Mr. Mendez/Ms. Marsh CORE Science 7

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

Homework Assignment:

Solve the following problems.

1. 5 kilometers = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ decimeters
2. 200 liters = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_hectoliters
3. 50 decaseconds = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ centiseconds
4. 4,000,000 millimeters =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ kilometers
5. 10 seconds = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ milliseconds
6. The equation for the area of a rectangle is \_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ .
7. Find the area of a rectangle that has a length of 15 cm. and a width of 5 cm.
8. If the area of a rectangle is 50 cm2 and its length is 25 cm., what is the width of the rectangle? Show your work?
9. The equation for the volume of a rectangular cube is:

\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ .

1. Find the volume of a rectangular cube that has a length of 25 cm. and a width of 5 cm. and a height of 10 cm.
2. If the volume of a square cube has is 1000 cm3 and its length is 10 cm., what are the width and the height of the square? Show your work? Hint: The sides of a square cube are all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Liters, meters, grams and seconds are all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ units.