Name: _____



Lesson Guide

This lesson guide accompanies the following video lesson:



Ratios and Unit Rates in the Real World

A unit rate is a rate that is expressed as a quantity of _____.

Examples









Example 01: Find the unit rate.

A distance runner travels 16 miles in two hours.

1 2 3 4 5 6 7 8

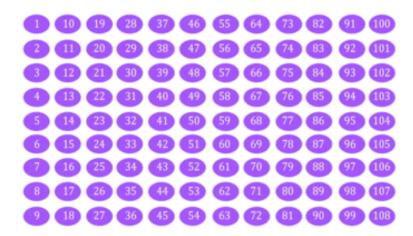
9 10 11 12 13 14 15 16



My Answer: _____ miles for every 1 hour of running.

Example 02: Find the unit rate.

There are 108 students in 4 math classes.



My Answer: _____ students for every 1 math class, on average.

Example 03: Find the unit rate.

One-quarter pound of jelly beans costs \$1.75.



My Answer: Jelly beans cost \$_____ per 1 pound.

Rate to Unit Rates

The following pairs of equivalent fractions represent the rates and unit rates for the last three examples:

In your own words, what is the difference between a rate and a unit rate?

Practice Problems:

Example 04:

It takes Jose 3 minutes to text 237 words. At that rate, how many words can he text per minute?

words words
minutes

minutes

words
minute

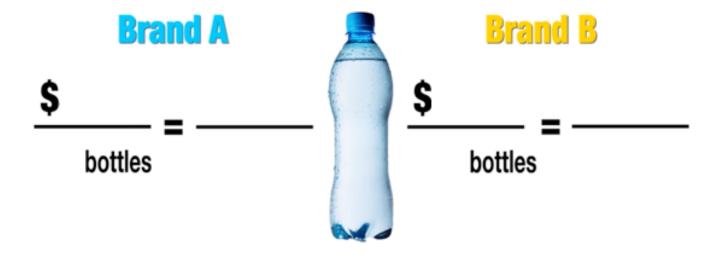
My Answer: _____

Example 05:

Jacob is comparing the prices of two different brands of water bottles.

- The first brand costs \$30 for a case of 24 bottles.
- The second brand costs \$39.60 for a case of 36 bottles.

Which brand has the lower unit cost per bottle?



My Answer: _____

ANSWER KEY

- Ex 1) 8 miles per hour
- Ex 2) 27 students per class
- Ex 3) \$7.00 per pound
- Ex 4) 79 words per minute
- Ex 5) Brand 2 (\$1.10 per bottle)