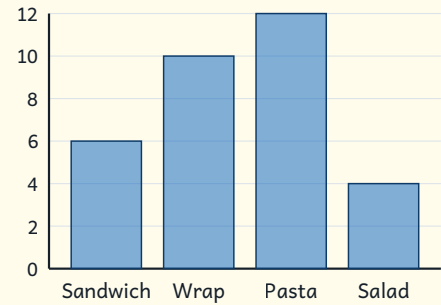


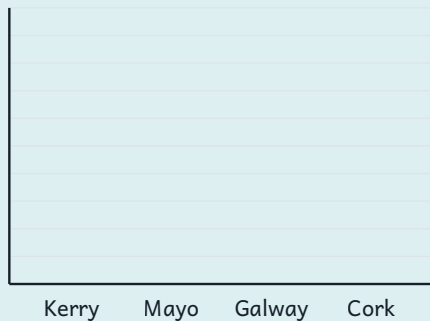
CHOOSING A SCALE FOR LUNCH CHOICES

- The lunch counts are **6**, **10**, **12** and **4**. The biggest value is **12**.
- A scale in **2s** fits neatly: 0, 2, 4, 6, 8, 10, **12**.
- 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.



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

PRACTICE

- The class voted for lunch choices: sandwich **6**, pasta **10**, wrap **12**, salad **4**. Choose a scale in 2s and draw a bar for each choice.

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?

IRISH FACT Favourite GAA county

A class of **28** pupils voting for a favourite GAA county often sees the top pick get **8 to 12** votes — so a scale of **2** on the bar chart keeps the tallest bar on the page while still being easy to read.

Typical Irish primary class survey



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