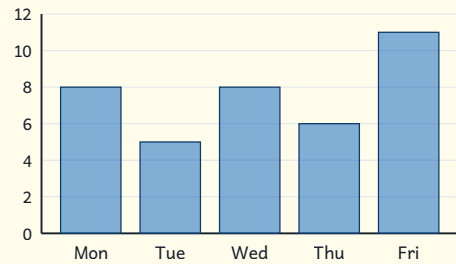


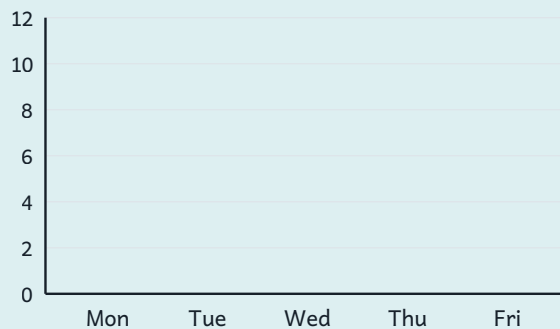
MODE AND RANGE

- 1 The bar chart shows books borrowed: Mon **8**, Tue **5**, Wed **8**, Thu **6**, Fri **11**.
- 2 The two bars of the same height 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 7, 11, 7, 5 and 9 for Monday, Tuesday, Wednesday, Thursday and Friday.
2. Ring the two bars of the same height to show the mode, and write the mode beside it.
3. Take the smallest total from the biggest total and write the range.

 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 Mon 7, Tue 4, Wed 7, Thu 9 and Fri 12 books borrowed. Write 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?