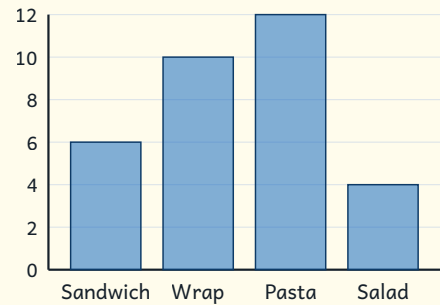


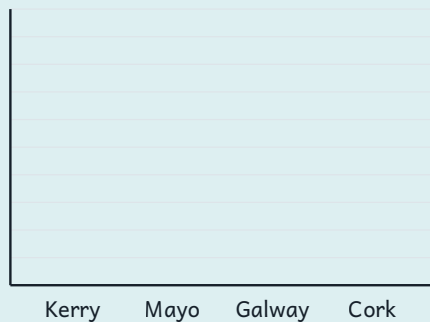
CHOOSING A SCALE FOR LUNCH CHOICES

- 1 The lunch counts are **6**, **10**, **12** and **4**. The biggest value is **12**.
- 2 A scale in **2s** fits neatly: 0, 2, 4, 6, 8, 10, **12**.
- 3 Mark the side axis in 2s and draw each bar to its height; the bar for 10 reaches the line marked **10**.



WARM-UP

Use this blank bar chart for the GAA county votes.

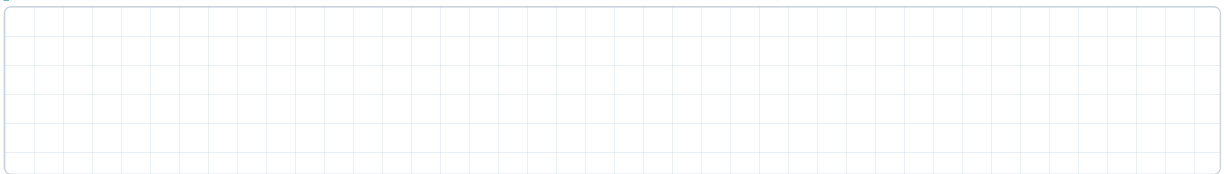


1. Mark the side scale in 2s from 0 up to 20 (0, 2, 4, 6 ... 20).
2. Draw and label bars for Kerry 20, Mayo 14, Galway 18 and Cork 10.
3. Circle the tallest bar to show the most popular county.

PRACTICE

- 1 The class voted for lunch choices: sandwich **6**, pasta **10**, wrap **12**, salad **4**. On a scale marked in 2s, how many steps tall is each bar?

Biggest value 12: choose a scale, then draw bars for 6, 10, 12 and 4 = ?



SPOT THE MISTAKE

Tomás draws a bar chart for the scores 4, 8, 6 and 2 using a scale of 2. He marks the bar for 8 like this:

Scale: each step = 2
Bar for 8 goes up 8 steps

Find Tomás's mistake. How many steps should the bar for 8 go up?

The mistake _____ Correct answer

REFLECT

How did you choose a scale that fitted your biggest value without wasting space?