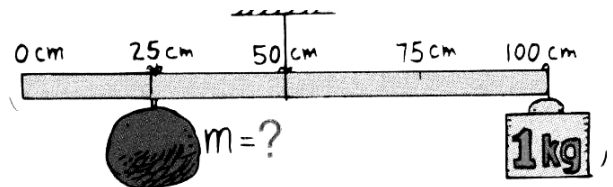


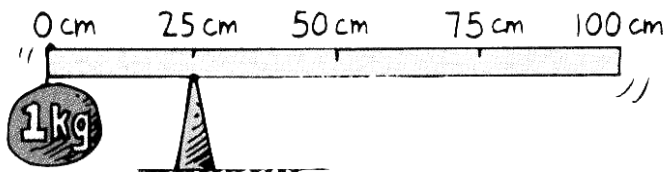
Torque Problems:

1. Calculate the torque produced by a 50-N perpendicular force at the end of a 0.2 meter-long wrench.

2. What is the mass of the rock?



3. What is the mass of the meter stick?



4. The radius of the Wheel of Fortune is 1.20 m. The operator applies a force of 45.0 N tangentially to get it spinning. What torque has she applied?

5. A torque of 30.0 Nm is required to turn the steering wheel of a car. If the radius of the wheel is 26.0 cm, how much force is needed?

6. A seesaw is 4.00 m long and is pivoted at its center. George weighs 452 N and is sitting at the left end; his sister Alice, weighing 371 N, is 1.00 m in front of him. Where must their 720.-N dad sit to balance the seesaw? (**draw a graphic!**)