

Name: _____ Date: _____ Period: _____



Extra Credit for Homework Grades!!! Woohoo! (One coupon per student. Equivalent to 10 O-bucks.) DIRECTIONS: To cash in this coupon write your own math question. The question should test one of the skills from UNIT 1 by applying the ideas in a *real-world application*. Write or type your word problems and then work the solutions. An example is done for you below.

EXAMPLE PROBLEM (Conversions):

Raph and his friend Christina are driving around Marietta at a slow rate of 10 miles per hour playing Pokemon Go—even though you are not supposed to drive and play at the same time ;). Raph needs to travel 2km to hatch his Pokemon egg. How many miles does he need to drive to hatch his new egg? How long will it take Raph to hatch the egg. (Show all units)

EXAMPLE WORK and SOLUTION:

$$\frac{2 \text{ km} \cdot 0.621 \text{ mi}}{1 \text{ km}} = 1.242 \text{ mi}$$

$$\frac{1.242 \text{ mi}}{10 \text{ mph}} = 0.124 \text{ hr} \text{ or } 7.44 \text{ min}$$

Raph will need to drive for about 7 and a half minutes to drive 1.242 miles to hatch his egg.

POSSIBLE TOPICS:

- Unit Conversions / Dimensional Analysis
- Linear Models
- Consecutive Integers
- Averages
- Finding Length and Width
- Solving for 2-variable Equations,

Remember, your question must be a real-world situation/application. ;)