Significant Figures Worksheet

1.	Indicate	how many	significant	t figures the	e are in eac	h of the fol	lowing measure	d values.
т.	marcate	110 W IIIuii y	biginitioum	t rigures the	c are m cae	n or the ror	io wing incubulc	a varue

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.

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

Significant Figures Worksheet Key

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

246.32	5 sig figs	1.008	4 sig figs	700000	1 sig fig
107.854	6 sig figs	0.00340	3 sig figs	350.670	6 sig figs
100.3	4 sig figs	14.600	5 sig figs	1.0000	5 sig figs
0.678	3 sig figs	0.0001	1 sig fig	320001	6 sig figs

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

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

= 11

b) 45.76 x 0.25

a)
$$23.7 \times 3.8 = 90.$$
 e) $43.678 \times 64.1 = 2.80 \times 10^3$

f) 1.678 / 0.42

= 4.0

c)
$$81.04 \text{ g } \times 0.010 = 0.81$$
 g) $28.367 / 3.74 = 7.58$

d)
$$6.47 \times 64.5$$
 = 417 h) $4278 / 1.006$ = 4252