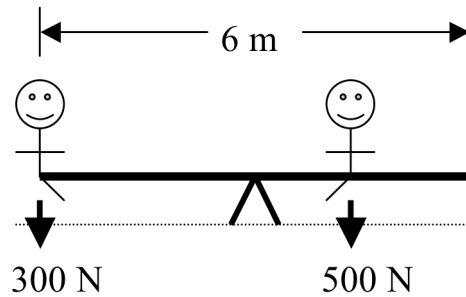


### Torque Worksheet

1. a. Calculate the torque produced by a 75-N perpendicular force at the end of a 0.2-m long wrench.
  
- b. Calculate the torque produced by the same 75-N force when a pipe extends the length of the wrench to 0.5 m.

2. Two children are sitting on a see-saw, as shown. Calculate the distance the 500-N child should sit from the fulcrum (pivot) to balance the see-saw.



3. Suppose that a meterstick is supported at the center, and a 20-N block is hung at the 80-cm mark. Another block of unknown weight just balances the system when it is hung at the 10-cm mark. What is the weight of the second block?

