

## Concept Development

A **unit rate** is a number that shows the relationship between a quantity and **one unit** of another quantity.

- An **equivalent ratio table** can be used to organize the information.
- Two unit rates can be found given one ratio.



Animated

Darla bought 8 granola bars for \$4.

## ← Definitions

## Unit Rates

1 <sup>st</sup> quantity	a	$\frac{a}{b}$	$\frac{a}{a} = 1$
2 <sup>nd</sup> quantity	b	$\frac{b}{b} = 1$	$\frac{b}{a}$

## Unit Rates

granola bars	8	2	1
dollars	4	1	0.50

Diagram showing equivalent ratios and unit rates:

- From 8 granola bars to 2 granola bars:  $\div 4$
- From 2 granola bars to 1 granola bar:  $\div 2$
- From 4 dollars to 1 dollar:  $\div 4$
- From 1 dollar to 0.50 dollars:  $\div 2$

2 granola bars per<sub>3</sub> dollar

CFU questions

Vocabulary

## CFU

Which of the following contain a unit rate? How do you know?

- A 45 tree logs on 5 trucks
- B 4.5 pounds in every 1 box
- C \$1:3ft
- D 32 miles per hour
- E 7cm:\$2

In your own words, what is a unit rate?

"A unit rate is \_\_\_\_\_."

## Vocabulary

- <sup>2</sup> equal value
- <sup>3</sup> for every 1