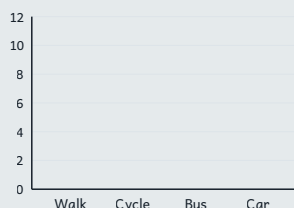


Constructing and interpreting bar and multiple bar charts

MODULE 9 · DATA AND CHANCE REVIEW

A **bar chart** shows category totals as bar heights. A **multiple bar chart** puts two groups side by side to compare.



→ Equal bar widths, even gaps, and a labelled, evenly-scaled axis.

HOW TO ANSWER TODAY

- **Y-axis scale.** Pick a step that makes the tallest bar fit but isn't so small the chart is huge.
Tallest = 75 → use steps of 10 (about 8 grid lines), not 1 (75 lines)
- **Read a bar chart.** Read the top of each bar. Check the y-axis scale to see what each grid line is worth.
Each grid line = 5, bar reaches the 4th line → value is 20

WARM-UP

- Saoirse is drawing a bar chart of how much pocket money 5th class pupils saved over the half-term. The tallest bar on her chart will reach **5 euro**. Choose a sensible step for the y-axis from **1**, **5** or **10** so the chart shows about **10** to **15** grid lines from **0** to the top.
You are drawing a bar chart and the largest bar will be 5. Choose a sensible y-axis step from 1, 5 or 10 so the chart shows about 10 to 15 grid lines from 0 to the top.
- For Healthy Eating Week, the whole of 5th and 6th class voted for their favourite fruit and Saoirse drew a bar chart of the results for the noticeboard. The bars showed Apple: **23**, Pear: **11**, Orange: **22**, Banana: **16**. Which fruit was the most popular?
A bar chart shows favourite fruit in a class.
Apple: 23, Pear: 11, Orange: 22, Banana: 16.
Which fruit was most popular?

PRACTICE

- Saoirse's class made a bar chart of their favourite fruits for a healthy-eating survey. Apple got **23** votes, Pear got **32** votes, Orange got **11** votes and Banana got **34** votes. By how many votes does the Orange bar differ from the Pear bar?
A bar chart shows fruit preferences in a class. Apple: 23, Pear: 32, Orange: 11, Banana: 34. By how much does the Orange bar differ from the Pear bar?
- Tadhg is drawing a bar chart of the hurling scores from the Cumann na mBunscol blitz. The highest score on any bar will be **54** points. He needs to pick a sensible step for the y-axis from **1**, **5** or **10** so the chart has about **10** to **15** grid lines from **0** up to the top. Which step should Tadhg choose?
You are drawing a bar chart and the largest bar will be 54. Choose a sensible y-axis step from 1, 5 or 10 so the chart shows about 10 to 15 grid lines from 0 to the top.