SCM 6.3-6.4 Notes November 17, 2014



Unit Pricing

Vocab:

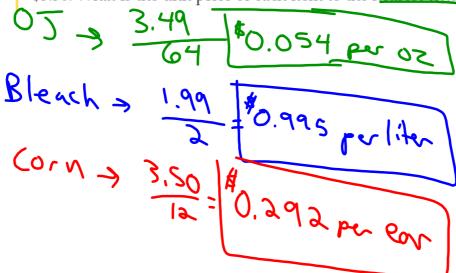
Unit Pricing - the cost per unit that you buy.

(ex. # per gal)



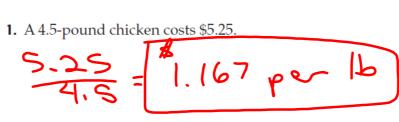
EXAMPLE

Shane Ladd purchased a 64-ounce container of orange juice for \$3.49, a 2-liter bottle of bleach for \$1.99, and a dozen ears of sweet corn for \$3.50. What is the unit price of each item to the nearest tenth of a cent?



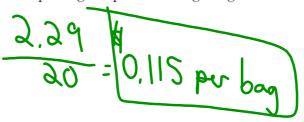


Find the unit price to the nearest tenth of a cent. Check your answers in the back of the book.



1

2. A 20-count package of plastic storage bags costs \$2.29.



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Comparison Shopping

Vocab:

Comparison Shopping - looking at unit prices
to get the best deal



EXAMPLE 1

Tolliver's Groceries sells ranch salad dressing in three sizes. The price of a 16-ounce bottle is \$3.49, of a 20-ounce bottle is \$4.69, and of a 36-ounce bottle is \$6.19. Based on price alone, which package is the best buy?

$$\frac{3.49}{16} = 0.218$$

$$\frac{4.69}{20} = 0.235$$

$$\frac{6.19}{36} = 0.172$$

$$36 - 02$$



Find the better buy. Check your answers in the back of the book.

1. Facial tissues: 75-count box for \$1.49; 184-count box for \$2.89.



Find the better buy. Check your answers in the back of the book.

2. Granola cereal: 14-ounce box for \$2.50; 20-ounce box for \$3.58.

$$\frac{3.58}{20} = 0.179$$



EXAMPLE 2 Algebra

1440

Justin Sanders computed the unit price of a 2-liter bottle of a soft drink and found it to be \$0.005 more per ounce than the unit price on a 12-pack of 12-ounce cans of the same soft drink. If the 2-liter bottle costs \$1.19 less than the cost of the 12-pack of 12-ounce cans, find the cost of a 2-liter bottle and the cost of the 12-pack of 12-ounce cans. (Note that 2 liters are equivalent to 67.6 fluid ounces.)

$$\frac{x}{67.6} = \frac{x+1.19}{144} + \frac{0.005 \cdot 144}{144}$$

$$\frac{x}{67.6} = \frac{x+1.19}{144} + \frac{x+1.19}{144}$$



Complete the problem. Check your answer in the back of the book.

3. The unit price on a 100-pound container of swimming pool chlorine is \$0.06 per pound less than the unit price on a 75-pound container. If the 100-pound container costs \$55.50 more than the 75-pound container, find the cost of each.