

Name _____ Period _____ Date _____

Created by Corbin/Lyons



Rates #1

I have some small candies I want to sell in packages of 15 candies for \$0.25 *per* package. How much would I charge for 60 candies? _____ How much 90 candies? _____

I could write my prices in a rate series:

$$\left\{ \frac{15}{25}, \frac{30}{50}, \frac{45}{75}, \frac{60}{100}, \dots \right\}$$

Extend this pattern to predict how much I would charge for 120 candies. _____

How much would I charge for 10 packages? _____

If you paid \$2.25, how many pieces of candy would you get? _____

What is the 3rd equivalent fraction in the rate series that starts with $\frac{8}{9}$?

Multiply and add $\frac{2}{3}$ and $\frac{4}{5}$.

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I found a vending machine that dispenses peanuts for 25¢. I got 8 peanuts each time. After I used the machine six times, how many peanuts should I have gotten? _____

If I have 88 peanuts, how much money did I spend? _____

If I spent \$1.50, how many peanuts did I get? _____

If you spend \$23 for 6 notebooks, how much did you spend for 1 notebook? (This is called a unit rate.) _____

Why do you think the above answer is called a “unit” rate? _____

Use each rate below to create a real-life situation in which the rate could be used to answer questions. Create a rate series like the one above for each situation. Write at least five rates in each rate series.

$\frac{10}{15}$ _____

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