Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_

**In Class Practice – Problem Solving**

*Solve the following problems using dimensional analysis. Show all of your work.*

1. Your grandmother has just sent you the secret recipe for your family’s favorite stew. The recipe calls for 600. grams of stew meat but the scales at your supermarket measure pounds.
   1. How many pounds of stew meat will you need to buy?
   2. The stew meat is $2.89 per pound. How much will it cost?
2. A carpenter needs 2500 nails to complete a project. Bulk purchases like this are most efficiently purchased by weight. If a dozen nails weigh 0.25 pounds, how many pounds will the carpenter need to order?
3. How many seconds are there in 6 days?