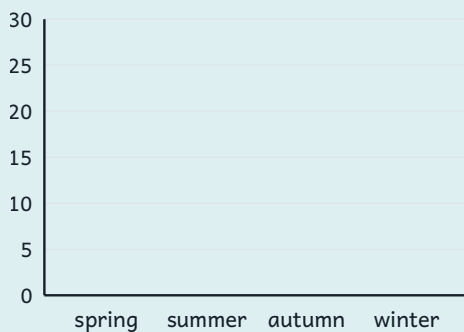


RUNNING THE FULL DATA CYCLE FOR FAVOURITE COLOURS

- 1 Ask the class their favourite colour and write the question at the top.
- 2 Tally the answers for each colour one row at a time.
- 3 Draw a bar chart with heights matching the tallies.
- 4 Read the chart to find the mode and what it shows.

 WARM-UP

Use the blank bar chart to show the favourite seasons data from the class survey.



1. Draw the bar for summer up to 25
2. Draw the bar for spring up to 10
3. Draw the bars for autumn at 8 and winter at 7 then mark the mode

 PRACTICE

- 1 In our classroom **22** pupils chose maths as favourite subject and **18** chose art. Write the tally and say which subject won.
- 2 We asked if pupils like the new playground game and got **15** yes votes and **25** no votes. Tally them and draw the bars.
- 3 After asking the class their favourite season we have **30** votes for summer and **20** for winter. Complete the tally and bar chart.
- 4 We surveyed favourite school lunch with **28** choosing sandwich and **22** choosing salad. Run the full cycle from tally to chart to model.

Ask a question about school lunch choices with 28, 35 and 19 votes then find the mode.

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. Tallying the answers must happen before drawing the bar chart. ☐
- b. The mode is the answer with the tallest bar in the chart. ☐
- c. You can be completely sure the next person will choose the mode. ☐
- d. A good question for a survey has only a few clear answer choices. ☐

REFLECT

Which part did you enjoy most — asking the question, making the chart, or finding the mode?