

Your name _____

Assignment # 7 Points 15

Business Math Off-site Instruction Packet Cover Page (Periods 5, 7,8)

Students, You can contact me with questions or just to say hi.

Email: LEWISJU@mwood.cc (Put your name in the subject line so I know who you are!!). I will be checking mail multiple times each day.

Topic of this assignment: Best Buys

What you need to know: We're going to find unit costs (each, per ounce, per pound, etc.) in order to find the "best buy."

What you need to do: Read notes. Study Examples. Complete Classwork

BSN Math: Guided Notes

Name _____

Mrs. Lewis

8.3a Best BuysInstructional Objective(s):**8.3a Best Buys**

1. Students will be able to find and compare unit costs with 80% accuracy.
2. Students will be able to calculate savings with 80% accuracy.

~Start-Up

You can buy a set of irons (golf clubs) for \$89.99 at a discount store in a nearby city or for \$98.88 at a local sporting goods store. Why might you choose to buy the irons locally, even at a higher cost?

~Unit Price Comparisons

Many items are packaged in ways that make it difficult to compare them easily with competing brands. For example, one product may be packaged in an 8-oz jar while another brand uses a 12-oz jar.

To help shoppers compare the costs of products, many stores post unit prices on their shelves. The **unit price** is the price of one item or one measure of the item. It may be an ounce, a pound, a quart, a dozen, a hundred feet, or some other measure. If unit prices are not posted, you have to calculate them to compare the costs.

Example:

1. Gelo toothpaste costs \$1.28 for a 6-oz tube. Glowite toothpaste costs \$1.99 for a 4.6-oz tube. Which brand costs more per ounce? How much more?

Gelo	Glowite
$\$1.28 \div 6 \text{ ounces}$	$\$1.99 \div 4.6 \text{ ounces}$
$.213 \text{ per ounce}$	$.433 \text{ per ounce}$
Glowite costs .22 more per ounce	

2. A store sells an 18-oz. box of National Mills corn flakes for \$3.29 and a 24-oz. box of Keller's corn flakes for \$3.99. Which box sells for less per ounce? How much less per ounce?

National Mills

$$3.29 \div 18 \text{ ounces}$$

.183 per ounce

Keller's

$$3.99 \div 24 \text{ ounces}$$

.166 per ounce

Keller's costs .017 less per ounce.

~ Calculating Savings

To save money, you should know how to calculate the amount you can save by buying in large amounts or at discount stores. Many of the items you buy come in different sizes and at different prices.

Example:

3. How much will you save by buying 12 rolls of film now at \$3.98 rather than buying 1 roll at \$4.39 at a time?

$$12 \text{ rolls} \times 3.98 \text{ each}$$

$$47.76$$

$$12 \times 4.39 \text{ each}$$

$$52.68$$

$$52.68 - 47.76 = 4.92 \text{ savings}$$

4. A 53.7 square foot roll of Country paper towels costs \$1.49. An 80.6 square foot roll of the same paper towels costs \$1.89 on sale. Which is less expensive per square foot, the small or large roll?

$$1.49 \div 53.7$$

.028 / sq foot

$$1.89 \div 80.6$$

.023 / sq foot

Large is less expensive

Review:

1. You can buy a package of four D batteries for \$5.99 or a package of two D batteries for \$3.49. Which package costs less per battery? How much less per battery?

$$5.99 \div 4 \text{ in a pack} = 1.498 \text{ each}$$

$$3.49 \div 2 \text{ in a pack} = 1.745 \text{ each}$$

4 pack is .247 less
for 1 battery

2. After the holidays you can buy boxes of greeting cards @ 2 for \$32. The same boxes sold during the season for \$23.99 each. If you bought 6 boxes after the holidays, how much would you save? \$47.94

on sale

$$32 \div 2 \text{ boxes} = 16 \text{ each}$$

$$16 \times 6 = \$96 \text{ total}$$

Regular price

$$23.99 \times 6 = \$143.94$$

$$143.94 - 96 = \$47.94 \text{ Saved}$$

spoiler! 😊

Classwork:

your turn!

1. You can buy one set of 6 Cottonsoft bath towels for \$69.99 or two sets of 3 Bathtyme bath towels for \$35.59 per set.

a. What brand of towels costs less per towel?

b. How much less per towel, to the nearest tenth of a cent?

2. Store A sells a package of 4 twin bed sheets for \$31.95. Store B sells a similar quality sheet in a package of 6 for \$49.99.

a. Which store sells the sheets for less per sheet?

b. How much less per sheet, to the nearest tenth of a cent?

3. A supermarket sells four, 1 lb. cans of Colombian coffee for \$15.99. A corner grocery store has the same brand of coffee on sale for three, 2 lb. cans for \$24.99.

a. Which store sells the coffee for the least price per pound?

b. How much less per pound, to the nearest tenth of a cent?

3. Find the price of one unit of each item.

Qty.	Item	Total Price	Price of One Unit
2	Battery charger	\$79.99	
3	Rechargeable batteries	\$24.98	
3	Bottles of pain reliever	\$2.99	