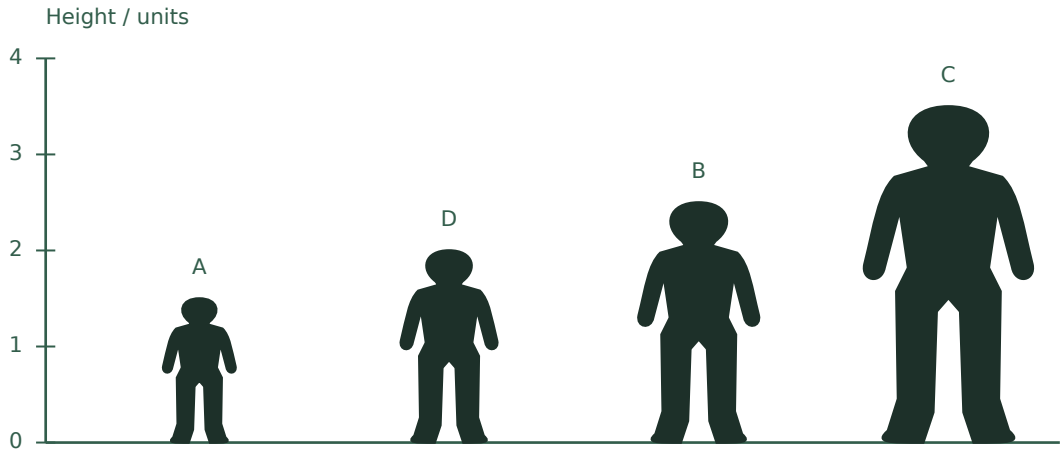
Height Comparison Figures: Shared Baseline and Proportion Scale

Worked / worked measured construction

Worked example / Worked reference: A=1.5, D=2, B=2.5, C=3.5; differences C-B=1, B-D=0.5, D-A=0.5

Measured construction guide. Only labelled dimensions are fixed; use the original task for all other instructions.



axis maximum: 4 units

A: 1.5 units above baseline

D: 2 units above baseline

B: 2.5 units above baseline

C: 3.5 units above baseline

Abstract source units; this diagram makes no centimetre claim.

Height Comparison Figures: Shared Baseline and Proportion Scale

Original worked example / unchanged complete key

Prompt: On a shared baseline with tick marks at 0, 1, 2, 3, 4 units, draw three silhouettes: figure A at 1.5 units, figure B at 2.5 units, and figure C at 3.5 units. Then add figure D at 2 units. Describe the relative heights.

Answer: Figure C is tallest (3.5 units), B is next (2.5 units), D is next (2 units), and A is shortest (1.5 units). The height differences are: C-B = 1 unit, B-D = 0.5 unit, D-A = 0.5 unit. All feet are on the baseline, and tops align with the estimated positions between tick marks.