

Name \_\_\_\_\_ Date \_\_\_\_\_

Ratio Triplet's task

Version A

Mark and Alisha were sent to buy ice cream for a class party. Their favorite flavors came in a 64 - ounce package for \$6.79 and a 48 - ounce package for \$4.69.

1. To find which is the better buy, Mark divided like this:

$$\frac{\$6.79}{64} = 0.10609375$$

$$\frac{\$4.69}{48} = 0.097708\bar{3}$$

Explain how these ratios can tell Mark which ice cream is the better buy.

2. Alisha claimed she could use different ratios to solve this problem. She divided like this:

$$\frac{64}{\$6.79} \approx 9.42562592$$

$$\frac{48}{\$4.69} \approx 10.2345418$$

Is Alisha correct? Explain your answer.

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Lesson 3: Homework

Use division to find unit rates to solve the following questions. Label each unit rate.

Problem A: Noralie used 22 gallons of gas to go 682 miles.

1. What are the two unit rate that she might compute?
2. Compute each unit rate and tell what it means.
3. Which seems more useful to you? Why?

Problem B: It takes 100 maple trees to make 25 gallons of maple syrup.

1. How many maple trees does it take for 1 gallon of syrup?
2. How much syrup can you get from one maple tree?

Problem C: A 5 minute shower requires about 18 gallons of water.

1. How much water per minute does a shower take?
2. How long does a shower last if you use only 1 gallon of water?

Problem D: At the Corner Market grocery store, you can buy eight cans of tomatoes for \$9. The cans are the same size as those at Canned Stuff which sells six cans for \$5.

1. Are the tomatoes at Corner Market a better buy than the tomatoes at Canned Stuff?
2. What comparison strategies did you use to choose between Corner Market and Canned Stuff tomatoes? Why?