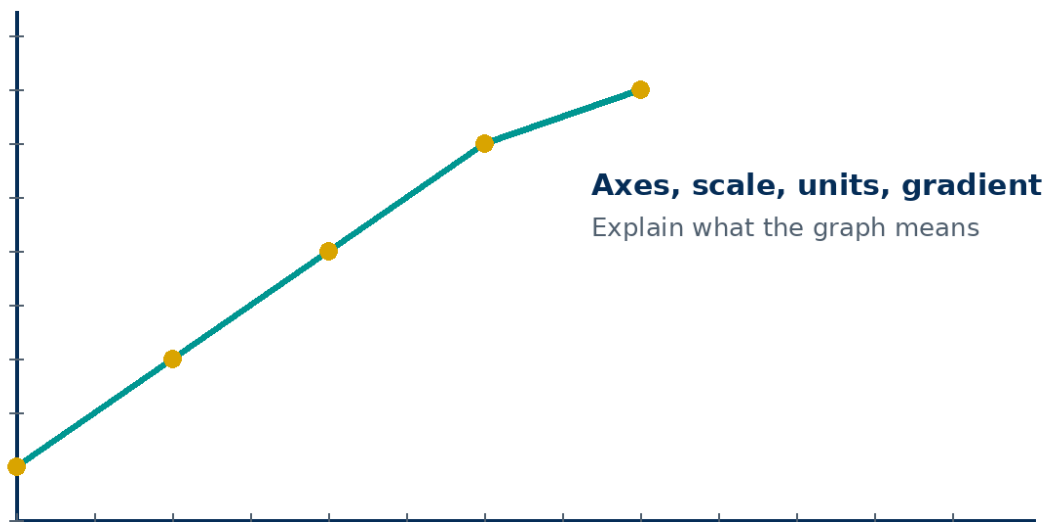


Learner Assessment: Scatter graphs and correlation

Objective: Describe correlation, use a line of best fit and recognise limits of prediction.

Calculator condition: Calculator allowed where labelled; non-calculator reasoning remains required.

L077 Scatter graphs and correlation



Objective: Describe correlation, use a line of best fit and recognise limits of prediction.

Recall

Retrieve the key fact or method needed for scatter graphs and correlation.

Core practice

A trend line predicts 45 at $x=8$ from data spanning $x=2$ to 10. Is this interpolation or extrapolation?

Working: _____

Check/explanation: _____

Reasoning

A scatter graph shows strong negative correlation between screen time and sleep. Can it prove screen time causes less sleep?

Working: _____

Check/explanation: _____

Exam-style

Solve an exam-style problem involving scatter graphs and correlation. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____