

Rate, Unit Rate & Unit Price (p. 162)

Rate A ratio that compares numbers of different units.

"per" for each

Unit Rate A rate per 1!

Unit Price A price that tells you the cost per 1. (\$3.00 per gallon)

Color code the rate, unit rate, or unit price

Rate

Unit Rate

Unit Price

1. A candy bar has a ratio of 225 calories for every 45 grams. How many calories per gram?

$$\frac{\text{Calories}}{\text{gram}} = \frac{225}{45} = \frac{5}{1}$$

5 calories per gram

2. The hot dog eating champion of the world can eat 72 hot dogs in 10 minutes. How many hot dogs per minute?

$$\frac{\text{hot dogs}}{\text{minute}} = \frac{72}{10} = \frac{7.2}{1}$$

7.2 hot dogs per minute

3. We paid \$76 for 8 pizzas, what is the unit price per pizza?

$$\frac{\$}{\text{pizza}} = \frac{76}{8} = \frac{9.50}{1}$$

\$9.50 per pizza

4. A 5-ounce bar of gold costs \$6700. How much is each ounce of gold?

$$\frac{\$}{\text{oz of Gold}} = \frac{6700}{5} = \frac{1340}{1}$$

\$1,340 per ounce of gold