

# Comparing two data sets

MODULE 9 · DATA AND CHANCE

DATA &amp; 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
- **Range (spread).** Range = BIGGEST minus SMALLEST.  
5, 12, 8, 3, 15 →  $15 - 3 = 12$
- **Mode (most common).** The mode is the number that appears MOST OFTEN.  
2, 2, 3, 5, 2, 7 → 2 appears three times → mode is 2

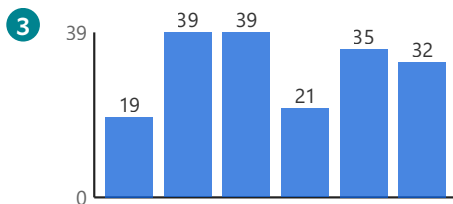
## STRETCH PROBLEMS

- 1 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?

- 2 4th class made a bar chart of favourite fruits in the class. Apple got **23** votes, Pear got **32**, Orange got **11** and Banana got **34**. By how much does the Orange bar differ from the Pear bar?

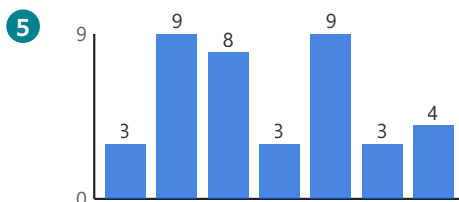
A bar chart shows fruit preferences in a class. Apple: 23, Pear: 32, Orange: 11, Banana: 34. By how much does the Orange bar differ from the Pear bar?



Oisín writes his weekly spelling-test scores in his copybook across one term. His scores out of **40** are **19**, **39**, **39**, **21**, **35** and **32**. What is the range of his scores?

- 4 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?



Méabh asks **7** pupils in 4th class how many minutes it takes them to walk to school. Their answers are **3**, **9**, **8**, **3**, **9**, **3** and **4 minutes**. What is the mode of the walking times?