Choose the mathematical knowledge and methods needed for a contextual investigation.

Key skills | Free preview

Learning target: Choose the mathematical knowledge and methods needed for a contextual investigation.

A statistical investigation needs a question that the available observations can address. Choose displays and summary measures that reveal the relevant features, then report both the observed difference and the limits of the evidence. Small convenience samples may describe those observations accurately without representing all users or establishing the cause of a difference.

Try the mathematics

Task 1. Question: does desk B appear to have longer and more variable waits than desk A? A waits are 2,4,5,6,7,8,9,11; B waits are 3,5,7,9,11,13,15,17 minutes. Select a display and two summaries, calculate them and compare.

Continue with the full worksheet

The complete resource has 2 focused task sets and substantive worked solutions. Use an exercise book or print the A4 worksheet. This preview shows the first task without its full solution.

Find this resource: https://resources.aspiretopowerlearning.com.au/vce/skills/aspire-internal-gm-u1-o2-cross-ks-01/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). General Mathematics; Unit 1; Outcome 2; Key skills; bullet 1; p. 33.

The learning target is a concise paraphrase. Aspire reference: aspire-internal-gm-u1-o2-cross-ks-01. This is an internal identifier, not an official VCAA code.

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