

Trend graphs and reading line graphs

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

 STRETCH PROBLEMS

- In PE, 6th class record how many laps each pupil runs over a month. The largest total is 82. You are drawing a bar chart of the results. Which y-axis step from 1, 5 or 10 would give about 10 to 15 grid lines from 0 to the top?
- Cian is drawing a bar chart of books each child in 6th class read in the October challenge. The tallest bar will be 103. 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 a healthy-eating project, 6th class made a bar chart of fruit preferences. Apple was chosen by 33 pupils, pear by 13, orange by 21, banana by 16 and plum by 34. How many pupils took part in total?
- The 6th class have recorded their reading scores from weekly tests over the term. Saoirse is drawing a bar chart and the largest bar will be 178. 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.
- The whole school ran a favourite-fruit survey and showed the results on a bar chart. Apple got 10 votes, pear got 28, orange got 20, banana got 23 and plum got 39. How many pupils took part in total?