

Data and chance investigation: survey and show

 STRETCH PROBLEMS

- 1 Clodagh asked her class, 'How do you get to school?' Her tally shows walk **2** gates of five and **4** strokes, car **1** gate of five and **1** stroke, bus **3** strokes and cycle **2** strokes. Write the number for each answer. How many pupils did she ask?
- 2 Clodagh's results are walk **14**, car **6**, bus **3** and cycle **2**. What is the mode? Write a chance sentence about how the next pupil she asks will travel.
- 3 Pól's survey results are **16**, **11**, **5** and **2**. His page has room for only **10** squares up the side. Should his bar chart count up the side in ones or in twos? Where will the bar for **11** stop?
- 4 Two classes voted for a school tour. Ms Ryan's class: zoo **12**, farm **9**, beach **6**. Mr Doyle's class: zoo **7**, farm **14**, beach **5**. What is the mode for each class? If both classes go on one tour together, which trip has the most votes altogether?
- 5 Tadhg wants to find out his class's favourite school dinner. Put these jobs in the right order: draw the bar chart; ask the question; read off the mode; keep a tally.

INVESTIGATE

Survey the class

Pose one question the whole class can answer (for example favourite break-time game or how they travel to school). Collect the answers in a tally, show them in a **pictogram or bar chart**, name the **mode**, and write one sentence about what is **likely** if you asked another 3rd Class.