

Lesson 5-2 : Unit Rates

SWBAT: Find and use unit rates and unit costs

Vocab Words:

- Ratio:
- Rate:
- Unit Rate:

Unit Rate:

- _____ the rate so that one of the values becomes a 1.
Ex: 10 miles in 2 hours. How many miles in 1 hour?
- In order to get the 2 hours down to 1, we must divide by 2
- The unit rate would be _____.

A box of crackers has 6 servings and has a total of 420 calories. Find the calories for 1 serving.

Unit Cost:

- The same as unit rates, but with _____
- Hint: never put the 1 in the unit rate next to _____

Find the unit cost for \$2.37 for 3 pounds of grapes.

Why find a unit rate?

- It helps you determine which quantity is _____ when comparing 2 or more different options.

Ex:

Which deal is better? 6oz of yogurt for \$0.68, or 32oz of yogurt for \$2.89.

- Find the unit rate for each option to determine the better deal.

- Once you know a unit rate, you can use multiplication to help solve problems.

5 pears cost \$2.90, how much does 7 pears cost?

- Find the cost for 1 pear and multiply it by 7 to get the answer.

You can type 75 words in 3 mins. How many words can you type in 10 mins?

If you can type 145 words in 5 mins, how many words can you type in 3 mins?

Challenge:

An airplane flies 2,750 miles in 5 hours. What is the unit rate in miles per second? Round to the nearest hundredth.