## ACTIVITY 1: HOW TO READ A TRIPLE BEAM BALANCE

* We use a balance to measure mass.
* Mass is the amount of matter in an object.


Study below how to read a triple beam balance.


Step 4:
Add the 3
numbers
together.
300.0
70.0
$\begin{array}{r}+\quad 3.8 \\ \hline 373.8\end{array}$

Total: 373.8 grams

Solve this one on your own!


## Step 4:

Add the 3
numbers
together.

Total: $\qquad$ grams

## ACTIVITY 2: USING THE REAL TRIPLE BEAM BALANCE

1. Take out the triple beam balance and place it on a level surface.
2. Check to see that the balance is level. The 100 's, 10 's, and 1 's riders should all be at 0 .
3. Place one pencil onto the pan of the triple beam.
4. Move the biggest 100 's rider along its beam one notch at a time until the pointer drops.
5. Move the rider back one notch.
6. Repeat steps 4 and 5 with the 10 's rider.
7. Repeat steps 4 and 5 with the 1 's rider.
8. Add up the masses like you did in Activity 1.
9. Write down the mass of the pencil in the data table below.
10. Repeat the same procedure for the other objects listed in the data table.

| Object | Mass <br> (in grams) |
| :---: | :---: |
| Pencil |  |
| Book |  |
| Rock |  |
| Marker |  |
| You pick an object. |  |
| Write it here: |  |

Answer to triple beam question on previous page:

