

Posing a question and tallying the data

MODULE 7 · DATA, CHANCE AND THE CO-ORDINATE PLANE DATA & CHANCE

HOW TO ANSWER TODAY

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

★ STRETCH PROBLEMS

- 1 Mr Ó Briain keeps a frequency table of reading-test scores for 5th class across the term. **19** pupils scored in the lowest band, **13** in the middle band, and **16** in the top band. How many pupil scores are recorded in the table altogether?
- 2 5th class do a science investigation timing how fast water trickles through three types of soil. The frequency table shows **21** trials with sandy soil, **13** trials with clay soil and **7** trials with garden soil. How many trials did the class run in total?
- 3 Mr Ó Briain keeps a tally of laps run by 5th class during PE across the month of October. By the end of the month, Oisín has run **26** laps in total. When his laps are shown as a tally with gate marks, how many complete groups of **5** will there be, and how many extra single marks?
- 4 Cian keeps a weather tally on the 5th class noticeboard over a fortnight. He records **30** cloudy mornings in total, using gate marks of **5**. How many groups of **5** will his tally have, and how many extra single marks?
- 5 Mr Ó Sé surveys 5th class to find out how many pupils are taller than **1.4 m**. He records **12** pupils in his tally chart. How many complete groups of **5** (gate marks) will the tally have, and how many extra single marks?