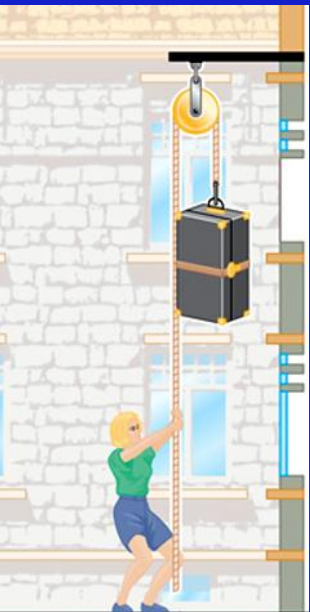


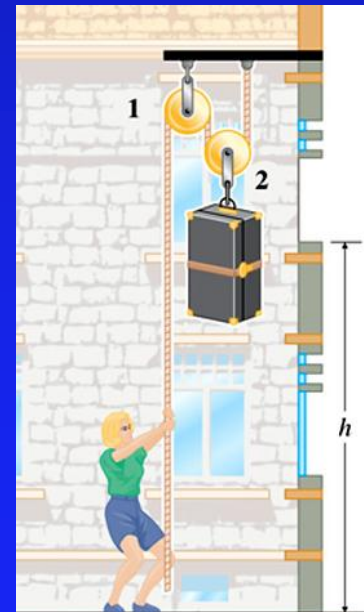
Work: Energy Transfer due to Force

- Force to lift trunk at constant speed
 - Case a $T_a - mg = 0$ $T = mg$
 - Case b $2T_b - mg = 0$ or $T = \frac{1}{2} mg$
- But in case b, trunk only moves $\frac{1}{2}$ distance you pull rope.



(a)

- $F \cdot \text{distance}$ is same in both!



(b)