The Hammer!

You want to balance a hammer on the tip of your finger, which way is easier

38% A) Head up

58% B) Head down

4% C) Same

 $\tau = I \alpha$

Key idea: higher angular



m g R sinable elementation means more Torque difficult to balance. Angular acceleration increases increases with R $as R^2$ So large R is easier

 $g \sin(\theta) W = a^{\alpha} \sin(\theta) \sin(\theta) \sin(\theta)$