Know your Constants

Multiple trials

\[ m = 0.150 \pm 0.002 \quad \Rightarrow \quad \% U_m = \frac{0.002}{0.150} \]

\[ \% U_{F_g} = \% U_m \]

\[ F_g = m \cdot 9.8 \text{ N/kg} \]

To find uncertainty of \( F_g \)

\[ \% U_{F_g}(F_g) = U_{F_g} \]