

Comparing two data sets

MODULE 9 · DATA AND CHANCE DATA & CHANCE

HOW TO ANSWER TODAY

- **Read a bar chart.** Read the top of each bar. Check the y-axis scale to see what each grid line is worth.

Each grid line = 5, bar reaches the 4th line → value is 20

STRETCH PROBLEMS

- 1 4th class made a bar chart of how many books each pupil read during Seachtain na Gaeilge. The bars show Apple group **32** books, Pear group **23**, Orange group **34**, Banana group **38** and Plum group **25**. By how much does the Plum group's bar differ from the Apple group's bar?
- 2 At a Cumann na mBunscol blitz, a bar chart shows the points each school scored: St Aidan's **9**, Gaelscoil na Coille **20**, Scoil Mhuire **22**, St Brigid's **33** and Naomh Pádraig **29**. By how many points does the St Aidan's bar differ from the Gaelscoil na Coille bar?
- 3 At home time, 4th class made a bar chart of the cars leaving the school gate by colour. The bars show Silver **20**, Blue **30**, Red **37**, Green **11** and Black **40**. By how much does the Blue bar differ from the Black bar?
- 4 For a science project, 4th class tested how many drops of water trickled through five soil samples in one minute. The results were Apple field soil: **23**, Pear orchard soil: **35**, Orange grove soil: **38**, Banana loam: **27**, and Plum patch soil: **16**. By how much does the Banana loam result differ from the Apple field soil result?
- 5 3rd class made a bar chart of the fruit sold at the school tuck shop one week. The bars show Apple: **34**, Pear: **17**, Orange: **30**, Banana: **31**. By how much does the Pear bar differ from the Banana bar?

INVESTIGATE

Sunny day, wet day

Pick four playground choices. Estimate how many pupils might pick each on a **sunny** day and on a **wet** day. Draw both bar charts on the same scale. Which choices rise, which fall, and which stay about the same? Explain why.

