

Name \_\_\_\_\_

Period \_\_\_\_\_

Unit Conversions Worksheet 1

**Use unit analysis to solve the following problems.** (Conversion factors are available on the “Measurements and Units” handout).

1. Convert 83 cm into meters.

7. Convert 2.0 miles to inches.

2. Convert 459 L into milliliters.

8. Convert \$25 to dimes.

3. Convert 2.5 mm to micrometers.

9. Convert 10 weeks into minutes.

4. Convert 12 yards to feet.

10. Convert 0.00378 kg into grams.

5. Convert 10 hours to seconds.

11. Convert 12.1 mm into centimeters.

6. Convert 15 quarts to pints.

12. Convert 6.8 gallons into milliliters.

Name \_\_\_\_\_

Period \_\_\_\_\_

13. A chemical costs \$5.25 per pound. What would be the cost of 10.0 kg of the chemical?

14. Arrange the following from shortest to longest:

- a. a 1.21 m chain
- b. a 75 inch rope
- c. a 3 ft-5in rattlesnake
- d. a yardstick

15. Write down your height (in feet and inches): \_\_\_\_\_

a. Determine your height in inches.

b. Determine your height in centimeters.

c. Determine your height in yards.

d. Determine your height in miles (write your answer in scientific notation).