

Cycle 22 Work & Energy

1 Calculating Work

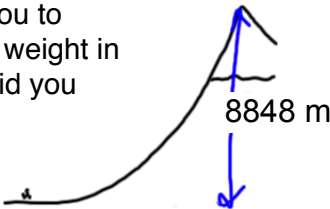


1. A person uses an average force of 30 N to pull a slingshot back 0.5 m. How much work was done on the slingshot? What kind of energy did he give it?



2. The lacrosse player uses an average of 60 N of force over the course of 0.8 m to throw the ball. How much work was done on the ball? What kind of energy did she give it?

3. Calculate how much work it would take for you to climb Mount Everest. (Your mass in kg is your weight in pounds divided by 2.2.) What kind of energy did you give yourself?



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1 Calculating Work



1. A person uses an average force of 40 N to pull a slingshot back 0.4 m. How much work was done on the slingshot. What kind of energy did he give it?



2. The lacrosse player uses an average of 80 N of force over the course of 0.7 m to throw the ball. How much work was done on the ball? What kind of energy did she give it?

3. Calculate how much work it would take for you to climb Mount Everest. (Your mass in kg is your weight in pounds divided by 2.2.) What kind of energy did you give yourself?

