Bar charts with a scale of two

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. Ms Ní Cheallaigh's 4th class made a bar chart of books read by each child during the October reading challenge. The chart shows Apple group: **13**, Pear group: **37**, Orange group: **24**, Banana group: **11**, Plum group: **21** books. How many books did the class read in total?

   > A bar chart shows fruit preferences in a class. Apple: 13, Pear: 37, Orange: 24, Banana: 11, Plum: 21. How many pupils took part in total?

2. Ms Murphy's 4th class made a bar chart of fruit chosen at lunchtime over one week. Apple got **29** votes, Pear got **10**, Orange got **27** and Banana got **17**. By how much does the Orange bar differ from the Pear bar?

   > A bar chart shows fruit preferences in a class. Apple: 29, Pear: 10, Orange: 27, Banana: 17. By how much does the Orange bar differ from the Pear bar?

3. Mr Ó Briain is drawing a bar chart on the classroom whiteboard to show the books read by each child in the October reading challenge. The child who read the most finished **37** books. Choose a sensible step for the y-axis from **1**, **5** or **10** so that the chart shows about **10** to **15** grid lines from **0** up to the top.

   > You are drawing a bar chart and the largest bar will be 37. 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.