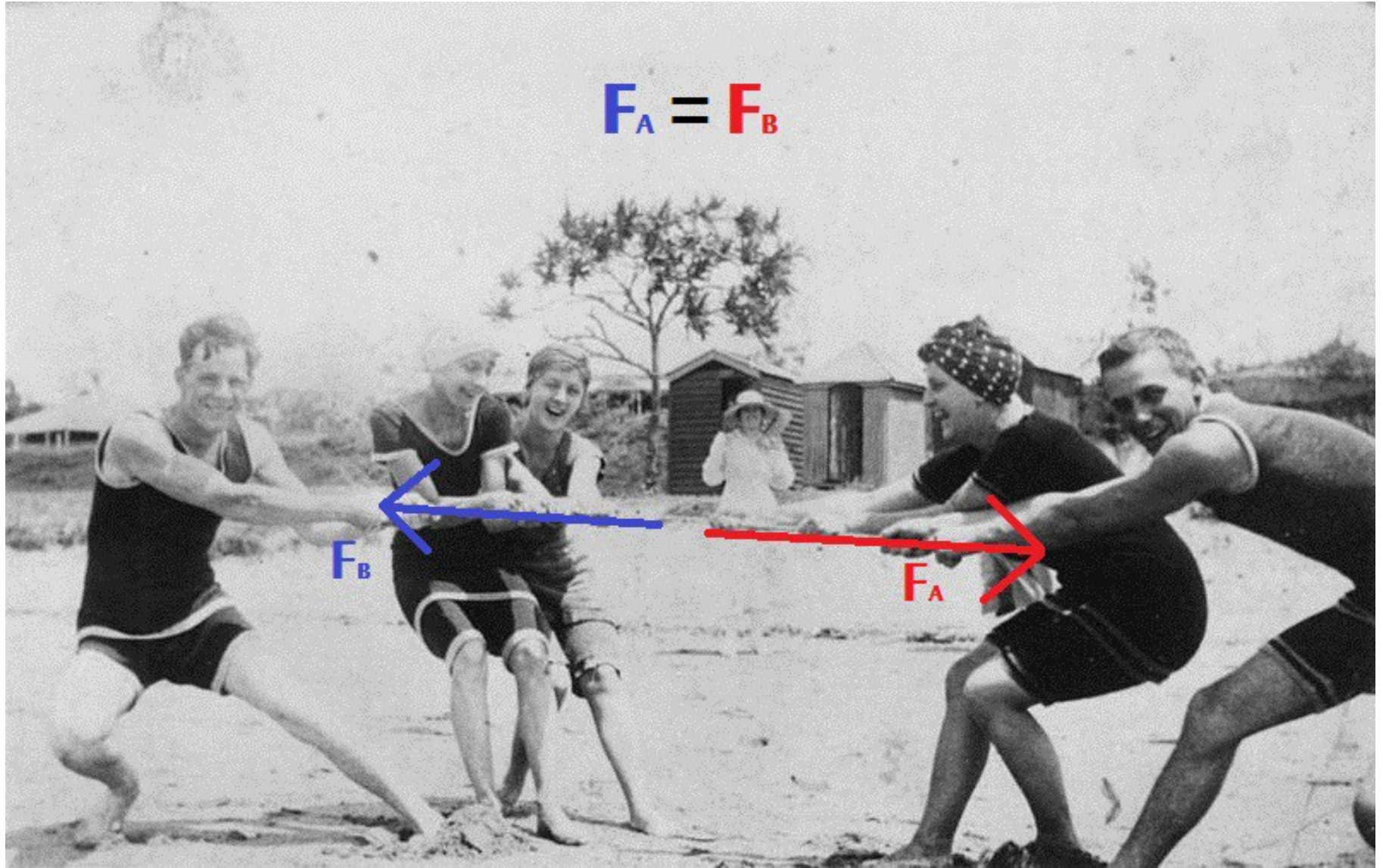
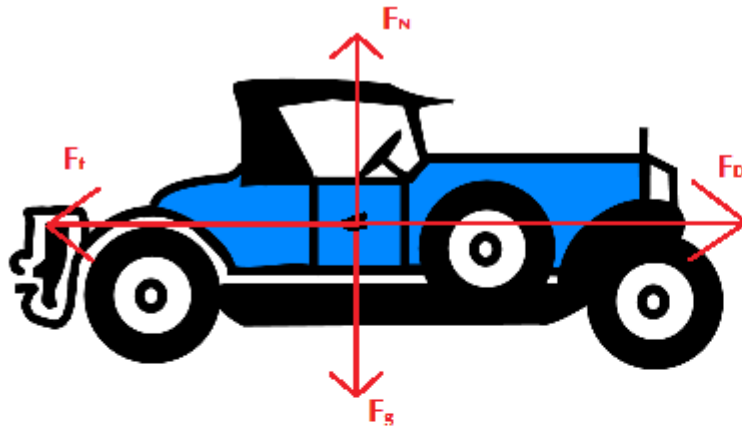


