

# WARM UP

**Draw pictures of two shapes. Write the ratio in at least 10 different ways.**

# MATH COURSE I

Rate and Unit  
Rate

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# VOCABULARY

Rate: compares two quantities that have different units of measure

Unit Rate: the comparison of two quantities, one of which is **one unit**

# Example

Find the rate and unit rate if a 2 liter bottle of soda costs \$1.98.

Rate = price/number of items = \$1.98/2 liters

Unit Rate = \$1.98/2 = 1.98/2 = \$0.99 for 1 liter

## Example 2

An 8 ounce bag of sunflower seeds costs \$1.68. A 4 ounce bag costs \$0.88. Which bag is the better deal? (which one has the smallest unit rate?)

$$\text{Unit rate} = \$1.68/8 = \mathbf{\$0.21}$$

$$\text{Unit rate} = \$0.88/4 = \mathbf{\$0.22}$$

The 8 ounce bag is the better deal because the unit rate is less.

# Compare Rates

- Practice: Page 314 questions 11-16.