**Significant Figures Practice Problems!**

1. What are significant figures good for? What information do they give us about a measured value?
2. How many significant figures are in each of the following numbers, and what precision do they have?

a) 12 grams

b) 4.00 grams

c) 400 grams

d) 6400 grams

e) 0.003 grams

f) 0.00501 grams

g) 0.005010 grams

1. Let’s say I’ve found that the weight of a paper clip is “1.00 grams.” Why would it be incorrect for me to write my measurement as “1 gram”. Wouldn’t your math teacher tell you that these numbers were the same?