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.

32.567	246.24	658.0
135.0	238.278	23.5478
+ 1.4567	+ 98.3__	+ 1345.29__

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

a) 23.7 x 3.8 = _____

b) 45.76 x 0.25 = _____

c) 81.04 x 0.010 = _____

d) 6.47 x 64.5 = _____

e) 43.678 x 64.1 = _____

f) 1.678 / 0.42 = _____

g) 28.367 / 3.74 = _____

h) 4278 / 1.006 = _____

Significant Figures Practice Worksheet

How many significant figures do the following numbers have?

1) 1234 _____

2) 0.023 _____

3) 890 _____

4) 91010 _____

5) 9010.0 _____

6) 1090.0010 _____

7) 0.00120 _____

8) 3.4×10^{4} _____

9) 9.0×10^{-3} _____

10) 9.010×10^{-2} _____

11) 0.00030 _____

12) 1020010 _____

13) 780. _____

14) 1000 _____

15) 918.010 _____

16) 0.0001 _____

17) 0.00390 _____

18) 8120 _____

19) 7.991×10^{-10} _____

20) 72 _____