

Class survey: pose, collect, summarise, present

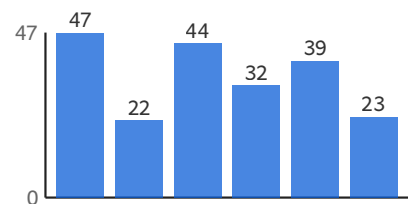
MODULE 7 · DATA, CHANCE AND THE CO-ORDINATE PLANE DATA & CHANCE

HOW TO ANSWER TODAY

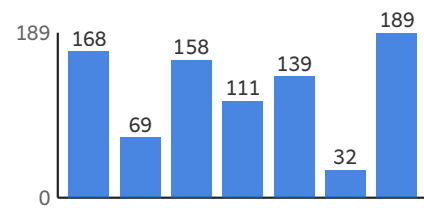
- **Mean (average).** Add ALL the numbers. Divide by HOW MANY there are.
Mean of 2, 5, 6, 9 → $(2+5+6+9) \div 4 = 22 \div 4 = 5.5$
- **Range (spread).** Range = BIGGEST minus SMALLEST.
5, 12, 8, 3, 15 → $15 - 3 = 12$
- **Mode (most common).** The mode is the number that appears MOST OFTEN.
2, 2, 3, 5, 2, 7 → 2 appears three times → mode is 2

★ STRETCH PROBLEMS

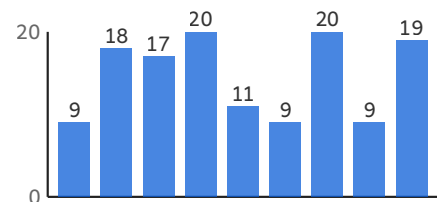
- 1 5th class tracked the rainfall on the school weather chart for six days in October. The readings in millimetres were 47, 22, 44, 32, 39 and 23. What is the mean rainfall across these six days?



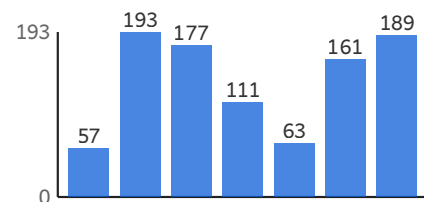
- 2 Mr Ó Briain writes the daily maths puzzle scores for 5th class on the board for one week. The pupils' totals are 168, 69, 158, 111, 139, 32 and 189. What is the range of the scores?



- 3 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?



- 4 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?



- 5 Cian records his scores out of 50 on six weekly spelling tests in 5th class. His scores are 19, 49, 32, 20, 45 and 48. What is the mean score across the six tests?

