

# Pictograms with a scale (one symbol = 2, 5 or 10) and reading them

MODULE 9 · DATA AND CHANCE

DATA &amp; CHANCE

## ★ STRETCH PROBLEMS

- 1 The robotics club made a pictogram of the batteries used in each build. Each picture stands for **5** batteries. The row for the buggy build has **6** pictures. How many batteries is that altogether?
- 2 On the sponsored cycle pictogram, each bike picture stands for **5** laps completed. Cian's row has **3** bike pictures. How many laps did Cian cycle altogether?
- 3 3rd class make a pictogram of raffle tickets sold for the Christmas hamper, where each picture stands for **2** tickets. Aoife's row has **8** pictures beside her name. How many tickets did Aoife sell altogether?
- 4 3rd class make a pictogram of how many minutes each class takes to walk to the gate at home time. Each picture stands for **2 minutes**, and one row has **4** pictures. How many minutes does that row show altogether?
- 5 On the classroom pictogram of raffle tickets sold for the Christmas hamper, each picture stands for **2** tickets. The row for 4th class has **7** pictures. How many tickets did 4th class sell altogether?

## ● INVESTIGATE

### Pick a sensible pictogram scale

A club scored these goals in five matches: 4, 10, 6, 14, 8. Draw the data twice — once with **one symbol = 2** and once with **one symbol = 5**. Which key makes the clearer picture? Where did you need a half-symbol, and why?

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