

Learner assessment: Sampling and data quality

Objective: Recognise populations, samples, bias and limits of conclusions.

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

Mini-assessment

Time: 20 minutes. Work independently. Non-calculator core; calculator optional only for checking where labelled.

1. Retrieve the key fact or method needed for sampling and data quality.

Working: _____

Answer: _____

2. A school has 800 learners, 200 in Year 11. How many Year 11 learners belong in a proportional sample of 64?

Working: _____

Answer: _____

3. A survey about canteen food is sent only to the school's sports team. Give two distinct sources of bias and improve selection.

Working: _____

Answer: _____

4. Evaluate a data collection method. Identify one source of bias, improve the method and state one remaining limitation.

Working: _____

Answer: _____

Self review: What is the strongest evidence that you met the objective?
