MASS LAB

NAME:_____

PROCEDURE

1. Share a triple beam balance with your partner or group.
2. Properly carry the balance to the area you want to work by placing one hand under the balance and the other hand on arm.
3. Make sure the TBB is on a level surface.
4. Check to see that the Pointer is pointing at zero. If it is not, zero the TBB.
   - Check to see that all the Riders are all the way to the left at the Zero mark.
   - Adjust the balance by turning the Adjustment Knob slowly until it points to zero.
5. Choose an object from the counter and place it onto the pan. Record object in table.
6. Move the largest rider along the beam to the right until it is at the last notch that does not tip the balance. Record the 100s in the table.
7. Repeat step #6 using the next largest rider. Record the 10s in the table.
8. Repeat step #6 using the smallest rider until the pointer rests at 0. Measure ones to the nearest **0.1** of a gram and record in the table.
9. Add the readings from the three beams together to get your mass measurement. Record the total mass in the table.
10. **Remember to label all of your numbers!**

Object	Grams			
	Hundreds	Tens	Ones	Mass

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