

Sorting data with Carroll and Venn diagrams

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
- **Tally marks.** Tally marks come in gates of 5. Count gates × 5, then add the singles.
3 gates + 2 singles → $3 \times 5 + 2 = 17$

STRETCH PROBLEMS

- 1 At the Cumann na mBunscol hurling blitz, 4th class made a bar chart of the points each team scored. Naomh Pádraig scored **17**, Naomh Bríd scored **26**, Naomh Colm scored **12**, Naomh Áine scored **31** and Naomh Rónán scored **29**. How many points were scored in total across all the teams?
- 2 At home time, 3rd class make a bar chart of the colours of cars passing the school gate. The bars show Silver: **20**, Red: **13**, Black: **27**, Blue: **21** and White: **19**. How many cars did they count in total?
- 3 For a school-wide fruit survey, 3rd and 4th class made a bar chart of the pieces of fruit brought in for the healthy-eating week. The bars showed Apple: **17**, Pear: **30**, Orange: **18**, Banana: **19** and Plum: **32**. How many pieces of fruit were brought in altogether?
- 4 In a favourite-sport survey, 3rd class filled in a frequency table for the whole class. Hurling got **4** votes, Gaelic football got **14** votes and soccer got **10** votes. What is the total number of responses across all three rows?
- 5 At home time, Oisín keeps a tally of red cars passing the school gate. His chart shows **2** full gates of **5**, with **0** extra single marks. How many red cars did Oisín count in total?