# 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 × 5 + 2 = 17

## STRETCH PROBLEMS

1. 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?

2. Mr Ó Briain's the class do a survey on pocket money and find that **12** pupils get a small amount each week. He records the **12** responses as a tally using gate marks. How many full groups of **5** will the tally have, and how many extra single marks?

   > A class survey records 12 responses for one option. How many groups of 5 (gate marks) will the tally have, and how many extra single marks?