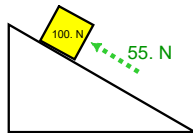
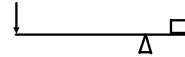


A ramp is 6.0 m long and 2.5 m high. A 55. N force is needed to push a 100. N box up the ramp. What is the AMA, IMA, W_o , W_i , and efficiency of the ramp?



A first class lever has a 120 kg (118 N) mass at one end and a 40 N force applied to the other end. If the 12.0 kg mass goes up .500 m, and d_e is 1.60 m, what is the machine's W_i , W_o , AMA, IMA, and Eff.?



W_i
 W_o
 AMA
 IMA

A ramp is 1.30 m high and 3.60 m long. The effort force is 96.0 N and moves a 24.0 kg mass up the ramp. What is the machine's W_i , W_o , AMA, IMA, and Eff.?

