Name _____

Date _____ Pd ____

Chemistry – Unit 1 - Worksheet 6

Dimensional Analysis

Use the factor-label method to make the following conversions. Remember to use the appropriate number of sf's in your answer.

Part 1

1. 74 cm x _____ = _____ meters

2. 8.32×10^{-2} kg x _____ = _____ grams

3. 55.5 mL x _____ = _____ cm^3

4. 0.00527 cal x _____ = _____ kilocalories

5. 9.52×10^{-4} m x _____ = _____ micrometers

6. 41.0 mL x _____ = _____ liters

7. 6.0×10^{-1} g x _____ = _____ mg

8. 8.34×10^{-9} cg x _____ = _____ g

9. 5.0×10^{3} mm x _____ = _____ m

10. 1 day x _____ x _____ x _____ = _____ seconds

11. 5×10^{4} mm x _____ x _____ = _____ km

12. 9.1×10^{-13} kg x _____ x _____ = _____ ng

13. 1 year x _____ x _____ = _____ hours (approximately)