Verifying and interpreting output

Key skills | Free preview

Learning target: Check technology results and interpret them in relation to the investigative, modelling or problem-solving task.

Verification connects an output to both its defining mathematics and the original context. Substitute into the original rule, compare another representation and check units and constraints. A small numerical residual can support a rounded answer, but it cannot establish that the model itself is appropriate. Explain what your check confirms and what it leaves open.

Try the mathematics

Task 1. Independently verify the 1.913 result from a root routine for the tank. Explain why the residual and the physical domain both matter.

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-o3-ks-12/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). Mathematical Methods; Unit 2; Outcome 3; Key skills; bullet 12; p. 57.

The learning target is a concise paraphrase. Aspire reference: aspire-mm-u2-o3-ks-12. This is an internal identifier, not an official VCAA code.

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