**Significant Figures and Unit Conversion:**

**The Funnest Worksheet Around!**

Please answer the following questions:

1. Convert 56 inches to cm. There are 2.54 centimeters in 1 inch.
2. Convert 56 cm to km .
3. Convert 11.4 kg to mg.
4. How many significant figures do each of the following measured values have, and to what precision have they been rounded?

* Sample problem: “3.40 mg” has three significant figures and is rounded to the nearest 0.01 mg.

1. 450 grams \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 350.0 kg \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 0.0020 mg \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 4.50 x 105 grams \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 0.002020 mg \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_