

## Unit Conversion Practice Problems

**Directions:** Complete the following conversions. DO NOT forget to use sig figs, and place your answer in both standard form and scientific notation.

1. How many kilometers are there in 2.00 miles?
2. A recipe for making cookies calls for 7.00 oz of sugar. How many grams of sugar should you have?
3. Convert  $8.29 \times 10^3$  L to pints.
4. How many centimeters are there in 98 meters?
5. One lap around the school track is 400. m. How many miles did you run if you ran twice around the track?
6. Mr. Jenks drinks about 0.40 L of coffee in the morning. How many quarts does he drink?
7. The mass of a proton is  $1.67 \times 10^{-27}$  kg. What is the mass of the proton in pounds?
8. Convert 6.29 quarts to L