

Math Lesson Plan #7

How Much is a Gallon?

Introduction:

Most of us are aware of the cost of a gallon of gas or milk. Today we will use our skills of calculation to determine the cost of other products we buy frequently. There is a chart provided to help you convert the different measurements. And please remember that real life situations of measurement are not always the same. If you would like to work in a group you may do so, but do at least several yourself.

Objectives:

In this lesson, students will:

- The student will be able to convert pints and quarts to ounces.
- The student will be able to multiple total ounces by the price given to get the cost of one gallon.

Session time: Approximately one hour.

Materials:

- “How Much is a Gallon?” worksheet, pencil and scrap paper.

Methods:

Can be done as a group activity or individual work.

Procedures:

- 1) Talk about the cost of a gallon of gas or milk. Explain that they will discover the price of a gallon of other common items that they frequently buy.
- 2) Caution them that they must consider the difference between ounces and gallons. Explain the chart.
- 3) Do the first problem with them.
- 4) Tell them that they may work in a group or individuality. If group work tell them to do several on their own.

Conclusion: Go over the worksheet together and answer any questions or concerns. Ask them if they see using this information in life helpful.

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How Much is a Gallon?

Most of us are aware of the cost of a gallon of gas or milk. However, it would be interesting to calculate the cost of a gallon of other frequently used items.

Complete the chart below.

Remember, like in real life situations, units of measurement are not always the same. Use the conversion chart above the table for help.

1 pint = 16 ounces (oz.)
1 quart = 32 ounces
1 gallon – 128 ounces
1 gallon – 4 quarts

<u>Item</u>	<u>Price per Container Unit</u>	<u>Price per Gallon</u>
Diet Coke	16 oz. for \$1.29	
Half & Half	1 pint for \$1.99	
Ice Tea	16 oz. for \$1.19	
Apple Juice	20 oz. for \$1.59	
Tomato Juice	1 quart for \$1.99	
Flavored Water	16oz. for \$1.25	
Pint of Milk	16 oz. for \$1.59	
Olive Oil	1 pint for \$3.99	
Motor Oil	12 oz. for \$1.15	
Cough Syrup	6 oz. for \$8.35	
Pepto Bismol	4 oz. for \$3.85	
Whiteout	7 oz. \$1.39	
Liquid Bleach	1 quart for \$1.50	
Scope Mouthwash	1.5 oz for \$0.99	
Bottled Water	9 oz. for \$0.99	