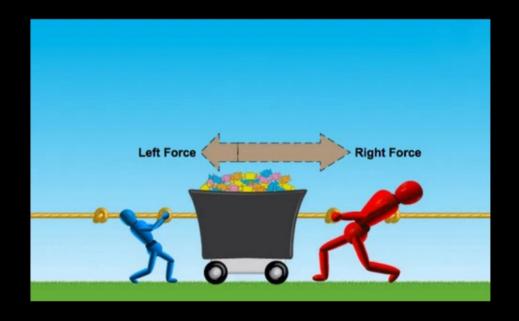
5.13.20

Newton's Laws: Wrap Up

- Today's Objectives:
- Recap Newton's Laws
- Calculate net force
- Use Newton's 2nd Law to calculate acceleration



## Newton's Laws - Recap

2nd (Acceleration)

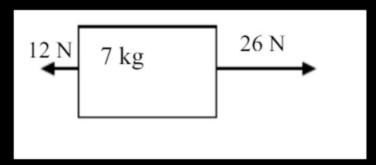
Acceleration)

$$\alpha = \frac{\xi F + Net}{m} + Force$$

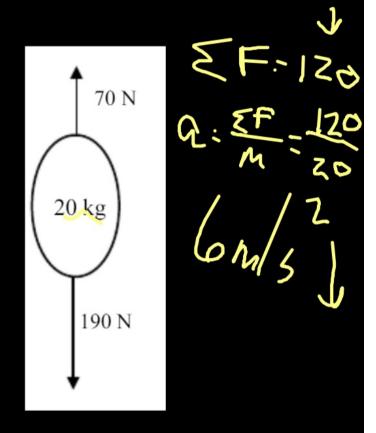
Mass

3rd (Reaction) Action Force = Reaction Force

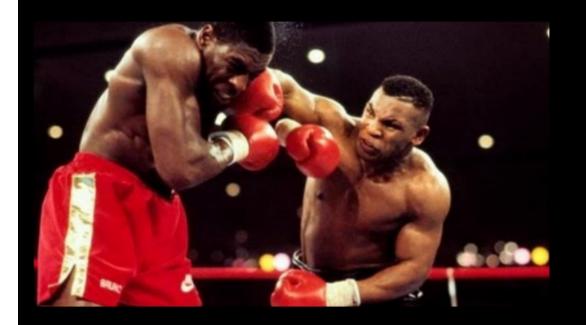
- 1. Net Force How out of balance are the forces?? ₹ F
- 2. Acceleration = Net Force / Mass



26 -12 ΣF=14N-3/ α: εF/ω: 14/7=2m/s<sup>2</sup>-3



Mike Tyson applies to force of 1,000N to this guy's face (ouch). According to Newton's 3rd Law, how hard does his face push back into Mike's hand?



A) more than 1,000 N



C) less than 1,000 N

D) 0 N