

Work Sheet

PHYSICS

Name of the Student:-_____

Class :- 6 Sec _____ **Academic Year:-**_____

The effort arm of a lever is 3m long, the load arm is also 3m long. What is the effort needed to raise a load of 20N? What is the mechanical advantage of this lever?

One boy of weight 40N is sitting on one side of a sea – saw at a distance of 2m from the fulcrum. Find the distance on the other side of the fulcrum where another boy should sit to balance the sea – saw?

A boy wants to use a single fixed pulley to lift a load of 200N. The Mechanical Advantage of the pulley is equal to '1'. Find the effort the boy needs to apply.