Distinguish categorical categories and discrete or continuous numerical measurements.

Key knowledge | Free preview

Learning target: Distinguish categorical categories and discrete or continuous numerical measurements.

A data type depends on what a recorded value means, not merely on whether it is written with digits. Categories may have an order. Numerical observations may be counts or measurements. An interval scale supports meaningful differences; a ratio scale additionally has a meaningful zero and meaningful multiplicative comparisons.

Try the mathematics

Task 1. A survey records postcode, satisfaction (low/medium/high), number of lessons attended, journey time, air temperature in Celsius and journey distance. Classify each as nominal, ordinal, discrete numerical or continuous numerical. Identify an interval-scale and a ratio-scale example.

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-aos1-kk-01/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). General Mathematics; Unit 1; Outcome 1; Key knowledge; Investigating and comparing data distributions; bullet 1; p. 30.

The learning target is a concise paraphrase. Aspire reference: aspire-internal-gm-u1-o1-aos1-kk-01. This is an internal identifier, not an official VCAA code.

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