

Constructing and interpreting bar and multiple bar charts

MODULE 9 · DATA AND CHANCE DATA & CHANCE

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)

★ STRETCH PROBLEMS

- 1 Cian's 5th class did a survey of how all **228** pupils in the school travel to school each day. He is drawing a bar chart and the tallest bar will reach **228**. From the steps **1**, **5** or **10**, which one should he choose for the y-axis so the chart shows about **10** to **15** grid lines from **0** up to the top?
- 2 Cian is drawing a bar chart in his maths copy to show the daily-question results across a week in 5th class. The tallest bar will reach **117** correct answers. He needs to 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. Which step should Cian choose?
- 3 5th class are drawing a bar chart of the rainfall logged on the school weather chart over a fortnight. The wettest day measured **117 mm** and they need to 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. Which step should they pick?
- 4 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?
- 5 Aoife is drawing a bar chart of how many pupils answered the daily question correctly each day last week in 5th class. The tallest bar will reach **34**. From the choices **1**, **5** or **10**, which step for the y-axis gives about **10** to **15** grid lines from **0** to the top?



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