

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 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?
- 3 At home time, Tadhg keeps a tally of the cars passing the school gate and counts **30** red cars in total. He records the count using gate marks, where each group is **5**. How many complete groups of **5** will his tally have, and how many extra single marks?
- 4 3rd class did a survey of favourite fruit at break time. They tallied **21** votes for apples, **13** votes for bananas and **7** votes for grapes. How many votes did they record in total?
- 5 For a traffic survey, 4th class made a bar chart of the car colours passing the school gate at home time one afternoon. The chart shows Silver: **21**, Red: **28**, Blue: **39**, Black: **20** and White: **33**. How many cars did they count in total?



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