Name:	
	Per:

Significant Figures Worksheet

Determine the number of significant figures in the following numbers.

71

6.738 x 10⁻⁹

0.080702 _____

5651.00_____

110 _____

3.645 x 10⁻⁶

78402 _____

23.0 _____

101.0 _____

96.00 _____

0.009007 _____

0.00334 _____

0.0308 _____

6.217 x 10¹ _____

9.3363 x 10⁻²

135.90 _____

0.040 _____

6.02 x 10²³ _____

7500 _____

0.602100 _____

5 x 10¹⁵_____

Rewrite the numbers above representing the requested number of sig figs.

(1) _____

(3) _____

(4) _____

(2) _____

(1)_____

(1)_____

(4) _____

(2) _____

(1) _____

(3) _____

(1)_____

(2) _____

(2) _____

(2) _____

(3) _____

(2) _____

(1) _____

(2) _____

(1) _____

(2) _____

(1)_____

When collecting data using laboratory equipment, explain the rule for how many places of accuracy we can represent in our measurements.	decimal
Using a balance that always reads 0.50 grams too low, a student obtains the mass beaker to be 50.62 grams. The student then adds some sugar to the beaker and, a same balance, obtains a total mass of 69.88 grams. Is the mass of the sugar inact 0.50 grams? Defend your answer.	using the
Why is it important to use the correct number of significant digits when expressi measurements or reporting answers?	ng