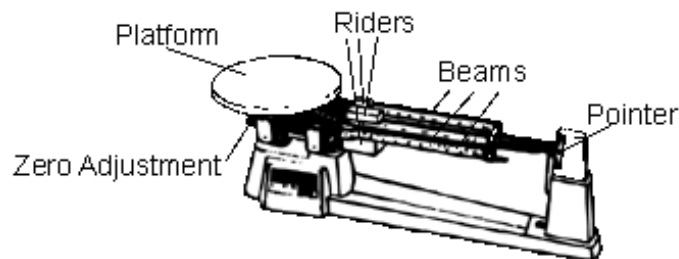


Measuring MASS

1. With nothing on the platform, adjust all RIDERS so that each is at zero (the far left). Then check to make sure that the pointer swings to zero on the center mark. If the pointer is not even with the 0, then use the "ZERO ADJUSTMENT" to "zero it out" (make it even with the 0). *To do this make sure all of the movable weights are at their zero positions and then adjust. Turning the knob clockwise lowers the beam on the opposite end. Turning the knob counterclockwise raises the beam on the opposite end.*
2. After you place the object onto platform, first move the largest (the hundreds) rider across the beam until the pointer drops below the 0 line. Then move this rider back one notch. The rider must be in one of the notches on the beam. Follow this same procedure for the tens rider, then the ones rider, until the pointer swings to the zero mark.
3. To record the mass, add the masses shown by each rider. (Note: masses are in grams)



WHAT TO DO:

There are 5 different objects at this station.

1. Pick up one of the objects (it doesn't matter which one). Write the name of the object on your answer sheet.
2. **Estimate** the mass of the object.
3. Record this estimation in on your answer sheet.
4. List the objects on order from lightest to heaviest based on your estimations.
5. Find the actual mass of the object.
6. Record the actual mass on your answer sheet.
7. Repeat each step with each object.
8. Sequence the objects from lightest to heaviest based upon the actual mass.