## 21.5: Analysis

1. Draw a table in which to record calculated Torque for each of your systems. Add the objects listed in your ***Balancing Torque Data*** table, to the table below

Table 21.5.1: Calculated Torque Data

| Object/System | Known Mass Torque (Joules) | Object Torque (Joules) |
|---|---|---|
| | | |
| | | |
| | | |
| Off Center | | |

2. Calculate the torque on the side of the known mass (slotted masses) for each system. Determine what the torque on the other side is for each object/system. Record these values.
3. Use the information in your data tables to ascertain whether there is a correlation between mass and torque. Record your answer and use the information you have collected to support your answer.
4. Explain why so much mass is needed on the short side of the off center system to balance the meter stick, even though the long side has no added mass.

### Contributors and Attributions

- Template:ContribCCPhySc101L