

Making a block graph with a scale of one

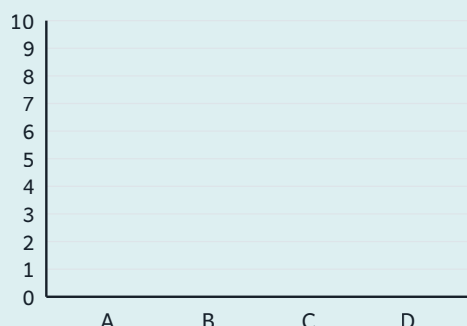
MODULE 9 · DATA AND CHANCE DATA & CHANCE

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)

TRY IT ON THE LINE

Draw the bars for the class data, then read the chart.



1. Draw a bar for each category to the right height.
2. Label the scale clearly (in 1s or 2s).
3. Answer: which is most? which is least? how many more?

PRACTICE

- 1 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.

- 2 4th class made a bar chart of favourite fruits in the class. Apple got 23 votes, Pear got 32, Orange got 11 and Banana got 34. By how much 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?

CHALLENGE

- 1 Tadhg is drawing a bar chart of hurling scores from the Cumann na mBunscol blitz, and the highest team total was 117 points. He wants about 10 to 15 grid lines from 0 up to the top of the chart. Should he choose a y-axis step of 1, 5 or 10?

You are drawing a bar chart and the largest bar will be 117. 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.

- 2 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?