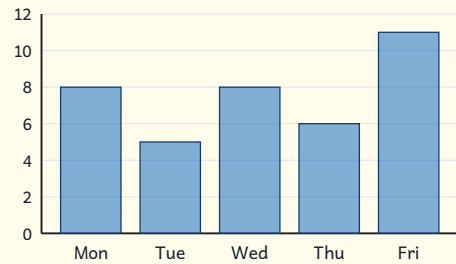


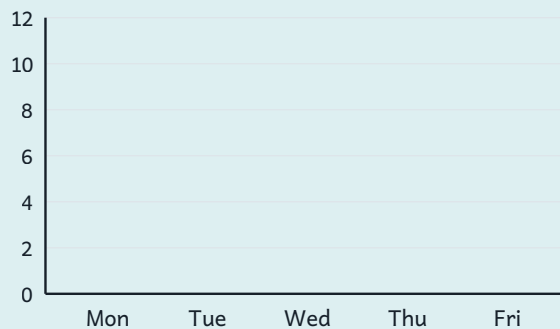
MODE AND RANGE

- 1 The bar chart shows books borrowed: Mon **8**, Tue **5**, Wed **8**, Thu **6**, Fri **11**.
- 2 The tallest bars that match are both **8**, so the mode is **8**.
- 3 Biggest value is **11** and smallest is **5**. Range = **11 - 5 = 6**.



 WARM-UP

Draw the bars for the library books borrowed each day, then read off the mode and range.



1. Draw bars of height 8, 5, 8, 6 and 11 for Monday, Tuesday, Wednesday, Thursday and Friday.
2. Ring the tallest bar to show the mode, 8, and write mode = 8 beside it.
3. Write the range by taking the smallest total 5 from the biggest total 11 to get 6.

 PRACTICE

- 1 Ms Ryan writes seven test scores from the maths quiz on the board: 6, 4, 9, 4, 7, 2 and 4. Which score is the mode?
- 2 The library log shows books borrowed each day: Monday 8, Tuesday 5, Wednesday 8, Thursday 6, Friday 11. Write down the mode and the range.

! SPOT THE MISTAKE

Cian looks at the shoe sizes 2, 3, 3, 4, 5, 6 and says:

$$\text{Mode} = 6 - 2 = 4$$

Range = 3

Cian mixed up mode and range. What are the correct mode and range?

REFLECT

When is the mode more useful to know, and when does the range tell you more?