

Learner Assessment: Geometry probability and statistics consolidation

Objective: Connect geometry, probability and statistics through mixed problems.

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

L095 Geometry probability and statistics consolidation

Collect

Represent

Analyse

Conclude

Is the sample fair?
What does the diagram show?
What conclusion is valid?

Objective: Connect geometry, probability and statistics through mixed problems.

Recall

Retrieve the key fact or method needed for geometry probability and statistics consolidation.

Core practice

A fair spinner has sectors 1,2,3,4. Find mean score over one spin and $P(\text{score} \geq 3)$.

Working: _____

Check/explanation: _____

Reasoning

A radius doubles. Compare the circle's area and circumference multipliers.

Working: _____

Check/explanation: _____

Exam-style

Solve an exam-style problem involving geometry probability and statistics consolidation. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____