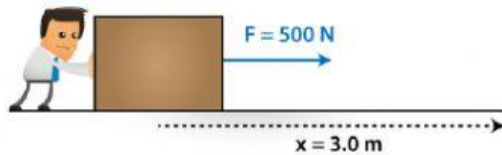


7.1 WORK, ENERGY AND POWER

1. WORK = _____ x Distance
2. Calculate the work done to push the box to the distance of 3.0 m. The force used is 500 N.



3. Energy is the ability to do the work.
4. The unit of work and energy is Joule.
5. POWER = The rate of doing work = Work / Time



Mike performed work of 5 Joule in 10 seconds. Joe did work of 3 Joule in 5 seconds. Who produced the greater power?

6. A cyclist is cycling uphill and burns 200 J of calorie in 120 seconds. Calculate the power of the cyclist.

