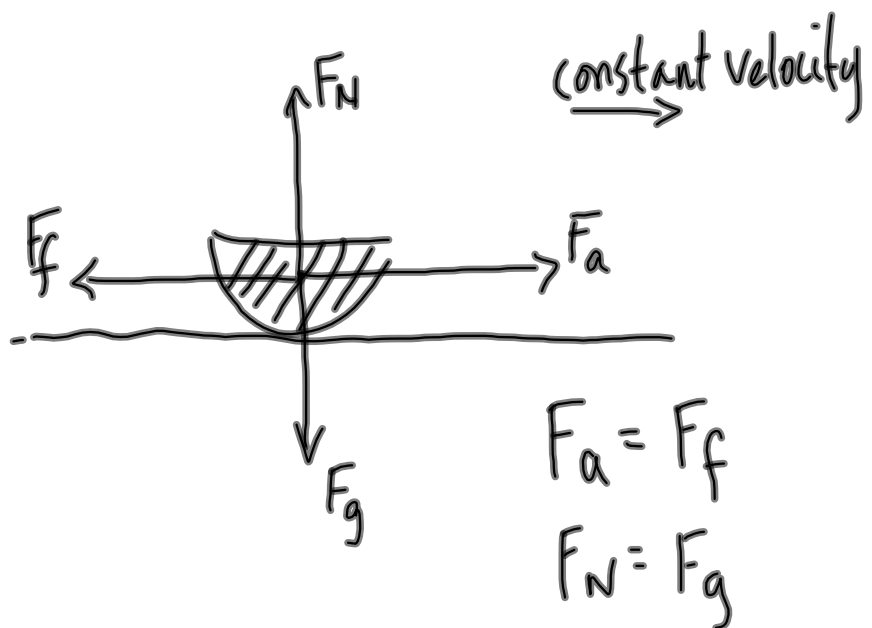


Recap

Weight: $\vec{F}_g = m\vec{g}$

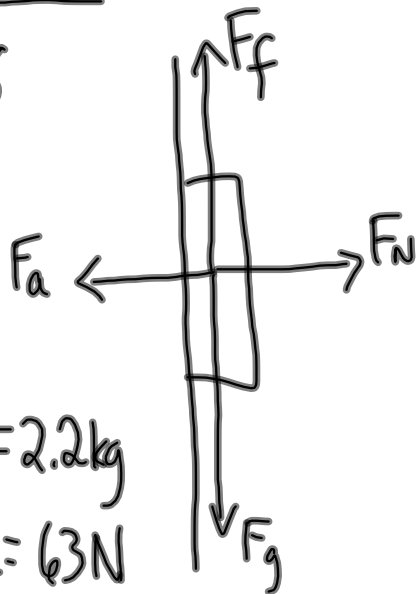
Friction: $F_f = \mu F_N$

(static
+ kinetic)



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$$m = 2.2 \text{ kg}$$

$$F_a = 63 \text{ N}$$

$$\mu_s = ?$$

$$\bar{F}_f = F_g \text{ and } F_a = F_N$$

$$F_f = \mu F_N$$

$$\frac{F_g}{F_a} = \frac{\mu F_a}{F_a}$$

$$\mu = \frac{F_g}{F_a}$$

$$\mu = \frac{mg}{F_a}$$

$$\mu = \frac{(2.2 \text{ kg})(9.8 \text{ m/s}^2)}{63 \text{ N}}$$

$$\mu = 0.34$$