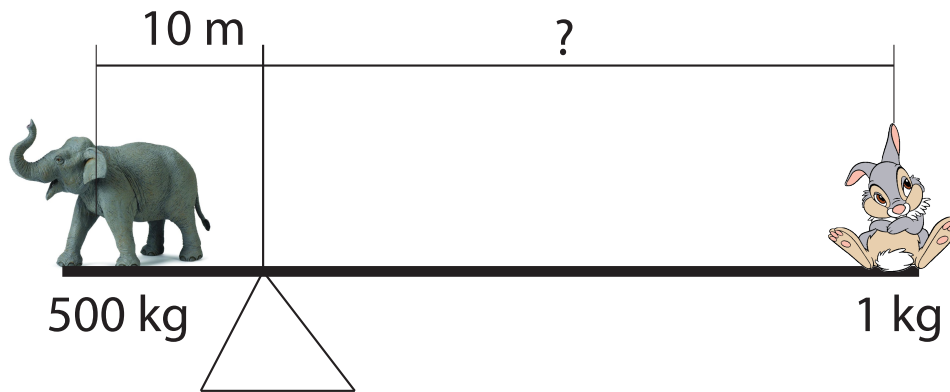


Jan 7, 2018

We measured locations of the object involved in a complex motion (rotation plus linear translation)
Discussed movement points on a wheel, angular speed, and its relation to the linear speed
We discussed the relativity of the inertial systems, reference frames (coordinate systems)
Pulleys, levers, lever arm, torque.

Problem 1:



Find the length of the lever's arm to balance the elephant and the rabbit

Challenge Problem 2:

How to find the weight of the wooden ruler using a single quarter coin? Hint: the coin weigh is 5.7 g. Try to measure at home. We will discuss it in the next class. This is a difficult problem. Try to solve it but do not worry if you will not. We solve it the next class.

