What does our class look like?

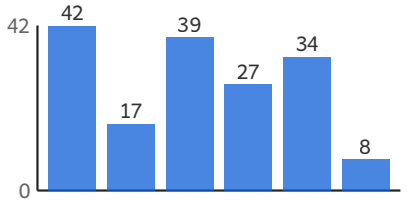
MODULE 7 · DATA, CHANCE AND THE CO-ORDINATE PLANE DATA & CHANCE

HOW TO ANSWER TODAY

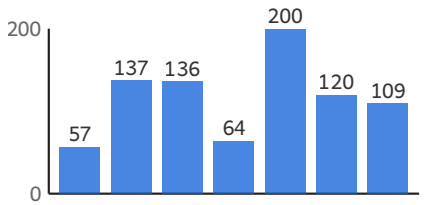
- **Median (middle).** Put the numbers in ORDER. The median is the middle one. If two middles, take their mean.
  1, 3, 5, 7, 9 → median 5 2, 4, 6, 8 → middles 4 and 6 → median 5
- **Range (spread).** Range = BIGGEST minus SMALLEST.
- **Mode (most common).** The mode is the number that appears MOST OFTEN.
  2, 2, 3, 5, 2, 7 → 2 appears three times → mode is 2

STRETCH PROBLEMS

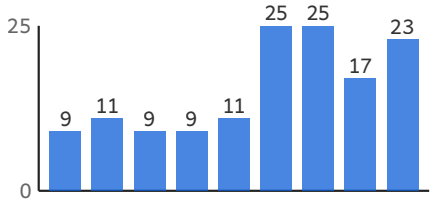
1 5th class kept the points scored by their hurling team in six games at the Cumann na mBunscol blitz: **42**, **17**, **39**, **27**, **34** and **8**. What is the median number of points scored across the six games?



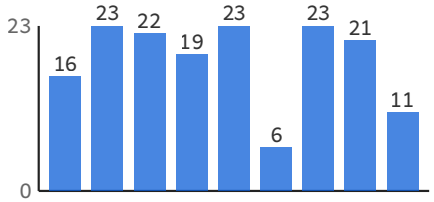
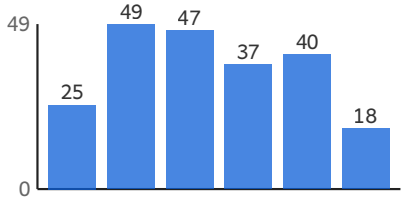
2 5th class are running a sponsored read for the school library. The number of pages read by seven pupils last week were **57**, **137**, **136**, **64**, **200**, **120** and **109**. What is the range of the pages read?



3 Cara records her spelling-test scores over nine weeks in her homework journal. Her scores out of **25** are **9**, **11**, **9**, **9**, **11**, **25**, **25**, **17** and **23**. What is the mode of her scores?



4 Saoirse asks **9** of her classmates how many minutes their walk or cycle to school took on Monday morning. Their times in minutes are **16**, **23**, **22**, **19**, **23**, **6**, **23**, **21** and **11**. What is the mode of the times?



5 In a 5th class science investigation, pupils timed how long water took to trickle through six different soil samples. The times in seconds were **25**, **49**, **47**, **37**, **40** and **18**. What is the mean time?