

Exercise walk-through

3.1

Fieldwork preparation: supported rehearsal

International Baccalaureate · IB Diploma · Geography · SL

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The method

Method — Worked example

A geographic question needs a spatial relationship, justified sites and consistent measurements. Systematic sampling uses an interval; stratification represents relevant contrasting zones. Keep real raw records, site evidence and conditions under school-approved access and safety.

Original rehearsal counts at distances 0, 100 and 200 m are 30, 20 and 25 pedestrians in five minutes. Describe the pattern and improve the design.

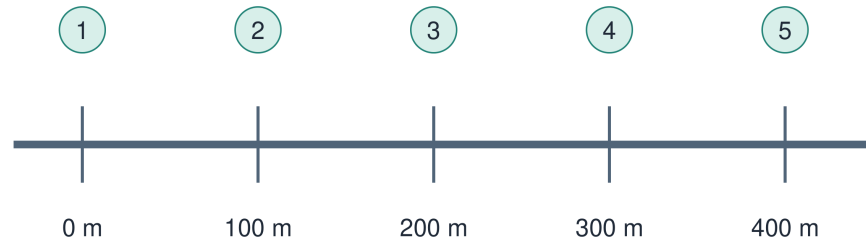
Counts fall from 0 to 100 m then rise at 200 m; a simple monotonic decline is unsupported. Repeat comparable time windows and sites, inspect junctions/events and display the exception. These illustrative data are not IA fieldwork.

Method — Worked example

A geographic question needs a spatial relationship, justified sites and consistent measurements.

Original systematic pedestrian-count design

Shopping centre



Same five-minute count; comparable times; repeat each site.

Exercises 2.1-3.1

2.1 For the worked case, identify the evidence and a conclusion it can support. Explain one material limit. [3]

3.1 One site is counted at lunch and another after closure. Why is the location comparison weak? Give a reasoned answer, evidence or method, and a relevant qualification. [3]

Exercises 2.1·3.1

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3.1 One site is counted at lunch and another after closure. Why is the location comparison weak? Give a reasoned answer, evidence or method, and a relevant qualification. [3]

3.1 Time and activity vary with location, so the count difference cannot be attributed to location alone. Repeat comparable time windows at each site, use consistent intervals and record events and weather. Preserve raw observations and remaining sampling limits. Authored points for a relevant judgement, reason tied to the case and justified qualification or method. Accept a supported alternative.