5.10 Comparing Rates

Tuesday, December 8, 2015 1:49 PM

Unit 5: Percent, Ratio, and Rate Math 8

5.10 Comparing Rates ***Name***_____ _____

Many grocery items come in different sized packages. We can compare unit rates to determine which item is the better buy.

Which item is the best buy?

250 mL $1.49 | 500 mL $1.69 | 1 L $2.79 | 2 L $3.99

Let's make the unit rates equivalent to 1L of milk.

$1.49/250mL = ($1.49×4)/(250×4) = $5.96/L

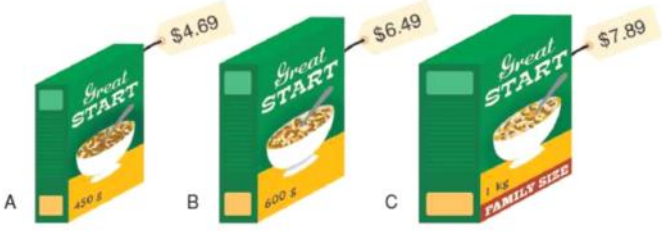
$1.69/500mL = ($1.69×2)/(500×2) = $3.38/L

$2.79/1L

$3.99/2L = 3.99/2L / 2 = $1.995/L ≈ $2.00/L

The best buy is $3.99/2L.

Which cereal is the better buy?



Note:
It is difficult to find the unit cost of 1*g* of something, so we must use 100*g* instead.

A $4.69/450g = $4.69/450g / 4.5 = $1.04222/100g ≈ $1.04/100g

B $6.49/600g = $6.49/600g / 6 = $1.0816/100g ≈ $1.08/100g

C $7.89/1Kg = $7.89/1000g / 10 = $0.789/100g ≈ $0.79/100g

Cereal C **is the best buy.**

Assignments: 5.9-5.10 Review (due in class)

puzzle

Homework: Review for Quest p.309 #14-34 odds or evens.

* FRIDAY *