

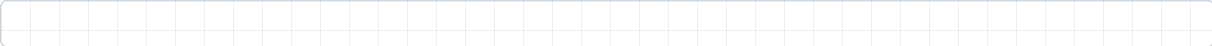
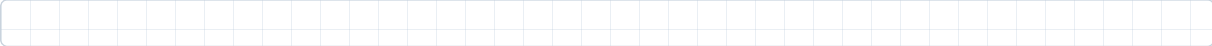
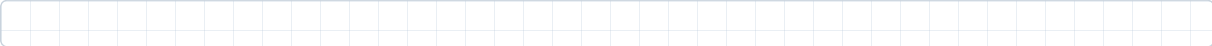
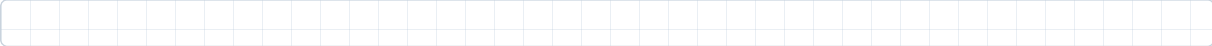
Constructing and interpreting bar and multiple bar charts

MODULE 9 · DATA AND CHANCE DATA & CHANCE

HOW TO ANSWER TODAY

- **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
- **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)

STRETCH PROBLEMS

- 1 A bar chart on the 6th class noticeboard shows which fruit pupils liked best. Apple got **6** votes, pear got **33**, orange got **11** and banana got **28**. How many pupils took part in total?

- 2 Saoirse is drawing a bar chart to show the daily-question results across the week for 6th class. The largest bar will be **91**. 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?

- 3 Cian is drawing a bar chart to show how many books each class read in the October reading challenge. The largest bar will be **181**. Which sensible y-axis step should he choose from **1**, **5** or **10** so the chart shows about **15** to **20** grid lines from **0** to the top?

- 4 Méabh is drawing a bar chart of the money each pupil in 6th class raised for the sponsored walk. The largest bar will be **€191**. Choose a sensible y-axis step from **1**, **5** or **10** so the chart shows about **15** to **20** grid lines from **0** to the top.

- 5 Aoife is drawing a bar chart of books read by each child in the October reading challenge. The largest bar will be **97**. 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.
