

If you exert 100lb of force at A what is the output at B?

$$F_e \times d_e = F_r \times d_r$$

$$800 \times 2.365 = ? \times 4.245$$

$$1892 = ? \times 4.245$$

$$1892 / 4.245 = 445.7$$

$$\text{Mechanical Advantage} = F_r / F_e$$

$$44.57 / 800 = .557$$

$$55.7\% \text{ of } 8 = 4.456$$

$$B = 445.7 \text{ Lbs}$$

F_r

