

Comparing data sets and drawing inferences

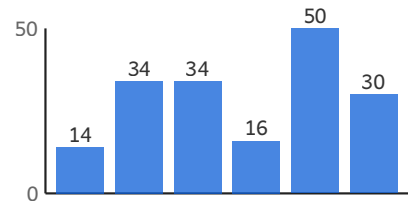
MODULE 9 · DATA AND CHANCE DATA & CHANCE

HOW TO ANSWER TODAY

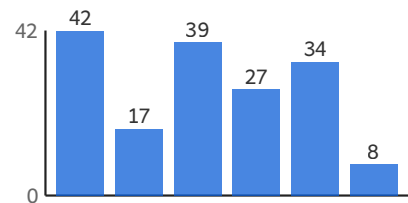
- **Median (middle).** Put the numbers in ORDER. The median is the middle one. If two middles, take their mean.
- **Range (spread).** Range = BIGGEST minus SMALLEST.
- **Mode (most common).** The mode is the number that appears MOST OFTEN.

STRETCH PROBLEMS

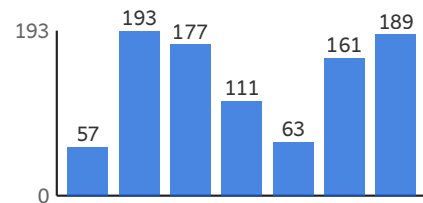
- 1 Mr Daly's 5th class tracked the rainfall on six rainy days during a fortnight in October. The amounts in millimetres were **14**, **34**, **34**, **16**, **50** and **30**. What is the median rainfall across these six days?



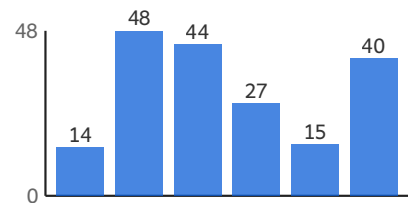
- 2 5th class kept the points scored by their hurling team in six games at the Cumann na mBunscol blitz: **42**, **17**, **39**, **27**, **34** and **8**. What is the median number of points scored across the six games?



- 3 5th class are running a sponsored read for the school library. The seven pupils in the reading group read **57**, **193**, **177**, **111**, **63**, **161** and **189** pages over the month. What is the range of the page counts?



- 4 For a science investigation, Saoirse times how many seconds it takes for water to trickle through six different soil samples. The times are **14**, **48**, **44**, **27**, **15** and **40 seconds**. What is the median time?



- 5 In a 5th class science investigation, the pupils time how many seconds it takes for a cup of water to trickle through a jar of soil. Their seven recorded times in seconds are **3**, **9**, **8**, **3**, **9**, **3** and **4**. What is the mode of the times?

