

Name: \_\_\_\_\_

Period: \_\_\_\_\_

Date: \_\_\_\_\_

Watch the video link below and complete the worksheet.

<https://www.loom.com/share/dbaf598f05354a79a7a9b9fdae05290b>

Once worksheet is complete watch the video link below

<https://www.loom.com/share/3f8e5f358fc243618af4ea0e3767275f>

- 1) Amy uses 20N of force to push a lawn mower 10 meters. How much work does she do?
  
- 2) How much work does an elephant do while moving a circus wagon 20 meters with a pulling force of 200N?
  
- 3) A 900N mountain climber scales a 100m cliff. How much work is done by the mountain climber?
  
- 4) Shawn uses 45N of force to stop the cart 1 meter from running his foot over. How much work does he do?
  
- 5) How much work is done when a force of 33N pulls a wagon 13 meters?
  
- 6) How much work is required to pull a sled 5 meters if you use 60N of force?
  
- 7) Tommy does 15 Joules of work to push the pencil over 1 meter. How much force did he use?
  
- 8) Angela uses a force of 25 Newtons to lift her grocery bag while doing 50 Joules of work. How far did she lift the grocery bags?
  
- 9) The baseball player does 1234 Joules of work when hitting a baseball into left field. Assuming the baseball landed 100 meters away from home plate, how much force did the player use to hit the ball?