

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

MODULE 9 · DATA AND CHANCE

DATA & CHANCE

★ STRETCH PROBLEMS

- 1 In their science investigation, 4th class made a pictogram showing how many drops of water trickled through the soil. Each picture stands for **5** drops, and one row has **3** pictures. How many drops is that altogether?
- 2 At the school summer fair, 3rd class made a pictogram of prizes won on the spin-the-wheel stall. Each picture stands for **5** prizes. The teddy-bear row has **2** pictures. How many teddy bears were won altogether?
- 3 The 3rd class made a pictogram to show how many papier-mâché masks each group finished for the school play. On the pictogram, each picture stands for **5** masks. The blue group's row has **5** pictures. How many masks did the blue group make 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 In 4th class, the pupils made a pictogram of how many voted for each daily question. Each picture stands for **2** votes. Tuesday's question has **3** pictures beside it. How many pupils voted on Tuesday?

● 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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