

Data Collection Review Sheet

- 1) Determine the number of significant figures in each of the following values:
 - 6.80 mL _____
 - 0.020 g _____
 - 130 m _____
 - 9.0×10^6 mg _____
- 2) What do the following prefixes mean?
 - micro _____
 - centi _____
 - milli _____
 - kilo _____
- 3) Convert 34 grams to mg:

- 4) Convert 5.2×10^6 mg to cg:

- 5) What is the metric unit for temperature? _____
- 6) What is the difference between accuracy and precision?

- 7) I have found the mass of a hammer to be 350 grams. Unfortunately, my percent error was +15%. What is the true mass of the hammer?

- 8) The mass of a penguin was found to be 20 kg. If the volume of the penguin is 28 L, what is the penguin's density?

- 9) Why is it improper to always draw a line through the origin when you are making a graph? What is the proper procedure?