

## Significant Figures Worksheet

1. Indicate how many significant figures there are in each of the following measured values.

246.32	_____	1.008	_____	700000	_____
107.854	_____	0.00340	_____	350.670	_____
100.3	_____	14.600	_____	1.0000	_____
0.678	_____	0.0001	_____	320001	_____

2. Calculate the answers to the appropriate number of significant figures.

$$\begin{array}{r} 32.567 \\ 135.0 \\ + 1.4567 \\ \hline \end{array}$$

$$\begin{array}{r} 246.24 \\ 238.278 \\ + 98.3 \\ \hline \end{array}$$

$$\begin{array}{r} 658.0 \\ 23.5478 \\ + 1345.29 \\ \hline \end{array}$$

3. Calculate the answers to the appropriate number of significant figures.

a)  $23.7 \times 3.8 =$  \_\_\_\_\_ e)  $43.678 \times 64.1 =$  \_\_\_\_\_

b)  $45.76 \times 0.25 =$  \_\_\_\_\_ f)  $1.678 / 0.42 =$  \_\_\_\_\_

c)  $81.04 \times 0.010 =$  \_\_\_\_\_ g)  $28.367 / 3.74 =$  \_\_\_\_\_

d)  $6.47 \times 64.5 =$  \_\_\_\_\_ h)  $4278 / 1.006 =$  \_\_\_\_\_