

Ratio - compares 2 values that have the same unit.

Nadia plays basketball and keeps track of the number of points she scores versus the number she misses. Her ratio can be written as follows:

$$\frac{\text{Points Missed}}{\text{Points Scored}} = \frac{7}{21}$$

Rate - a ratio that compares 2 values that have different units.

Nadia also likes to determine her rate at which she scores points. Her rate can be written as follows:

$$\frac{\text{Points Scored}}{\text{Shots Attempted}} = \frac{21}{28}$$

Unit rate - a rate with a denominator of 1

From her rate she can determine the average number of points she scores with each attempt. Her unit rate can be written as follows:

$$\frac{\text{Points Scored}}{\text{Shots Attempted}} = \frac{0.75}{1}$$

0.75 points scored per attempt