**Honors Quiz Review: Units, Conversions, and Sig Figs**

1. How many sig figs do the following numbers have, and what decimal place can we assume they have been rounded to?

|  |  |  |
| --- | --- | --- |
| Measured value | # of sig figs | Rounded to \_\_\_\_\_ |
| 0.0904 grams |  |  |
| 3800 grams |  |  |
| 41.0 grams |  |  |
| 4.30 x 10-2 grams |  |  |

1. Why are significant figures important? Why can’t we just ignore them entirely?
2. Convert 0.340 km to centimeters.
3. Convert 45 liters to gallons. There are 3.89 liters in 1 gallon.