

5. Give the number of significant figures in each of the following.

a) 1.05 g _____

b) 0.0003040 mm _____

c) 29000 \pm 10 ft _____

d) 0.90 x 10⁴⁵ L _____

e) the number of eggs (12) that make up a dozen _____

6. Determine the answer for each of the following. Be sure to use the correct number of significant figures.

$$\begin{array}{r} \text{a) } 17.34 \\ 4.900 \\ + 23.1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 9.80 \\ - 4.762 \\ \hline \end{array}$$

c) 3.9 x 6.05 x 420 =

d) 14.1 / 5 =

7. Round each of the following to 3 significant figures.

77.0653 _____ 6,300,178.2 _____

0.00023350 _____ 10.2030 _____

2.895 x 10²¹ _____