

## 6-2 Unit Rates

A rate is a ratio of 2 quantities with different units.

60 characters

30 seconds

A unit rate is simplified so the denominator is 1 2 characters ...or... 2 characters/second  
1 second

Express each rate as a unit rate.

$$\bullet \quad \frac{\$11}{4 \text{ boxes of cereal}} = \$2.75/\text{box}$$

$$\bullet \quad 400 \text{ miles on } 14 \text{ gallons of gas}$$

$$\frac{400 \text{ mi}}{14 \text{ gal}} = 28.6 \text{ mi/gal}$$

$$\bullet \quad \$120 \text{ for } 5 \text{ days of work}$$

$$\frac{\$120}{5 \text{ days}} = \$24/\text{day}$$

Peanuts		
Brand	Size	\$
Barrel	10oz	3.39
Mr. Nut	14oz	4.54
Chip's	18oz	6.26

← Which is the best deal?

$$\frac{\$3.39}{10} = \$0.34/\text{oz}$$

$$\frac{\$4.54}{14} = \$0.32/\text{oz}$$

$$\frac{\$6.26}{18} = \$0.35/\text{oz}$$