Impose appropriate restrictions or constraints when computing.

Key skills | Free preview

Learning target: Impose appropriate restrictions or constraints when computing.

Tool selection should follow the mathematical question. A spreadsheet recurrence exposes how a sequence develops, a graph highlights comparisons and intersections, and an equation solver can target a particular value. Explain why the selected function produces the information needed and keep domain checks outside the solver if it does not enforce them automatically.

Try the mathematics

Task 1. An asset follows V(n)=1800-240n at whole-year times while value is non-negative. Choose tool functions to (a) list yearly values and (b) solve when value is $600. Give explicit inputs and expected outputs.

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-o3-cross-ks-10/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). General Mathematics; Unit 1; Outcome 3; Key skills; bullet 10; p. 33.

The learning target is a concise paraphrase. Aspire reference: aspire-internal-gm-u1-o3-cross-ks-10. This is an internal identifier, not an official VCAA code.

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