

$$[200\text{N}][.25\text{m}] = (50\text{N}\cdot\text{m of TORQUE})$$

$$\tau = \text{turn}$$

$$\sum \text{cw } \tau_i = \sum \text{ccw } \tau_i$$

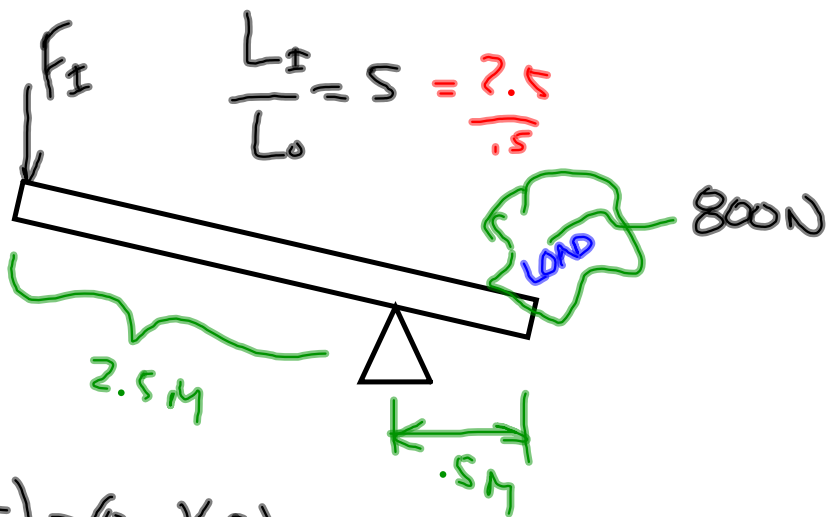
$$M.A. = \frac{F_o}{F_i}$$

$$= \frac{800}{160}$$

$$= [5]$$

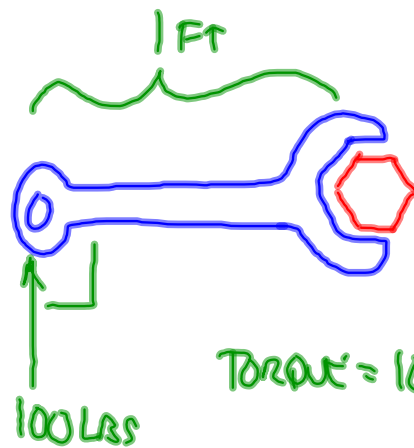
$$F_i (2.5) = (800)(.5) = 160N$$

$$F_i L_i = F_o L_o$$



TORQUE  $\rightarrow \int_{tan}$

$$\sum \int_{cw} = \sum \int_{ccw}$$



$$TORQUE = 100(ft)(lbs)$$

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11. +1.88 points Notes

You drop an object from a second-floor window.

(a) Describe the speed of the object after 4 second(s).  
 m/s

(b) Describe the speed of the object after 6 seconds.  
 m/s

$V_f = v_i + at$

$-9.81 \frac{m}{s^2}$

g

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12. +1.88 points Notes

A heavy block of lead is placed on a table. The block of lead has a weight, or a force, of 500 newtons. Explain why it doesn't fall through the table.

The block of lead is hollow

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