Balanced Forces

$$F_A = F_B$$



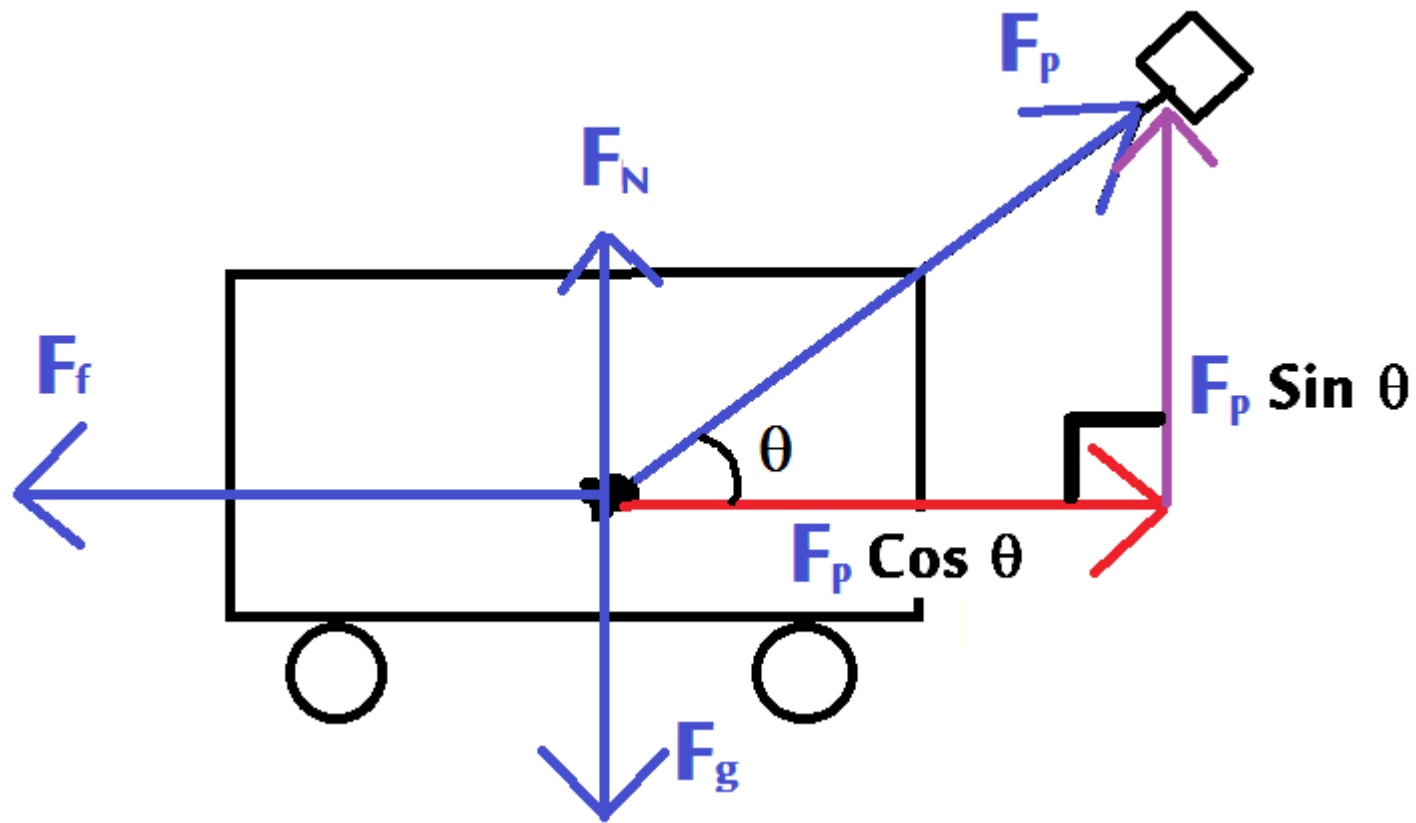


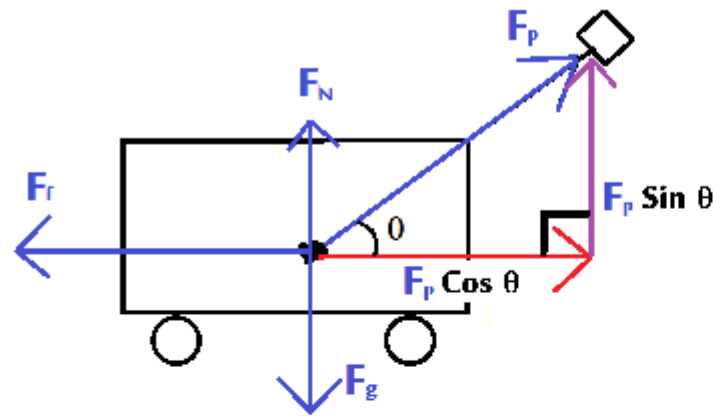
$$F_{\text{up}} = F_{\text{down}}$$

$$F_N = mg$$

$$F_{\text{left}} = F_{\text{right}}$$

$$F_d = F_f$$



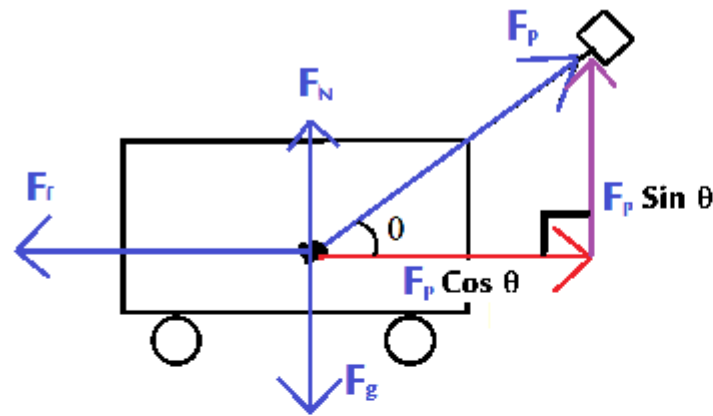


X-Direction:

$$F_f = F_p \cos \theta$$

Y-Direction:

