

Bar charts with a scale of two

WHAT THIS LESSON TEACHES

A bar chart with a scale of two has side marks labelled 0, 2, 4, 6 and 8. Each step counts two, and a bar halfway between marks shows the odd number in between.

→ A bar at the 6 mark shows 6.

→ A bar halfway between 6 and 8 shows 7.

MODEL THIS ON THE BOARD

READING BARS ON A SCALE OF TWO

- 1 Read the scale marks up the side: 0, 2, 4, 6, 8.
- 2 Find the bar for pencils. It reaches exactly the 4 mark.
- 3 The pencils bar shows 4.
- 4 Find the bar for books. It stops halfway between the 6 and 8 marks.
- 5 Halfway between 6 and 8 is 7, so books show 7.

DISCUSSION STARTER

REFLECT How can you tell an odd count when the scale goes up in twos?

ANSWER KEY

Scaffold: visual check on the page

Q1: 4

Q2: 2

Q3: 8

Q4: 11

a) Always — The mark is labelled 4 so the bar shows exactly 4.

b) Always — Halfway between two even marks is the odd number in the middle.

c) Never — The 2 mark means the value 2, not 1.

d) Always — The marks are even so halfway points are always odd.

EXTENSION SHEET · STRETCH ANSWERS

Investigation: When one square means two — open-ended; scan pupils' working for valid solution paths rather than a single answer.