

Practice Problems, Numbers Reporting and Calculations.

Remember: +/- follow greater uncertainty while X/+ follow the lesser number of sig. Fig.

	Sig. Figs.	Sci. Notation	Uncertainty
1.60			
1.002			
0.673			
0.000907			
0.10003			
78.2			
340.			
1200			
301.03			
5700			
980070			
72104000000			
0.000000120			
380010000			

Calculate and express to correct number of sig. Figs.

$$901 + 1.23 + 11.7 =$$

$$(1.2 \times 10^{-2})(9.07 \times 10^{-3}) =$$

$$7800 + 23 =$$

$$43.0 - 56 + 78.12 =$$

$$\frac{(6.65 \times 10^{-7})(8.937 \times 10^{-3})}{7.2 \times 10^4}$$

$$\frac{(6.3401 \times 10^{-9})(2.821 \times 10^{-2})}{(2.201 \times 10^8)(901.75)}$$

$$\frac{23.7 + 7601 + 12.5 - 73.7}{9.87 \times 10^{-2}}$$

$$12000 + 8700 + 13067 - 9750 =$$