

Name _____
Real World Math

Date _____
Period _____

Unit 3 Quiz 1 REVIEW
Unit Rates, Prices Per Pound, Comparison Shopping,
Installment Buying and Two Rate Problems,

Directions: Show all of your work. If necessary, round your final answers to the nearest cent or hundredths place.

1. Josh is a careful shopper. On a recent trip to the grocery store, he came across the following prices and weights. Calculate how much Josh spent on each item and then find the total. (Remember that there are 16 ounces in a pound.)

<u>Item</u>	<u>Weight</u>	<u>Price per pound</u>	<u>Cost</u>
Apples	1.3 pounds	1.39	
Bologna	14 ounces	2.49	
Lobster	1.33 pounds	6.99	
Potatoes	2.7 pounds	1.99	
Swiss cheese	15 ounces	2.79	
<u>Total spent on produce, meat, and cheese:</u>			

2. At Shop Rite, you can buy a gallon (128 ounces) of orange juice for \$5.99. At Stewarts, you can buy $\frac{1}{2}$ gallon (64 ounces) of orange juice for \$3.99. At Walmart, you can buy a frozen orange juice concentrate that makes 60 ounces for \$2.99. Find the unit price for each orange juice and then determine which is the best deal.

3. At Best Buy, you bought 10 DVD-R's for \$14.99. Your friend told you about a deal at Staples where you can get 5 DVD-R's for \$5.99. How much money would you have saved if you bought the 10 DVD-R's from Staples?

4. Maria is making tacos for a party and needs to choose among three bags of shredded cheddar from the local grocery store. One bag contains 8 ounces and costs \$2.49. One bag contains 12 ounces and costs \$3.79. Another bag contains 24 ounces and costs \$6.99. If Maria needs 48 ounces of shredded cheddar cheese to make the tacos, what size bags should she buy?

5. Trista can buy a computer at Office Depot in two different ways: pay \$800 cash OR put \$100 down plus 10 payments of \$80.

→ How much is the installment price?

→ How much would you save by paying cash?

6. Brett wants to buy a new radio. It can be bought for \$132 down plus 10 equal payments. If the total price of the radio is \$722, how large are the 10 equal payments?

7. Ashley is graduating this year and wants to have invitations made. A printer charges \$27 for the first 100 copies plus \$12 for each additional 100 copies. If Ashley plans to invite 300 people, what will the invitations cost?