**Significant Figures Quiz**

**Determine the number of significant figures for each number.**

1. 1747    \_\_\_\_\_\_\_\_\_\_\_
2. 0.00000984     \_\_\_\_\_\_\_\_\_\_\_
3. 3200.0 x 102  \_\_\_\_\_\_\_\_\_\_\_
4. 0.002014 x 102  \_\_\_\_\_\_\_\_\_\_\_
5. 10.0005 g   \_\_\_\_\_\_\_\_\_\_\_
6. 0.003423 \_\_\_\_\_\_\_\_\_\_\_
7. 2900   \_\_\_\_\_\_\_\_\_\_\_
8. 8.9 x 105 \_\_\_\_\_\_\_\_\_\_\_
9. 0.0003350   \_\_\_\_\_\_\_\_\_\_\_
10. 10.26730   \_\_\_\_\_\_\_\_\_\_\_

**Determine the answer for each of the following.  Be sure to use the correct number of significant figures in your answers.**

1. 85.26 g + 4.7 g \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 186.4 kg – 57.83 kg \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 5,108 m/4.2107 m \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 1.67 km x 8.5 km \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 2.600cm x 9.4 cm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. 34 g + 4.762 g + 13.124 g \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 0.32 mL x 14.50 mL x 120 mL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. 24.1 mm / 0.005 mm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. 54.90 g - 2.6390 g \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. 1.2345 L + 2.1234567 L \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Extra credit: Convert each of the following into correct scientific notation.**

25600000000000000  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   0.00000984     \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_