Glossary

Ratio A comparison of two values. A ratio of r to s can be written as $\frac{r}{s}$ or $r{:}s$.

Rate A comparison of two values with different units

Proportion A statement of equality of two ratios or rates

Unit rate A rate where the value of the second term is 1, a value per single unit of measurement

Slope Represents the relationship (as a ratio) between the change in vertical values (rise) and the corresponding change in horizontal values (run) on a graph

$$m = \frac{\Delta y}{\Delta x} = \frac{\text{vertical change}}{\text{horizontal change}}$$

$$m = \frac{\text{rise}}{\text{run}}$$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Scale factor A ratio of two measurements. The first number represents a measurement on the diagram of the shape or object. The second number represents the corresponding measurement of the actual shape or object.

Scale diagram A two-dimensional picture with proportional measurements to an original shape or object

Similar shapes Shapes with proportional dimensions