Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class period: \_\_\_\_

MC900130271[2]

**Unit: Dimensional Analysis Answer Key**

**“One and Two Step Problems” – WS #1**

# **Directions:** Use dimensional analysis to perform the following calculations. Show K, U, and plan! Use correct sig figs and units!

1. How many cm are equal to 1.45 m?
2. How many kg are equal to 325 g?
3. How many mL are equal to .0024 L?
4. How many km are equal to 1.55 x 104 m?
5. How many mm are equal to 4.75 x 10-2 m?
6. How many cg are equal to 0.459 kg?
7. How many km are equal to 5,995 dm?
8. How many mg are equal to 450 μg?
9. How many mm are equal to 0.003 dm?
10. How many ML are equal to 4.567 x 104 mL?