

**Math 7 - Sections 1.1-1.3  
Review Problems  
Station # 3  
BEST BUY**

Key

**Things to remember:**

- \* Organize your work clearly**
- \* You must compare with the same units.**
- \* Write the unit rate in words first.**
- \* Record your calculator display BEFORE you round to the nearest cent.**

1) A 36 oz bottle of Shelly's shampoo costs \$4.32. A 28 oz bottle of Shelly's shampoo costs \$3.49. Which size is the better buy?

cost  
oz

36 oz bottle

$$\frac{4.32}{36}$$

$$4.32 \div 36$$

$$\$0.12/\text{oz}$$

\*  
Best Buy

28 oz bottle

$$\frac{3.49}{28}$$

$$3.49 \div 28$$

$$0.12464$$

$$\$0.12/\text{oz}$$

2) A bag of 24 jolly ranchers cost \$2.89. Another bag costs \$4.59 and contains 50 jolly ranchers. Find the best buy based on unit price.

cost  
j.r.

$$\frac{\text{Bag of 24}}{2.89}$$
$$\frac{2.89}{24}$$

$$2.89 \div 24$$

$$0.1204$$

$$\text{\$}0.12/\text{j.r.}$$

$$\frac{\text{Bag of 50}}{4.59}$$
$$\frac{4.59}{50}$$

$$4.59 \div 50$$

$$0.0918$$

$$\text{\$}0.09/\text{j.r.}$$

\*  
Best Buy

3) A two pound bag of candy costs \$4.79. A twenty ounce bag costs \$2.75.  
 Find the better buy based on unit price.

2 lb bag

20 oz bag

cost  
oz

$$\frac{4.79}{2(16)oz}$$

$$\frac{\cancel{4.79}}{\cancel{20}} \quad \frac{2.75}{20}$$

$$\frac{4.79}{32}$$

$$0.1375$$

$$4.79 \div 32$$

$$\text{\$}0.14/oz$$

$$0.14968$$

$$\text{\$}0.15/oz$$

\*  
Best Buy

4) Two bottles of Spicy barbeque sauce, each bottle 24 ounces, cost \$4.89.  
Three bottles of Mild barbeque sauce, each bottle 18 ounces, cost \$6.29.  
Find the best buy based on unit price.

$\frac{\text{cost}}{\text{oz}}$

Spicy

$$\frac{4.89}{2(24)}$$

$$\frac{4.89}{48}$$

0.1018

\$0.10/oz

Best  
Buy

Mild

$$\frac{6.29}{3(18)}$$

$$\frac{6.29}{54}$$

0.1164

\$0.12/oz



5) A three pound bag of candy costs \$6.49. A twenty-two ounce bag costs \$2.75. Find the better buy based on unit price.

$\frac{\text{cost}}{\text{oz}}$

3 lb bag

$$\frac{6.49}{3(16\text{oz})}$$

$$\frac{6.49}{48}$$

0.1352

\$0.14/oz

22 oz bag

$$\frac{2.75}{22}$$

0.125

\$0.13/oz

\* Best Buy

6) There are 48 peppermint candies in a 24 ounce bag that costs \$3.60. There are 18 peppermint candies in a 9 ounce bag that costs \$1.39. Which is the better buy?

	<u>24 oz bag</u>	<u>9 oz bag</u>
<u>cost</u>	<u>3.60</u>	<u>1.39</u>
oz	24	9

* Best Buy	\$0.15/oz	0.1544
		\$0.15/oz

or

<u>cost</u>	<u>3.60</u>	<u>1.39</u>
candy	48	18

	0.075	0.0772
	\$0.08/candy	\$0.08/candy
Best Buy *		

7) Four 10.75 oz cans of Campy soup cost \$1.69. Two 12 oz cans of Pro soup cost \$0.89. Which is the better buy based on unit price?

$\frac{\text{cost}}{\text{oz}}$

Campy

$$\frac{1.69}{4(10.75 \text{ oz})}$$

$$\frac{1.69}{43}$$

$$0.0393$$

$$\text{\$}0.04/\text{oz}$$

Pro

$$\frac{.89}{2(12 \text{ oz})}$$

$$\frac{.89}{24}$$

$$\text{\$} .0370$$

$$\text{\$}0.04/\text{oz}$$

Best Buy \*