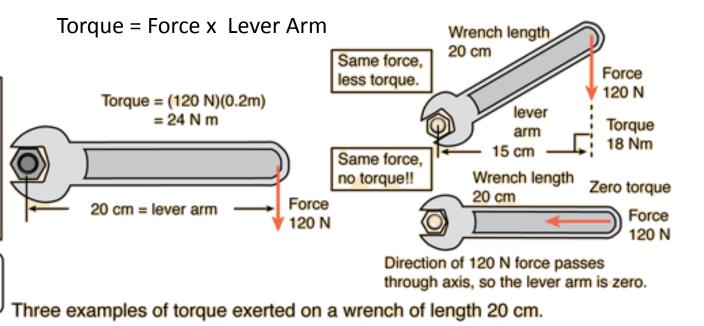


Condition of mechanical equilibrium:

- Sum of all **forces** acting on an object is zero.
- Sum of all torques acting on an object is zero.

What is torque?



Hometorque

Problem 1 Estimate, how much torque you apply to a faucet to shut down the water in your bathroom.

Problem 2 In the picture below, the horse weights 150 kg. Use the picture to estimate the minimum mass of the load on the cart. Show all the forces, and do appropriate calculation.

