

Making a block graph with a scale of one

CURRICULUM ALIGNMENT

DAT.DAT.3

pose questions of interest and collect, display and critically analyse data in a range of ways for a range of purposes and communicate the findings.

INTERACTIVES [Bar Chart Builder](#) · challenge, display, explore

WHAT THIS LESSON TEACHES

A block graph has one bar for each answer. With a scale of one, each square up the side stands for one, so the bar height shows the exact count.

→ A bar reaching the 5 line means five children chose that answer.

→ A bar four squares tall shows a count of four.

MODEL THIS ON THE BOARD

CLASS STATIONERY BLOCK GRAPH

- 1 Draw the bottom line and write the labels pencils, rulers and books under it.
- 2 Draw the side line and mark numbers 0 to 5 so one square equals one.
- 3 Colour the pencils bar upwards until its top sits on the 3 line.
- 4 Colour the rulers bar upwards until its top sits on the 4 line.
- 5 Colour the books bar upwards until its top sits on the 5 line.

ANSWER KEY

Scaffold: visual check on the page

Q1: 3

Q2: 1

Q3: 5

a) Always : A scale of one means every square equals exactly one.

b) Always : Bar height matches how many chose that answer.

c) Sometimes : True when two answers have the same count; false when every answer has a different count.

d) Never : Bars must always begin on the shared zero line.

EXTENSION SHEET · STRETCH ANSWERS

S1: 106

S2: 17

S3: 21