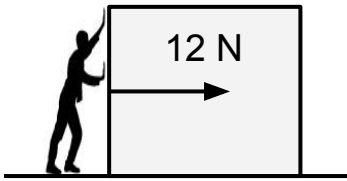


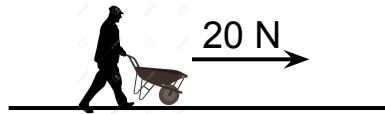
# WORK DONE BY A FORCE IS ENERGY TRANSFERRED

For questions 1 to 6 find work done on the object by the constant force, then do questions questions 7,8 and 9

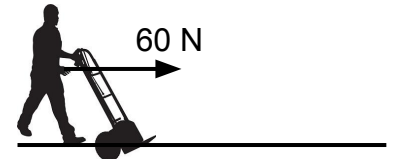
1. A box is pushed 6 m with a force of 12N



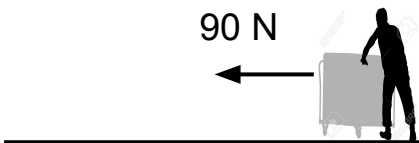
2. A wheelbarrow is pushed 20 m with a force of 20 N



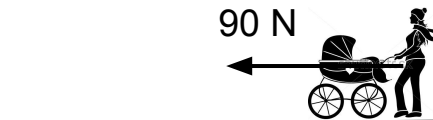
3. A loader is pushed 40 m with a force of 60 N.



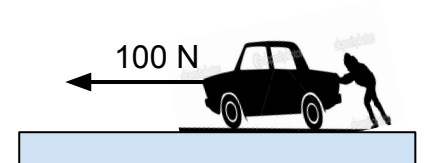
4. A piece of furniture is pushed 30 m with a force of 90 N



5. A pram is pushed with a force of 90 N a distance of 120 m.



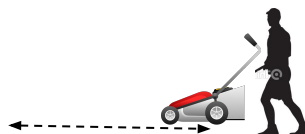
6. A car is pushed 20 m along a road with a force of 100 N



7. The work done on pushing a box 10 metres is 200 Joules. Find the size of the force.



8. A lawn mower is pushed with a force of 120 N. The work done on the lawn mower is 360 Joules. Find the distance it was pushed.



9. A worker transfers 500 Joules pushing containers 25 m. What is the size of the pushing force?

