

The mean (average) of a small set – a gentle first look

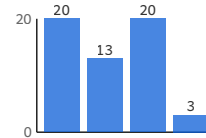
MODULE 9 · DATA AND CHANCE DATA & CHANCE

HOW TO ANSWER TODAY

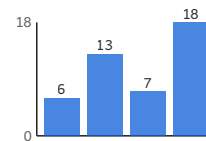
- **Mean (average).** Add ALL the numbers. Divide by HOW MANY there are.

★ STRETCH PROBLEMS

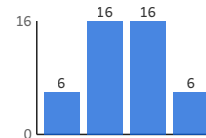
- 1 In the October reading challenge, four pupils in 4th class read **20**, **13**, **20** and **3** books each. What is the mean number of books read?



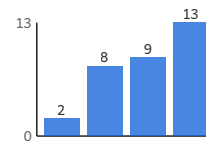
- 2 In a science investigation, Oisín times how many seconds water takes to trickle through soil in four different pots. His times are **6**, **13**, **7** and **18 seconds**. What is the mean time?



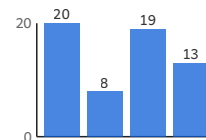
- 3 Tadhg's team plays four games at the Cumann na mBunscol hurling blitz. They score **6**, **16**, **16** and **6** points across the four games. What is the mean number of points they score per game?



- 4 Aoife counts how many pupils cycle to school on four different days. She records **2**, **8**, **9** and **13** cyclists. What is the mean number of cyclists per day?



- 5 In the class daily-maths quiz this week, Tadhg scored **20**, **8**, **19** and **13** marks across four days. What is his mean score for the week?



● INVESTIGATE

Make the mean

Find four whole numbers with a **mean of 8**. Then find a different set of four numbers that also averages 8 but has a much bigger **range**. Which set was harder to build, and why?
