Verifying investigation results

Key skills | Free preview

Learning target: Check investigation results using a range of methods.

Verification should use a method that could reveal an error in the original approach. Substitute into original conditions, compare a numerical result with an exact formula, or examine a neighbouring case. Agreement supports the result but does not remove modelling assumptions. Record enough working for someone else to reproduce both the calculation and its independent check.

Try the mathematics

Task 1. Check the 30 °C time by substitution and by an independent numerical bracket.

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-mm-u2-o2-ks-04/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). Mathematical Methods; Unit 2; Outcome 2; Key skills; bullet 4; p. 56.

The learning target is a concise paraphrase. Aspire reference: aspire-mm-u2-o2-ks-04. This is an internal identifier, not an official VCAA code.

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