Name

Worksheet 2 - Dimensional Analysis II

1. Convert 14.9 g/mL to lb/gallon

2. Pistachio nuts cost $7.35/lb. How many grams of pistachios can be purchased for $5.00?

3. If a roll of nickel coins has a mass of 735 g, what is the mass on the roll on nickels in ounces?

4. Commercial sulfuric acid solution is 96.0% by mass H_2SO_4 in water. How many grams of H_2SO_4 are there in 850.0 g of the commercial solution?

5. How many grams of a 0.675% by mass solution of acetaminophen are required to deliver 200.0 mg of acetaminophen?

6. If the sun is 93,000,000 miles from earth, how long(minutes) does it take for sunlight to reach the earth? (Given: The velocity of light is 186,000 miles/second)