$$F_g = F_N + F_p \sin \theta$$

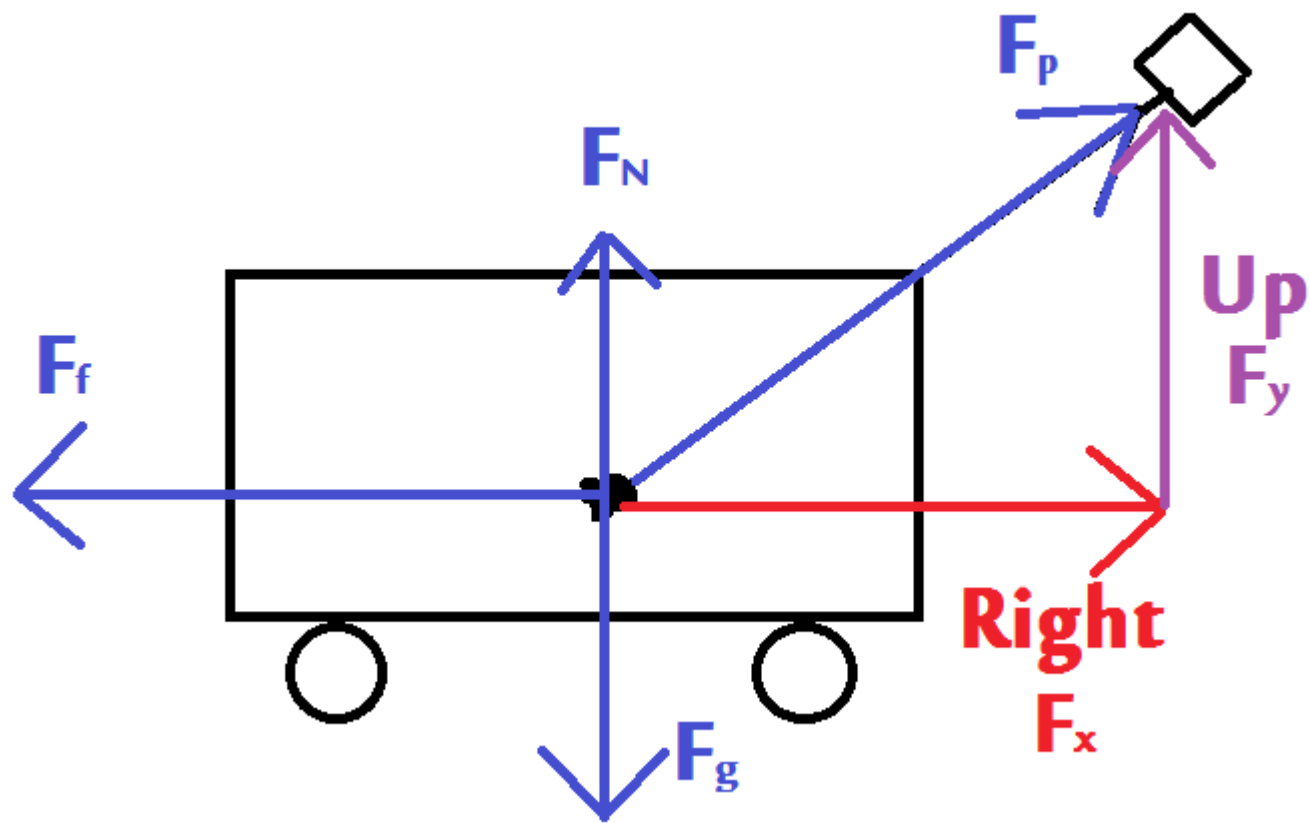


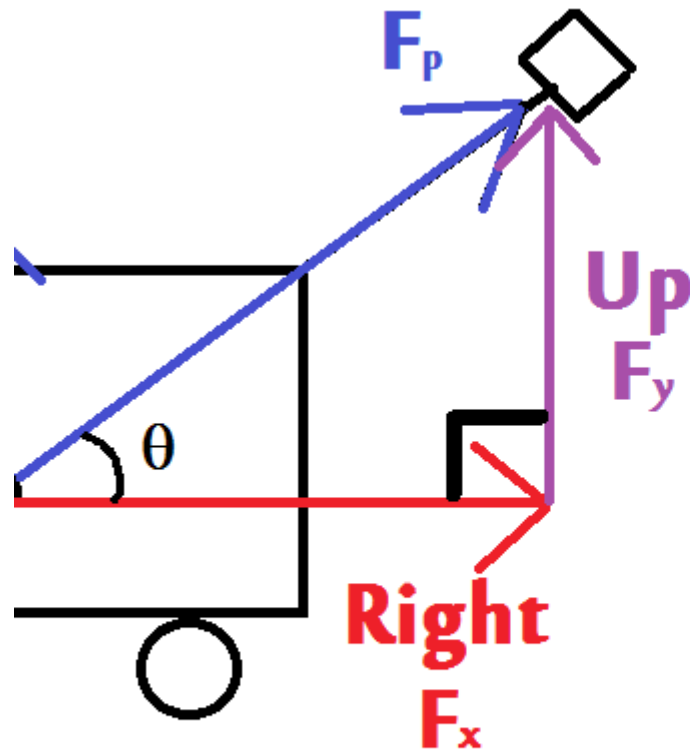
X-Direction:

