

# Unit Conversion Practice Problems

Name \_\_\_\_\_

Period \_\_\_\_\_ Date \_\_\_\_\_

**Show all work. NO WORK = NO CREDIT!**

## **Basic Conversions.**

1. How many inches are in a mile?
2. How many seconds are in a day?
3. How many fluid ounces (fl. oz.) are in a gallon?
4. How many liters are in one cubic meter?
5. How many ounces are in a kilogram?
6. How many Tablespoons (Tbsp) are in a cup?
7. How many seconds are in a year? (Ignore leap years.)

**Europe.** Lee is working in France for a year. Most signs in Europe are measured in units that Lee is not used to.

**8.** Lee sees a sign that says Paris is 45 km away. How many miles is that?

**9.** A scale tells Lee he weighs 85 kg. How many pounds does Lee weigh?

**10.** Lee goes on a diet, so he wants to drink at least 12 cups of water per day. How many liters of water is that?

**11.** Lee's annual salary is 52,614 Euros (€). If  $\$1 = € 0.82$ , what is Lee's salary in American dollars?

**Cooking.** Carol is making a chocolate meringue pie for a party.

**12.** The recipe calls for  $\frac{1}{4}$  cup butter, but Carol knows the wrapper on a stick of butter is marked in Tablespoons. How many Tbsp of butter should Carol use?

**13.** The recipe calls for 2 Tbsp cocoa powder, but Carol only has a teaspoon measuring spoon. How many teaspoons of flour should she use?

**14.** The recipe calls for 2 eggs, but Carol wants to use a healthier egg substitute. The package says 1 cup of the substitute is the same as 4 eggs. How much of the egg substitute should she use?