

$$2. \Sigma F = 13 \text{ N left.}$$

accelerates LEFT

$$m = ? \quad F_g = 15 \text{ N} \quad m = \frac{F_g}{g} = \frac{15}{9.8}$$

$$m = 1.53 \text{ kg}$$

$$a = ? \quad a = \frac{F_{\text{net}}}{m}$$

$$= \frac{13 \text{ N}}{1.53}$$

$$= 8.5 \text{ m/s}^2 \text{ left}$$