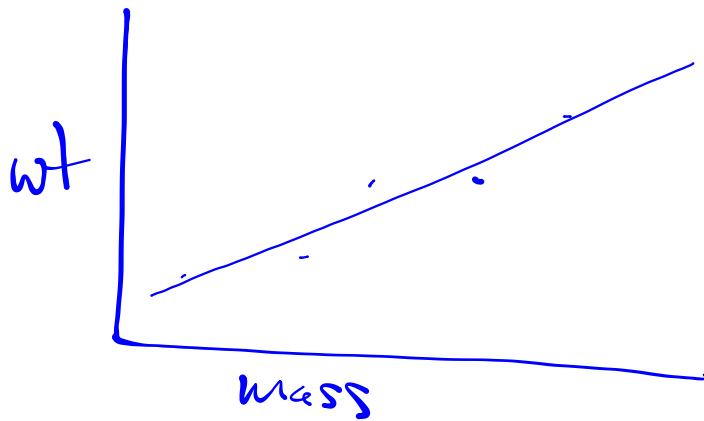


Lab debrief: What is a newton?



$$c. \text{ slope} = \frac{\text{rise}}{\text{run}} = \frac{y(15) - y(3)}{x(15) - x(3)} =$$

Ex:

$$\frac{1.0 \text{ N} - 0.20 \text{ N} = 0.80 \text{ N}}{0.1002 \text{ kg} - 0.0237 \text{ kg} = 0.0765 \text{ kg}}$$

$$= \frac{0.80 \text{ N}}{0.0765 \text{ kg}} =$$

$$10 \text{ N/kg}$$

$$d. \text{ weight} = \text{mass} \times \text{gravity}$$

$$e. W = mg = 10 \text{ kg} (10 \text{ N/kg}) = \underline{\underline{100 \text{ N}}} \text{ Ex}$$

4a. $\frac{\text{mass of 3 washers}}{3} = \text{mass of 1 washer}$

$\frac{\times 7}{\text{mass of 7 washer (kg)}}$

$\frac{\text{wt. of 3 washers}}{3} = \text{wt. of 1 washer}$

$\times 7 = \text{wt. of 7 (w) washers}$