

Pictograms with a scale (one symbol = 2)

WHAT THIS LESSON TEACHES

In a pictogram one symbol can stand for two things so we count on in twos instead of one by one.

- A row of five symbols on a key of two shows a count of ten.
- Key: one symbol = 2 children.
- Four whole symbols and a half-symbol show a count of nine.

MODEL THIS ON THE BOARD

READING A PICTOGRAM KEY OF TWO

- 1 Read the key: one symbol means 2.
- 2 Count the whole symbols in twos.
- 3 Add 1 for any half-symbol at the end.

DISCUSSION STARTER

REFLECT When one symbol stands for two, how do you show an odd number like 7?

ANSWER KEY

Scaffold: visual check on the page

Q1: 6

Q2: 4

Q3: 5

Q4: 7

Q5: 8

a) **Always** — Half of two is one so it is always true.

b) **Always** — Four times two is eight so it is always true.

c) **Always** — Whole symbols give even counts and the half adds one so the total is odd.

d) **Never** — You must count in twos because each symbol means two.

EXTENSION SHEET · STRETCH ANSWERS

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