

Problems with the homework?

## P. 21 #1 - 9

1.1 Build Your Skills Detailed Solutions.pdf

4. 4 Thurs  $2x + 10 = 36$  Proportion  $\frac{13}{36}$   
 6 Friday  $\frac{2x = 36 - 10}{2}$   
 x Sat  $x = 13$   
 x Sun

8. 3 parts Spanish } Mahogany = y  
 4 parts mahogany }  
 $\frac{x}{12} = \frac{3}{7}$  }  $\frac{y}{12} = \frac{4}{7}$   
 $x = \frac{3(12)}{7}$  }  $y = \frac{4(12)}{7}$   
 $= 5.1$  }  $= 6.9$

## Unit Price

The cost of one unit; a rate expressed as a fraction in which the denominator is 1.

\*\*\* allows you to compare prices and determine the 'best buy'

EX: Five MVHS T-shirts cost \$40. The unit price is :

$$\frac{\$40.00}{5} = \$8.00$$



## Unit Rate

The rate or cost for one item or unit.

EX: Lay's chips can produce  
 25 000 bags of chips in a regular  
 8 hour shift. The unit rate is:

$$\frac{25,000}{8} = 3125 \text{ bags/hour}$$

**Example #1:**

Shoppers has a sale on Sunday where you can buy six 710 mL of pop for \$3.99. Calculate the unit price of 1 pop.



$$\frac{3.99}{6} = \$0.665 / \text{pop}$$

67¢ each

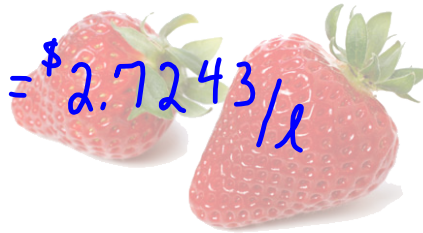
**Example 2:**

Shortcake picks fresh strawberries at a U-pick farm in Derby. If she fills a pint basket (0.5506 litres), it cost her \$1.50. If she fills a 4-litre ice cream pail, it will cost \$10.00.



Which size of container will give her a better buy?

$$\frac{\$1.50}{0.5506 \text{ l}}$$



$$= \$2.7243 / \text{l}$$

$$\frac{\$10}{4 \text{ l}} = \$2.50 / \text{l} \quad \checkmark \text{ cheaper}$$



# **HOMEWORK...**

**P. 26: Questions #1 - 7.**

[1.2 Build Your Skills Detailed Solutions.pdf](#)



## Attachments

---

1.2 Build Your Skills Detailed Solutions.pdf

1.1 Build Your Skills Detailed Solutions.pdf