$$F_f = F_p \cos \theta$$

Y-Direction:

$$mg = F_N + F_p \sin \theta$$



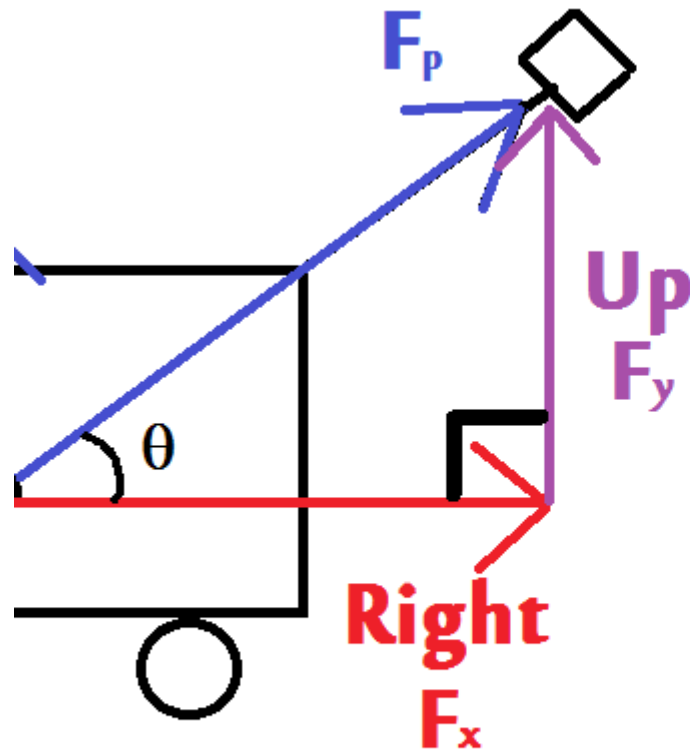


SOHCAHTOA

$$\text{Cos } \theta = \frac{\text{Adj}}{\text{Hyp}}$$

$$\text{Cos } \theta = \frac{F_x}{F_p}$$

$$F_x = F_p \text{ Cos } \theta$$

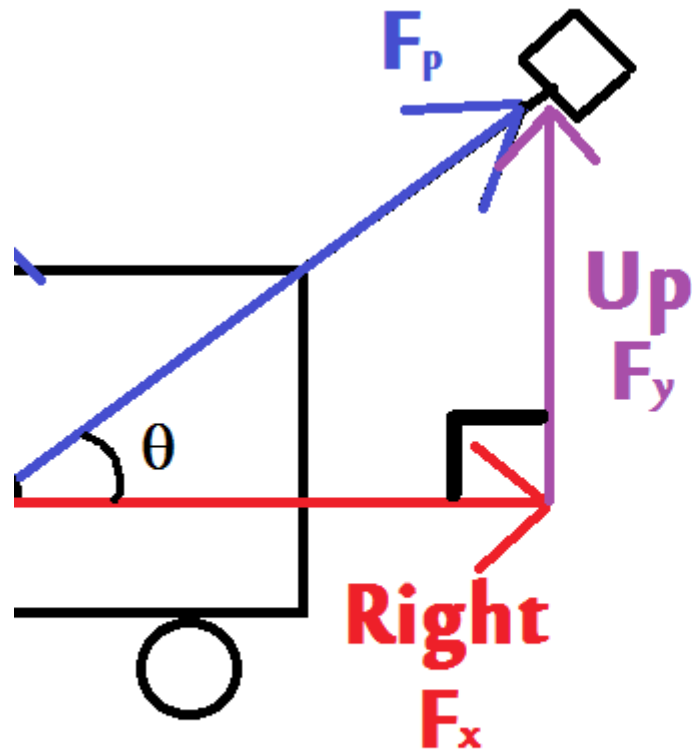


SOHCAHTOA

$$\text{Cos } \theta = \frac{\text{Adj}}{\text{Hyp}}$$

$$\text{Cos } \theta = \frac{F_x}{F_p}$$

