Suitable displays

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Choose a display for the number of pupils choosing each of four sports. [1 mark]

The sports are separate categories; compare their counts.

Answer: A column graph.

2. Choose a display for temperature recorded each hour through one day. [1 mark]

Ordered time shows how a measurement changes.

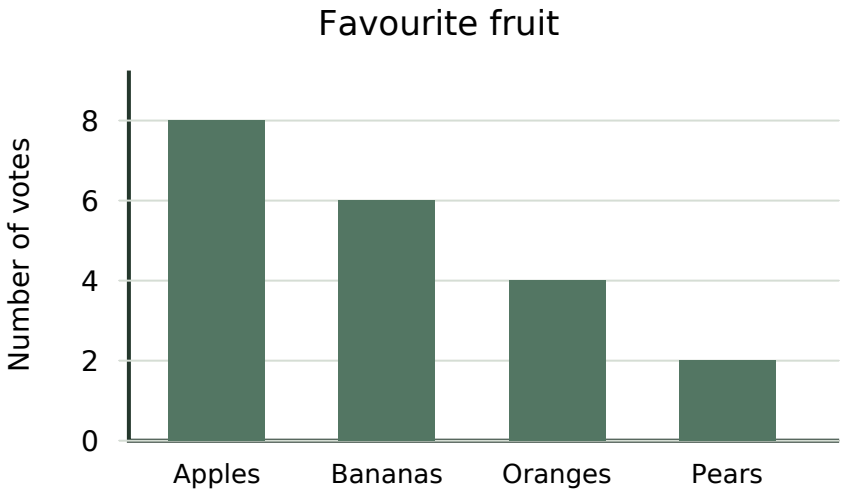
Answer: A line graph.

3. Choose a display to look up the exact price of each lunch item. [1 mark]

A table pairs each item with its exact price.

Answer: A table.

4. What does the vertical axis of the supplied fruit graph measure? [1 mark]



The axis label names the count represented by column height.

Answer: Number of votes.

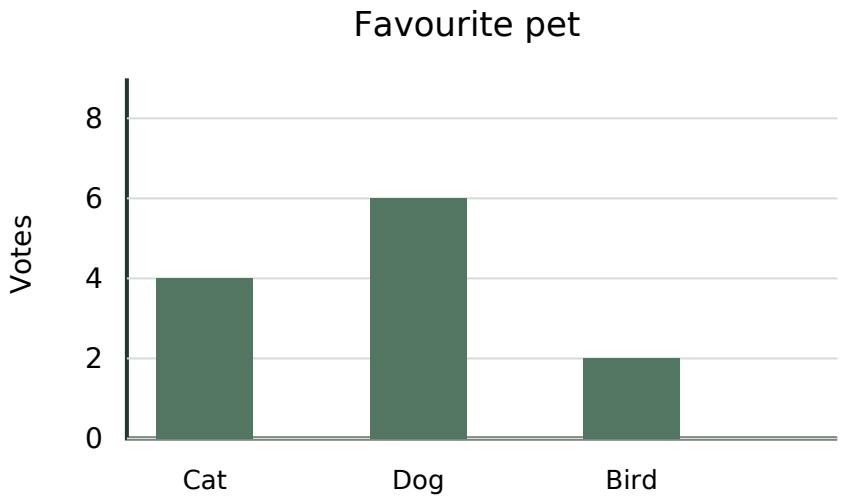
5. Equal grid intervals on a graph are labelled 0, 2, 4, 8, 10. Is this scale fair?
[2 marks]

The changes are 2, 2, 4 and 2.

A consistent scale could be 0, 2, 4, 6, 8.

Answer: No. Equal distances must represent equal changes.

6. Draw a column graph for Cat 4, Dog 6, Bird 2. Give it a title, labels and fair scale.
[3 marks]



Use equal-width columns and equal gaps.

Label each category and the number axis.

Answer: A valid graph has Cat, Dog and Bird columns of heights 4, 6 and 2; title Favourite pet; vertical axis Votes from 0 to 6 in equal steps.