Hello All,

I would ask you to look through the recitation W1 KEY and Notes “Recitation W1 common mistakes” to figure out what is wrong with your answers.

Recitation W1 common mistakes:

**Problem #2**:

* Build correct conversion factors from the given information/statements
* Give the final answers in proper scientific notation (read the problems – what you are asked to complete)
* Why do you lose a trailer “0” in d)? It is significant because it goes after decimal point.
* **Show all the calculations – we need to see how you apply conversions or equations!**

**Problem #3**: a),b), c) –

* Apply the rules working with addition&subtraction and multiplication&addition
* Keep all the sign. Figures, do not lose them, when rewrite the result in scientific notation

**Problem #4:**

* Recognize 5/9, 32 and 273.15 as exact numbers; they don’ effect the number of sig. fig in the final answer.
* Apply the rules working with addition&subtraction and multiplication&addition

**Problem #5:**

* After conversion and applying the sign. Figures rules for addition&subtraction and multiplication&addition, round correctly!

**Problem #6:**

Consider the spilled oil as a cylinder:

* Volume = Area x thickness, so
* Area = Volume/thickness
* Work with conversions to get proper units
* Round off the final answer correctly: one sig. fig. comes from the thickness 0.5mm

Have a nice week!

Dr. Bailey