



## Work & Power

1. Atlas

$$W = F \cdot d$$

$$\boxed{4000 \text{ J}} = 2000 \text{ N} \cdot 2 \text{ m}$$

2.  $P = \frac{W}{t}$

$$\boxed{4000 \text{ W}} = \frac{4000 \text{ J}}{1 \text{ sec}}$$

2. Hercules

$$W = F \cdot d$$

$$\boxed{4000 \text{ J}} = 4000 \text{ N} \cdot 1 \text{ m}$$

$$P = \frac{W}{t}$$

$$\frac{4000 \text{ J}}{3 \text{ sec}} = \boxed{1333 \text{ W}}$$