Cola by the Ounce

Name:_____

The other day I stopped for gas and I saw the sign below, attached to the soda cooler.

1. I wondered which size soda was the best deal? Make a guess and explain your thoughts.

2. Use the information from the picture to fill in the first two columns of the table then find the price per ounce for each bottle. Consider any rounding of ounces or price that you might do to make "nicer" numbers.

Ounces of Soda (oz.)	Price ($)	$ per oz.

3. Which size of soda do you think is the best deal? How do you know?

4. Right after I left the gas station, my wife called and asked me to stop and get some milk. In the grocery store I noticed that I could get a 2-liter bottle of soda for $2.04. How much would that amount of soda cost per ounce? (Use 2 liters = 68 ounces for this calculation)

5. Earlier today I paid $3.59 for a gallon of gas. I wondered what costs more? Gasoline or soda? If I used the price per ounce from the 3 situations in problem number two, how much would a gallon of soda cost (there are 128 ounces in a gallon)?

6. Which costs more, a gallon of Coke or a gallon of gas? Show or explain your reasoning.

7. Why do you think that soda companies sell so many sizes of their product?

8. In most of the world gasoline, soda and milk are packaged and measured in liters, a metric system unit of volume. I looked up some costs of these liquids when they are sold in liter measurements. In Canada four liters of milk sells for about $6.48. A two-liter bottle of Coke sells for about $2. A liter of gas sells for about $1.30. Compare the cost of Coke, milk and gasoline in liters.

9. Reflect on the process of comparing the costs of Coke, milk and gasoline using metric versus using U.S. units.