Explain how a matrix organises and processes information.

Key knowledge | Free preview

Learning target: Explain how a matrix organises and processes information.

A matrix becomes a model only when its row and column meanings are specified. A compatible price or cost vector turns a quantity table into totals by row-by-column multiplication. Units help check interpretation. A formula for an indexed entry can generate a matrix, but the starting indices and required dimensions must be declared.

Try the mathematics

Task 1. Shop A sells 4 notebooks and 3 pens; shop B sells 2 notebooks and 8 pens. A notebook is $5 and a pen $2. Write a quantity matrix and price column and calculate each shop’s revenue.

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-o1-aos4-kk-01/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). General Mathematics; Unit 1; Outcome 1; Key knowledge; Matrices; bullet 1; p. 32.

The learning target is a concise paraphrase. Aspire reference: aspire-internal-gm-u1-o1-aos4-kk-01. This is an internal identifier, not an official VCAA code.

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