

# Tally charts to frequency tables

MODULE 9 · DATA AND CHANCE DATA & CHANCE

## HOW TO ANSWER TODAY

- **Tally marks.** Tally marks come in gates of 5. Count gates  $\times$  5, then add the singles.  
 $3 \text{ gates} + 2 \text{ singles} \rightarrow 3 \times 5 + 2 = 17$
- **Read a bar chart.** Read the top of each bar. Check the y-axis scale to see what each grid line is worth.  
 $\text{Each grid line} = 5, \text{ bar reaches the 4th line} \rightarrow \text{value is } 20$

## TRY IT ON THE LINE

Record the class survey as a tally, then count the totals.

Category	Tally	Count
Option 1		
Option 2		
Option 3		
Option 4		

1. Make one tally mark for each response.
2. Cross the fifth mark to make a gate of five.
3. Write the total for each row.

## PRACTICE

- 1 Cara surveys 4th class about their favourite weekend treat. She gets **26** responses for ice cream and records them as a tally on the board. How many groups of **5** (gate marks) will the tally have, 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?

- 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?

## CHALLENGE

- 1 Mr Ó Briain runs a daily question for 3rd class and writes the results in a frequency table. The three answer choices got **16**, **16** and **7** votes across the week. How many responses are there in total?

A frequency table for a class survey has 3 rows with these counts: 16, 16, 7. What is the total number of responses across all rows?

- 2 Ms Ní Cheallaigh's 4th class made a bar chart of books read by each child during the October reading challenge. The chart shows Apple group: **13**, Pear group: **37**, Orange group: **24**, Banana group: **11**, Plum group: **21** books. How many books did the class read in total?

A bar chart shows fruit preferences in a class. Apple: 13, Pear: 37, Orange: 24, Banana: 11, Plum: 21. How many pupils took part in total?