

Metric Mania



Lesson 2: Mass

T. Trimpe 2008 <http://sciencespot.net/>

MCHUMOR.com by T. McCracken



“You measured using the English system
in and I measured using the metric system.”

English vs. Metric Units



1 pound = 453.6 grams

Which is larger?

1. 1 Pound or 100 Grams
2. 1 Kilogram or 1 Pound
3. 1 Ounce or 1000 Milligrams



1 ounce of gold =
28,349.5 milligrams



100 kilogram =
220 pounds

Mass

The standard unit of mass is _____

Mass is _____

Mass is measured using a _____



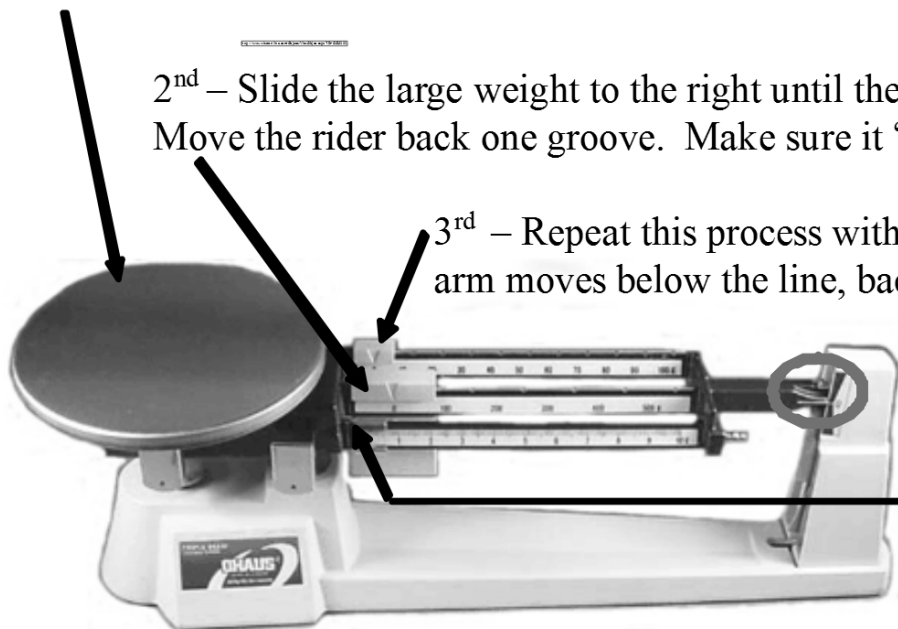
Measuring Mass – Triple-Beam Balance

1st – Place the object on the scale.

2nd – Slide the large weight to the right until the arm drops below the line. Move the rider back one groove. Make sure it “locks” into place.

3rd – Repeat this process with the top weight. When the arm moves below the line, back it up one groove.

4th – Slide the small weight on the front beam until the lines match up.



5th – Add the amounts on each beam to find the total mass to the nearest tenth of a gram.

Use your triple beam balance to mass the following objects...

1. Find the mass of a cup with 10 pennies. _____
2. Find the mass of a cup with 2 marbles. _____
3. Find the mass of a cup with 20 colored squares. _____
4. Find the mass of a cup with one scoop of sand. _____
5. Find the mass of a cup with 10 paper clips. _____