

Significant Figures Practice:

1. How many significant figures are in each number below?

- a.) 0.052 b.) 45000 c.) 0.007560 d.) 4.40×10^4 e.) 5067.00

2. Add or subtract the following values and round your answer to the correct number of significant figures.

- a)
$$\begin{array}{r} 52.01 \\ + 8.11 \\ \hline \end{array}$$
- b)
$$\begin{array}{r} 152.3 \\ -108.420 \\ \hline \end{array}$$
- c.)
$$\begin{array}{r} 29.0054 \\ - 4.21 \\ \hline \end{array}$$
- 4)
$$\begin{array}{r} 8.98 \\ 47.46 \\ + 0.7 \\ \hline \end{array}$$

3. Multiply or divide the following values and round your answer to the correct number of significant figures.

- a.) 434.0×29.118
- b.) $878.231 \div 45$
- c.) $1455.54 \times 0.1213 \times 87.0$
- d.) $29.801 \div (2.0 \times 10^3) \div 0.888$