

# Frequency tables and grouped data

MODULE 9 · DATA AND CHANCE REVIEW

A **frequency table** records how often each value occurs. For lots of values, use **groups** (class intervals).

Category	Tally	Count
0-9		
10-19		
20-29		
30-39		

→ Group ages as 0-9, 10-19, 20-29... and tally into each.

### HOW TO ANSWER TODAY

- **Tally marks.** Tally marks come in gates of 5. Count gates × 5, then add the singles.

3 gates + 2 singles →  $3 \times 5 + 2 = 17$

### WARM-UP

- 1 Niamh is doing a class survey on how pupils get to school each day. For pupils who cycle, she records 1 full gate of 5 tally marks and then 2 extra single marks. How many pupils does this represent in total?

A tally chart shows 1 groups of 5 (gate marks) plus 2 extra single marks. How many items does this represent in total?

- 2 Mr Ó Briain keeps a tally chart of the pupils who got full marks in the weekly reading test across the term. The chart shows 1 gate mark of 5, then 4 more single marks beside it. How many full-marks scores does the chart show in total?

A tally chart shows 1 groups of 5 (gate marks) plus 4 extra single marks. How many items does this represent in total?

### PRACTICE

- 1 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?

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?

- 2 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?

A class survey records 26 responses for one option. How many groups of 5 (gate marks) will the tally have, and how many extra single marks?