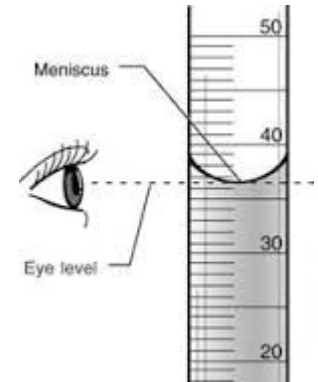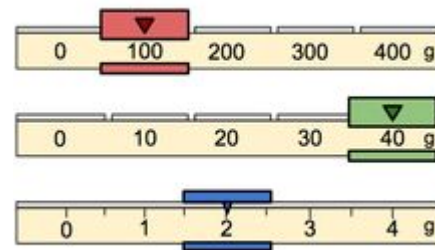# How to Read Liquid Volume

When reading liquid volume, you must read the graduated cylinder at eye level and read the bottom of the meniscus. The meniscus is the curve the liquid makes at the top where it meets the air. The bottom of the meniscus is the lowest part of the curve.

How to Use a Triple Beam Balance

To work a triple beam balance, begin by moving the heaviest weight.

When the scale tips, move it back one to the left. Then repeat with the remaining weights until it is even with the line. Add the numbers on the three beams together to get the total mass of the object.

Accuracy

Accuracy is how close a measured value is to the actual (true) value.

Precision

Precision is how close the measured values are to each other.

Examples of Precision and Accuracy:

Low
Accuracy
High
Precision

High
Accuracy
Low
Precision

High
Accuracy
High
Precision

So, if you are playing soccer and you always hit the left goal post instead of scoring, then you are not accurate, but you are precise!

How to Remember?
- aCcurate is Correct (a bullseye).
- pRecise is Repeating (hitting the same spot, but maybe not the correct spot)

Mini Metric Olympics
Be as Precise and Accurate as Possible!

Event Name	Estimate	Actual	Difference
Arm Span Measure your arm span in cm			
Left Handed Sponge Squeeze Squeeze the sponge with your left hand and guess the number of mL			
Right Handed Marble Grab Grab marbles with your right hand and guess the mass in grams			
Guess your Mass (Washers) Pick 20 washers and guess the mass in grams			
Bigfoot Contest Guess the length of your foot in cm			
Jump Rope Competition How many jumps can you do in 10 seconds?			
	Total Difference:		