

Comparing data sets and drawing inferences

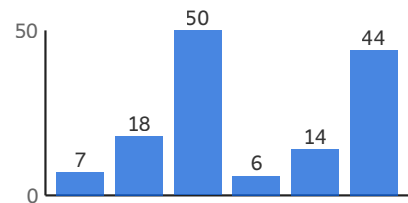
MODULE 9 · DATA AND CHANCE DATA & CHANCE

HOW TO ANSWER TODAY

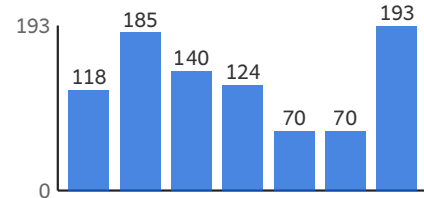
- **Median (middle).** Put the numbers in ORDER. The median is the middle one. If two middles, take their mean.
- **Range (spread).** Range = BIGGEST minus SMALLEST.
- **Mode (most common).** The mode is the number that appears MOST OFTEN.

STRETCH PROBLEMS

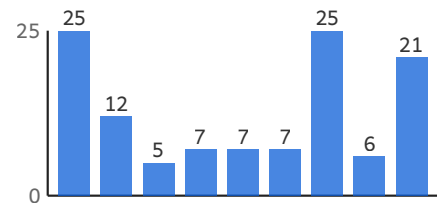
- 1 During a science investigation, 6th class time how fast water trickles through six soil samples. The times recorded in seconds are **7**, **18**, **50**, **6**, **14** and **44**. What is the median time?



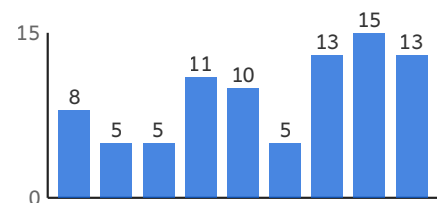
- 2 Aoife's group in 6th class timed how long water took to trickle through different soil samples in their science investigation. The times in seconds were **118**, **185**, **140**, **124**, **70**, **70** and **193**. What is the range of these times?



- 3 Cian checks the school's outdoor thermometer each morning for the 6th class weather chart. The temperatures in degrees Celsius are **25**, **12**, **5**, **7**, **7**, **25**, **6** and **21**. What is the mode of these temperatures?



- 4 Aoife recorded the daily temperatures from the school's outdoor thermometer for her weather chart. The readings in degrees Celsius were **8**, **5**, **5**, **11**, **10**, **5**, **13**, **15** and **13**. What is the mode of the temperatures?



- 5 Cara checks the school weather chart. The rainfall readings in millimetres are **27**, **43**, **22**, **13**, **46** and **26**. What is the mean rainfall?

