Assignment Record Sheet

Math Core C

Full Name: _____ **Week: 3/2 - 3/6**

Unit Name: Comparing and Scaling Periods: 3 & 5

Date Assigned	Focus Question??	Homework (IP=in packet)	Meets Expectation (15 points)	Approaching Expectations (5 points)	Below Expectation (0 points)
Monday Mar. 2	*How can you use scale factors, rate tables, proportions, equations, or graphs to find amounts of a mixture, given the proportions?*	**WU:** None **CW:** Unit Test Review (IP) – Day 1 **HW:** None	**WU:** **CW:** **HW:**		
Tuesday Mar. 3	*How can you use scale factors, rate tables, proportions, equations, or graphs to find amounts of a mixture, given the proportions?*	**WU:** None **CW:** Unit Test Review (IP) – Day 2 **HW:** Study for Test	**WU:** **CW:** **HW:**		
Wed. Mar. 4	*How can you use scale factors, rate tables, proportions, equations, or graphs to find amounts of a mixture, given the proportions?*	**WU:** None **CW:** Unit Test – Day 1 **HW:** None	**WU:** **CW:** **HW:**		
Thursday Mar. 5	*How can you use scale factors, rate tables, proportions, equations, or graphs to find amounts of a mixture, given the proportions?*	**WU:** None **CW:** Unit Test – Day 2 **HW:** None	**WU:** **CW:** **HW:**		
Friday Mar. 6	*How can you use scale factors, rate tables, proportions, equations, or graphs to find amounts of a mixture, given the proportions?*	**WU:** None **CW:** Math Review **HW:** None **Turn in your packet**	**WU:** **CW:** **HW:**		

Total Homework Score for the Week: _____/75

Daily Materials Score _____/25

Name ..... Date ..... Class .....

Unit Test Review for use after Investigation 3

1. The table below shows the medal count of four countries at the 2012 Summer Olympics. Use the data to complete each statement.

Country	Gold Medals	Total Medals
United States of America	46	104
Russian Federation	24	82
Australia	7	35
Canada	1	18

SOURCE: The London Organising Committee of the Olympic Games and Paralympic Games Limited

a. The ratio of United States gold medals to Russia gold medals was about ____ to 1.

b. Canada had about ____ as many total medals as Australia.

c. About ____ % of Australia's total medals were gold.

Unit Test Review (continued)

2. There are 64 pretzels in a 16-ounce bag of chocolate-covered pretzels.

a. Write and solve a proportion that you can use to find the number of chocolate covered pretzels in a 5-ounce bag.

b. What is the number of chocolate-covered pretzels per ounce?

c. How many ounces does each pretzel weigh?

Unit Test Review (continued)

3. The local Farm Market sells peppers at five for $2.25.

a. Complete the rate table.

Number of Peppers	1	2	3	4	5	10	15	20	100
Cost					2.25				

b. How many peppers could you buy for $20?

c. Describe what the graph of this data would look like and name a point on the graph.

d. Write an equation that relates the number of peppers, n, and the cost, C.

e. What is the constant of proportionality? How do you know?

Unit Test Review (continued)

4. Many U.S. employees received a 3% raise in 2012. Suppose an employee made $47,000 in 2011 and received a 3% raise. What she did make in 2012? Show two different ways to answer the question.

5. Danielle wants to paint her daughter's room pink. She has been told two different plans:

- Plan A: Use 5 parts white and 2 parts red
- Plan B: Use 4 parts white and 1 part red

Which plan will give her paint that is the *least* red? Explain what the numbers in your calculations mean.

Unit Test Review (continued)

6. The train ride at the zoo covers a distance of $2\frac{1}{2}$ miles in $\frac{1}{3}$ of an hour.

a. How many miles per hour does the train go?

b. How far can the train travel in 3 hours? Show your work.

7. Nancy wants to put a birdseed mix in her birdfeeder. The mix is 20% wild bird seed and 80% sunflower seed. Her birdfeeder can hold 8 cups of birdseed. How much wild bird seed does she need to fill the birdfeeder?

8. The engine in Paul's weed whacker uses an oil–gas mixture. The owner's manual recommends mixing the oil and gasoline together, using the size of the oil container to guide how much of each to use. It states to use $\frac{1}{8}$ part oil with 4 parts gasoline. Paul buys a 32-ounce container of oil. How large of a container will he need to hold the mixture if the amount of oil he uses is $\frac{1}{8}$ of the oil container?