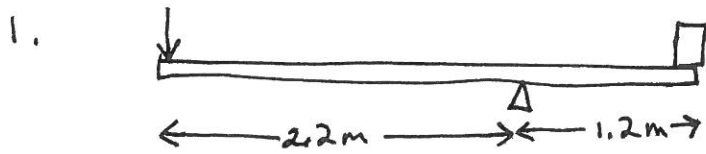


Name _____ Per _____ Date _____

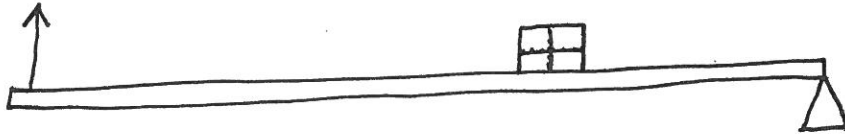
Progressive Worksheet For Machines (show work)



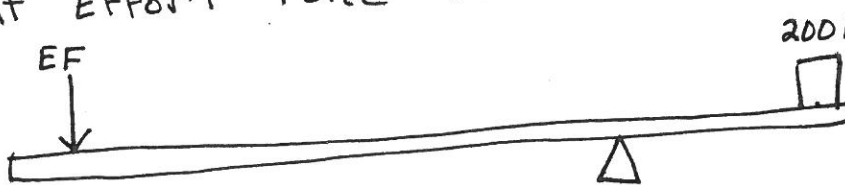
IMA = _____

2. using your ruler, find the IMA

IMA = _____



3. what Effort Force is needed for the following lever?



EF = _____ N

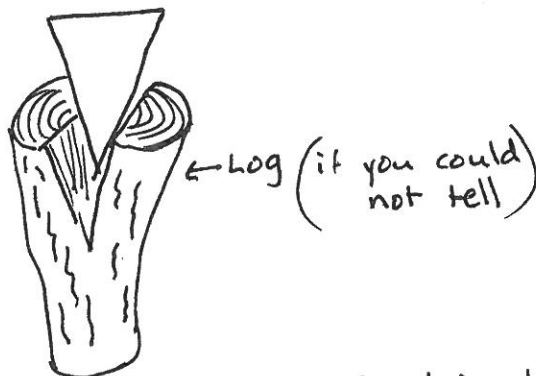
4. what is the IMA of the ~~inclined~~ inclined plane? (use your ruler)



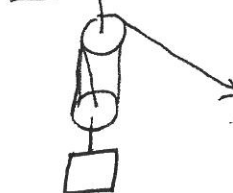
IMA = _____

5. what is the IMA of the wedge?

IMA = _____

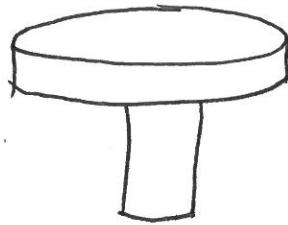


6. what is the IMA of this ~~block and Tackle~~ block and Tackle? IMA = _____



7. What is the equation for IMA of a wheel and axle?

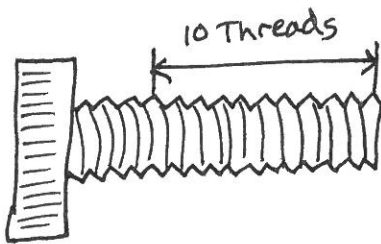
8. Find IMA of the wheel and axle. IMA = _____



(The wheel Turns)
the axle

9. What is the difference between IMA and RMA? (write a sentence or two)

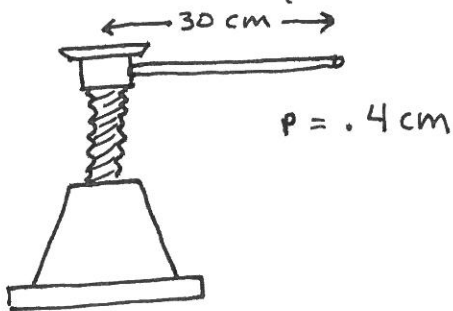
10.



What is the IMA of this Thumb screw?
(use your ruler)

IMA = _____

11. If the screw jack shown must lift 2000 N, what Effort Force is required to lift the load? (assume there is no friction)



Effort Force = _____ N

12. What is the Real Mechanical advantage of the Pulley if you have an effort Force of 80 N to lift a 200 N weight that has a mass of 20.41 Kg. It is a 4 purchase pulley but it could use a little o.i.t., what is IMA?

RMA = _____

IMA = _____

