

The “Quick & Dirty” Sig Fig* Chart

* Sig Fig = Significant Figures

Rounding Up or Down: *Round up **only** if first extraneous number is 5 or larger*

$$18.\underline{3}4 = 18.3$$

$$18.\underline{3}5 = 18.4$$

$$18.\underline{3}6 = 18.4$$

Note: *Round up or down only at the **end** of the calculation*

Multiplying & Dividing: *Use lowest number of sig figs in equation*

$$\frac{\begin{smallmatrix} (4 \text{ sig figs}) \\ (3 \text{ sig figs}) \end{smallmatrix} \frac{0.01208}{0.0236}}{=} = \mathbf{0.512} \text{ (3 sig figs)}$$

$$2.6 * 2.6 = \mathbf{6.8}$$

Adding & Subtracting:

*# of decimal places in **answer** = # of decimal places in value with **fewest places***

$$140.76 \text{ (hundredths)} - 22.1 \text{ (tenths)} = \mathbf{118.7} \text{ (tenths)}$$

$$140 \text{ (tens)} + 22.1 \text{ (tenths)} = \mathbf{160} \text{ (tens, or } 1.6 * 10^2)$$