Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: 8/30/11 Period: \_\_\_\_\_\_\_\_ HW

**Practice with the Metric System**

1. My cat Oliver is 24 inches long. There are 2.54 cm in 1 inch.
   1. How long is Oliver in cm? \_\_\_\_\_\_\_\_\_
   2. How long is Oliver in m? \_\_\_\_\_\_\_\_\_\_
   3. How long is Oliver in km? \_\_\_\_\_\_\_\_\_
2. Oliver weighs 15 lbs. There are .454 kg in 1 lb.
   1. What is the mass of my cat in kg? \_\_\_\_\_\_\_\_
   2. What is the mass of my cat in g? \_\_\_\_\_\_\_\_\_
   3. What is the mass of my cat in mg? \_\_\_\_\_\_\_\_\_
3. The other day, I was making muffins from a British cookbook. I was ready to go with my measuring cups and spoons, but all of the units in the cookbook were metric (g and mL)!
   1. The recipe called for .24kg of flour. There are 120g of flour in 1 cup. How many cups of flour did I need? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(HINT: there are 2 steps!)** Show your work:
   2. The recipe called for .060 L of milk. There are 240 mL in a cup. How many cups of milk did I need? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(HINT: there are 2 steps!)** Show your work:

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