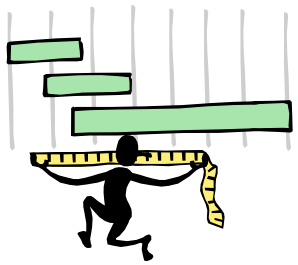
Metric System

Notes



Prefixes Matter!

Kilo = _____

Hecta = _____

Deca = _____

Deci = _____

Centi = _____

Milli = _____

Ms. Baker Science

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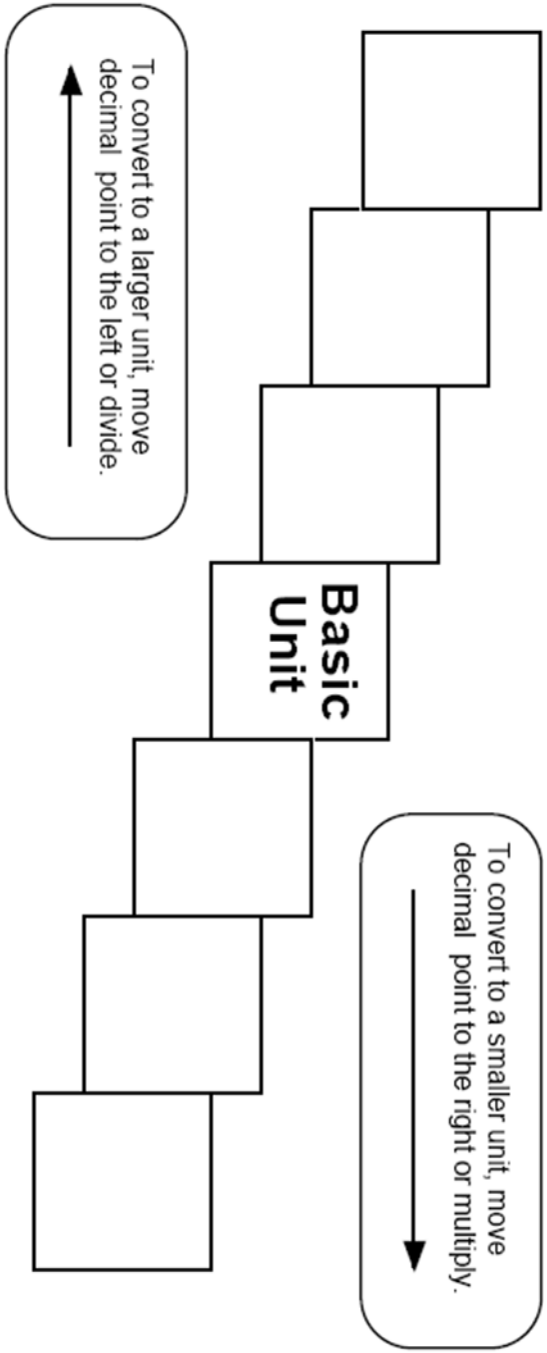
Glue this section into your notebook!

Metric Conversion



Length/Distance

Basic Unit = _____

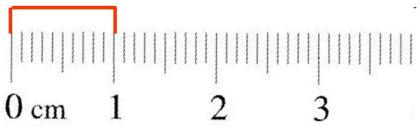
Abbreviation = _____

To measure length, we use a _____

Using a ruler...

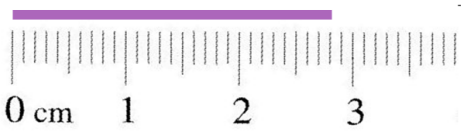
How many millimeters are in 1 centimeter?

1 centimeter = 10 millimeters



What is the length of the line in centimeters? _____cm

What is the length of the line in millimeters? _____mm



What is the length of the line to the nearest centimeter? _____cm

HINT: Round to the nearest centimeter – no decimals.

Mass

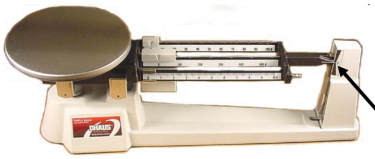
Mass is _____

Basic Unit = _____

Abbreviation = _____

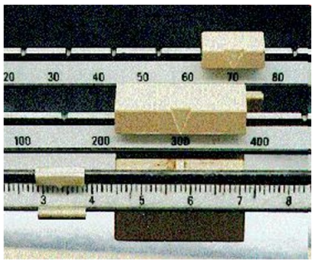
To measure mass, we use a _____

Using a Triple Beam Balance



We will be using **triple-beam balances** to find the mass of various objects.

The objects are placed on the scale and then you move the weights on the beams until you get the lines on the right-side of the scale to match up.



Once you have balanced the scale, you add up the amounts on each beam to find the total mass.

What would be the mass of the object measured in the picture?

_____ + _____ + _____ = _____ g

Volume

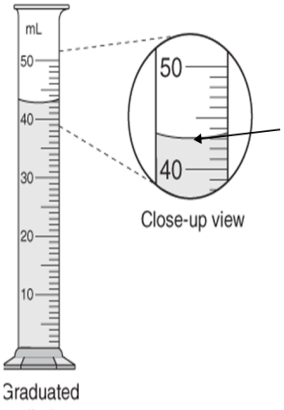
Volume is _____

Basic Unit = _____

Abbreviation = _____

To measure volume, we use a _____

Using a graduated cylinder



Read the measurement based on the bottom of the **meniscus** or curve. When using a real cylinder, make sure you are eye-level with the level of the water.

What is the volume of water in the cylinder? ____mL