

2c

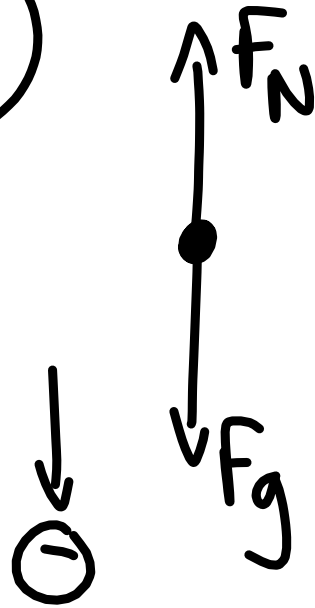
$$F = ma$$

$$F = \text{kg} \cdot \frac{\text{m}}{\text{s}^2}$$

$$F = 65 \cdot 2$$

$$F = 130 \cdot \frac{\text{kg} \cdot \text{m}}{\text{s}^2} = \text{N}$$

2d



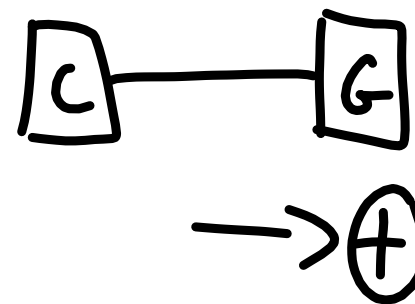
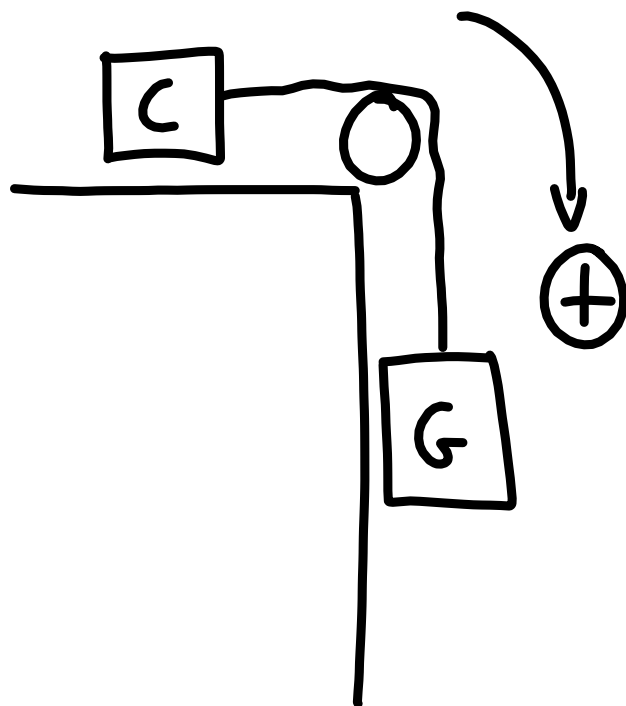
$$\sum \vec{F} = F_N - F_g = ma$$

$$F_N = ma + F_g$$

$$F_N = (65)(2) + (65)(9.81)$$

$$F_N = 768 \text{ N}$$

5



$$F = ma$$

$$N = \text{kg} \frac{\text{m}}{\text{s}^2}$$

$$F = ma$$

$$\frac{F}{m} = a$$

$$\frac{N}{\text{kg}}$$