Height Comparison Figures: Shared Baseline and Proportion Scale

Original task 1 / blank independent work

Task 1

On a shared baseline with tick marks at 0, 1, 2, 3, 4 units, draw figure A at 2 units and figure B at 3 units. Then draw figure C at 2.5 units. Which figure is tallest and which is shortest?

Independent work / draw, calculate and label your response below.

Height Comparison Figures: Shared Baseline and Proportion Scale

Original task 2 / blank independent work

Task 2

A shared baseline has tick marks at 0, 1, 2, 3, 4, 5 units. Figure X is at 4 units and figure Y is at 2 units. Draw figure Z that is 1 unit taller than Y but 1 unit shorter than X. What is Z's height?

Independent work / draw, calculate and label your response below.

Height Comparison Figures: Shared Baseline and Proportion Scale

Original task 3 / blank independent work

Task 3

On a shared baseline with tick marks at 0, 1, 2, 3, 4 units, draw three silhouettes: P at 1 unit, Q at 2.5 units, and R at 4 units. Then draw S at 3 units. List the figures in order from shortest to tallest.

Independent work / draw, calculate and label your response below.

Height Comparison Figures: Shared Baseline and Proportion Scale

Original task 4 / blank independent work

Task 4

A shared baseline has tick marks at 0, 1, 2, 3, 4, 5 units. Figure M is at 3.5 units. Draw figure N that is 0.5 units shorter than M. What is N's height, and how do you locate it on the axis?

Independent work / draw, calculate and label your response below.