

# Mode, range and choosing a measure

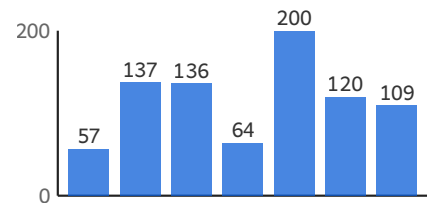
MODULE 9 · DATA AND CHANCE DATA & CHANCE

## HOW TO ANSWER TODAY

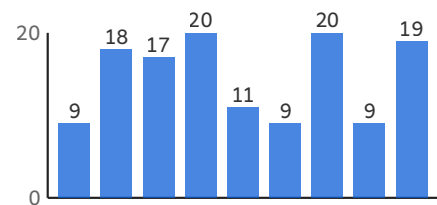
- **Range (spread).** Range = BIGGEST minus SMALLEST.  
5, 12, 8, 3, 15 →  $15 - 3 = 12$
- **Mode (most common).** The mode is the number that appears MOST OFTEN.  
2, 2, 3, 5, 2, 7 → 2 appears three times → mode is 2

## STRETCH PROBLEMS

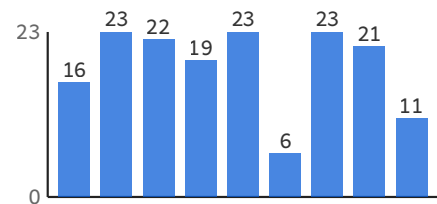
- 1 5th class are running a sponsored read for the school library. The number of pages read by seven pupils last week were 57, 137, 136, 64, 200, 120 and 109. What is the range of the pages read?



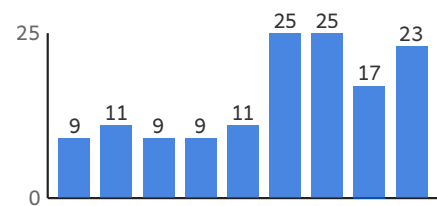
- 2 Cian writes down his weekly spelling-test scores in his homework journal over a term: 9, 18, 17, 20, 11, 9, 20, 9, 19. What is the mode of his scores?



- 3 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?



- 4 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?



- 5 Mr Ó Briain writes the daily maths puzzle scores for 5th class on the board for one week. The pupils' totals are 168, 69, 158, 111, 139, 32 and 189. What is the range of the scores?

