

Learner Assessment: Probability and expected frequency

Objective: Use the probability scale and calculate expected frequency.

Calculator condition: Non-calculator core; calculator optional only for checking where labelled.

L049 Probability and expected frequency

Collect

Represent

Analyse

Conclude

Is the sample fair?

What does the diagram show?

What conclusion is valid?

Objective: Use the probability scale and calculate expected frequency.

Recall

Retrieve the key fact or method needed for probability and expected frequency.

Core practice

A biased coin shows heads 78 times in 120 tosses. Estimate heads in the next 400 tosses.

Working: _____

Check/explanation: _____

Reasoning

Why is an expected frequency of 26 not a guarantee of exactly 26 successes?

Working: _____

Check/explanation: _____

Exam-style

Solve an exam-style problem involving probability and expected frequency. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____