

$$F = 150\text{ N} \quad \text{Parallel}$$

$$d = 15\text{ m}$$

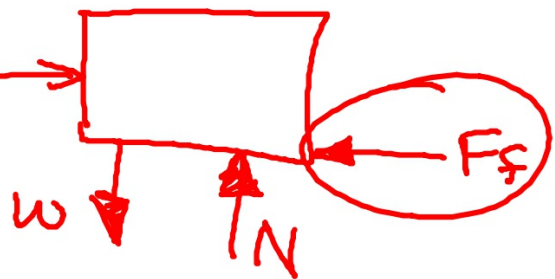
$$\text{WORK} = F_{\parallel} d$$

$$= (150\text{ N})(15\text{ m})$$

$$\text{WORK} = 2250\text{ J}$$

$$W = 500\text{ N}$$

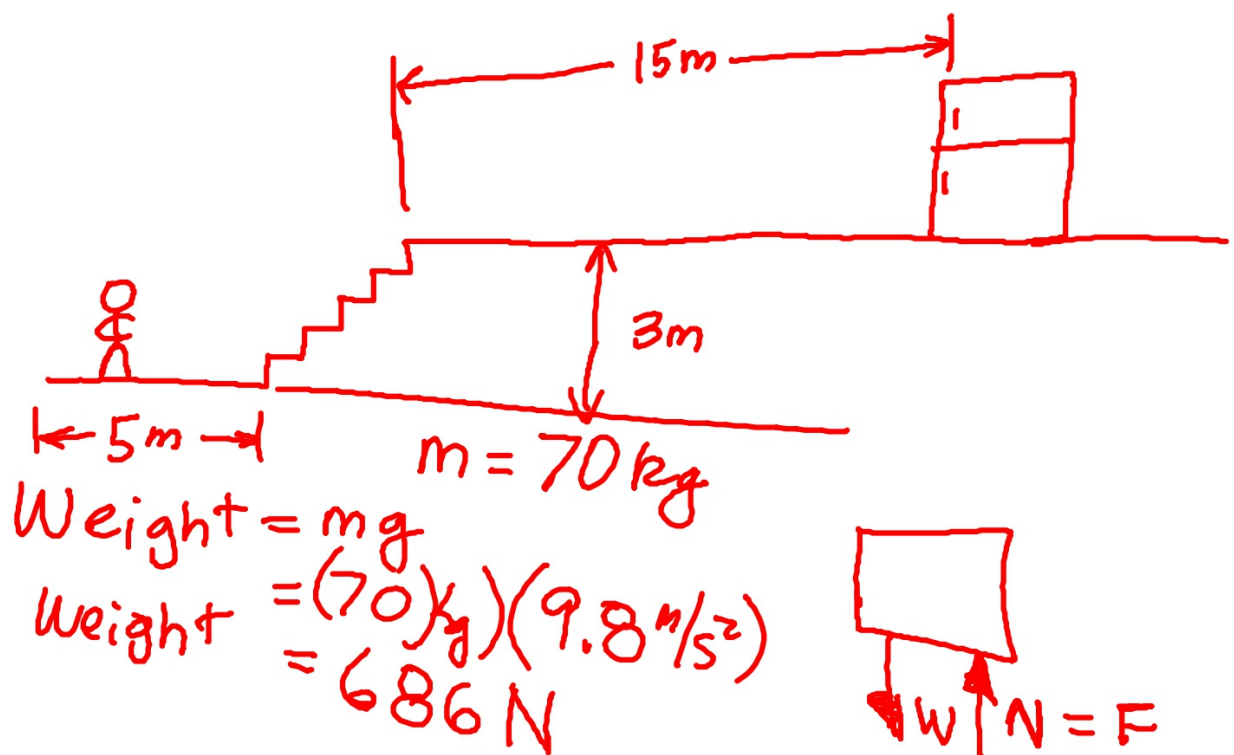
$$N = W = 500\text{ N}$$



$$F_f = 4\text{ N}$$

$$F_f = .3(500\text{ N})$$

$$F_f = 150\text{ N} = F$$



$$\text{WORK} = F_{\parallel} d \quad / \quad F = 686 \text{ N } \uparrow$$

$$= (686 \text{ N})(3 \text{ m}) \quad d_v = 3 \text{ m } \uparrow$$

$$\text{WORK} = 2058 \text{ J} \quad d_H = (5 + 15 \text{ m}) = \cancel{20} \text{ m}$$

$$\Delta t = 2 \text{ s}$$

$$P = ? = \frac{\text{WORK}}{\Delta t} = \frac{2058 \text{ J}}{2 \text{ s}} = 1029 \text{ W}$$