$$F_x = F_p \text{ Cos } \theta$$

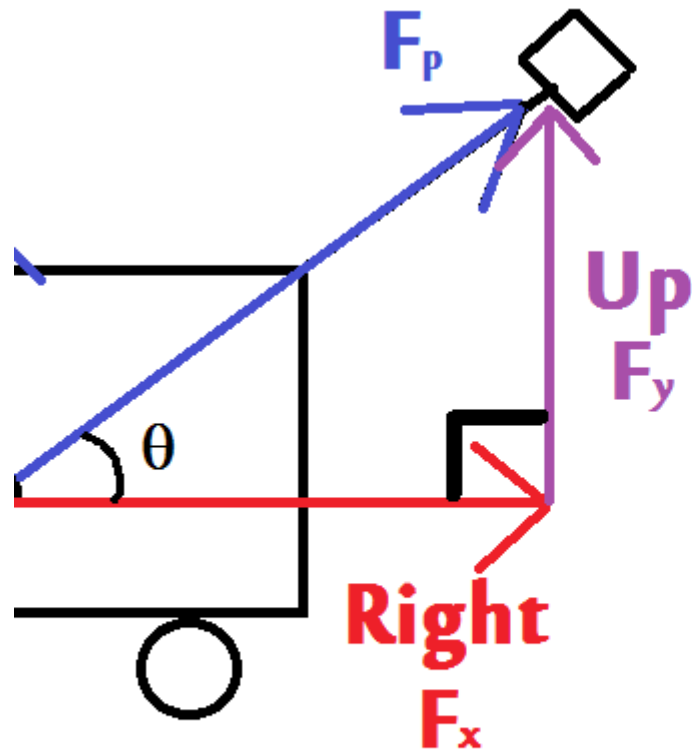


SOHCAHTOA

$$\sin \theta = \frac{\text{Opp}}{\text{Hyp}}$$

$$\sin \theta = \frac{F_y}{F_p}$$

$$F_y = F_p \sin \theta$$

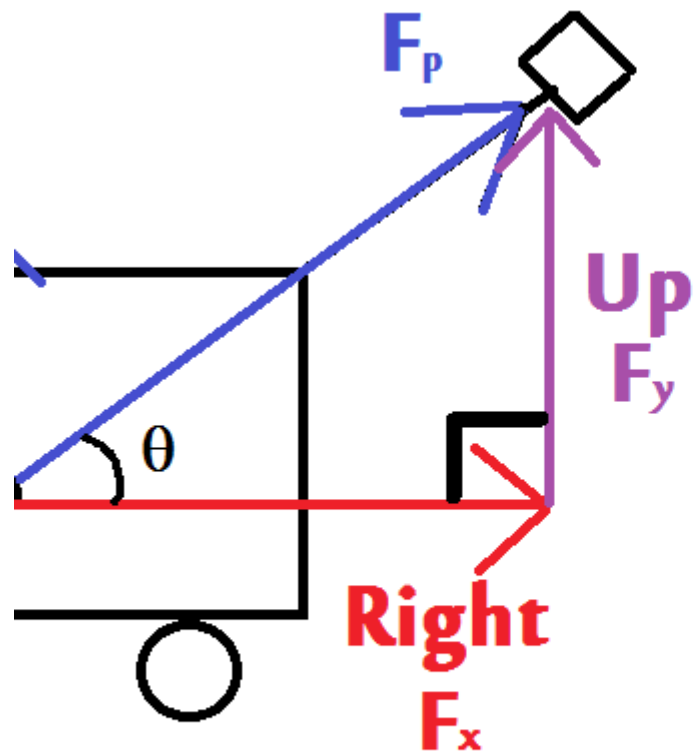


SOHCAHTOA

$$\sin \theta = \frac{\text{Opp}}{\text{Hyp}}$$

$$\sin \theta = \frac{F_y}{F_p}$$

$$F_y = F_p \sin \theta$$



$$F_y = F_p \sin \theta$$

$$F_x = F_p \cos \theta$$

