.

Fruit: 18 votes; apple 8 – pear 4 = 4 more apple votes.

Remember...

Read the scale and key before counting pictures or columns.

Graph your own data digitally; explain the answer to your question.