

Mode, range and choosing a measure

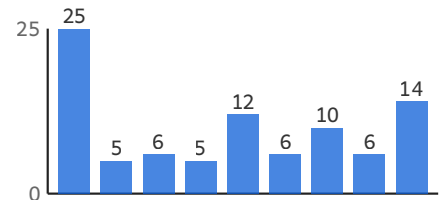
MODULE 9 · DATA AND CHANCE DATA & CHANCE

HOW TO ANSWER TODAY

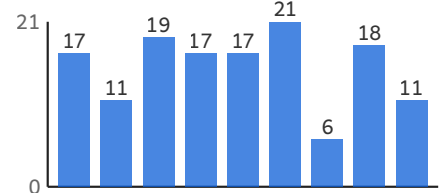
- **Mode (most common).** The mode is the number that appears MOST OFTEN.
2, 2, 3, 5, 2, 7 → 2 appears three times → mode is 2
- **Range (spread).** Range = BIGGEST minus SMALLEST.

STRETCH PROBLEMS

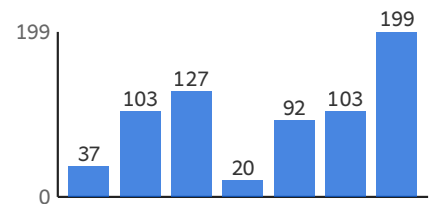
- 1 6th class keep a weather chart of readings from the school's outdoor thermometer. The daily temperatures in °C are 25, 5, 6, 5, 12, 6, 10, 6 and 14. What is the mode of these temperatures?



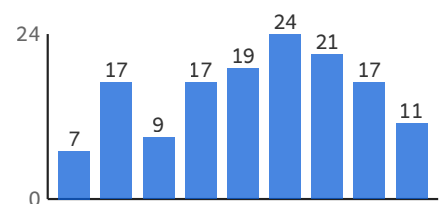
- 2 Aoife records the outdoor temperature each day for her science project. The temperatures in degrees Celsius are 17, 11, 19, 17, 17, 21, 6, 18 and 11. What is the mode of the temperatures?



- 3 Over the half-term, Cian in 6th class tallies cars by colour at the school gate at home time. He records 37 red, 103 blue, 127 black, 20 white, 92 silver, 103 grey and 199 green. What is the range of his tallies?



- 4 Méabh and her classmates tallied the cars waiting at the school gate at home time. The counts they recorded were 7, 17, 9, 17, 19, 24, 21, 17 and 11. What is the mode of these numbers?



- 5 Saoirse checks the reading challenge totals for pupils in 6th class. The pages read over the half-term are 31, 72, 27, 56, 178, 88 and 22. What is the range of the pages read?

