

Trend graphs and reading line graphs

WHAT THIS LESSON TEACHES

A trend graph joins plotted points with straight lines to show how one quantity changes over time.

- A day's temperature plotted hour by hour and joined into a rising-then-falling line.
- A plant-height graph whose line climbs week after week shows a rising trend.

MODEL THIS ON THE BOARD

FINDING THE STEEPEST CHANGE ON A LINE GRAPH

- 1 Look at the line between each pair of points on the graph.
- 2 Find the section where the line rises or falls most steeply.
- 3 That steepest part shows the fastest change in the quantity.

ANSWER KEY

Scaffold: visual check on the page

Q1: 44 C

Q2: 6th reading

Q3: 1st and 2nd

Q4: 54 C

a) Always — The straight lines show the trend from one point to the next.

b) Never — The line can rise or fall depending on the actual readings.

c) Always — A steeper slope means a quicker rise or fall over time.

d) Always — The line allows us to estimate intermediate values.

EXTENSION SHEET · STRETCH ANSWERS

S1: step of 5

S2: 17

S3: step of 5

S4: 2

S5: 21