

Question:	Answers:
What is the calibration of the metric ruler?	<i>Note: Be sure to include proper units!</i>
To what place will you record your measurements using the metric ruler?	
Measure and record the length, width, height of the wooden block.	<i>Note: Be sure to include proper units!</i> L = W = H =
Calculate the volume using your measurements above.	<i>Note: SHOW YOUR MATH SETUP and be sure to include proper units!</i>
What is the definition of precision?	
What is the definition of accuracy?	
How is accuracy measured?	
Using the triple beam balance, record the mass of the wooden block. Be sure to record your value to the correct decimal place!	<i>Note: Be sure to include proper units!</i>
Calculate the density of the wooden block. To what decimal place will you record your answer? What are units for density? <i>Note: SHOW YOUR MATH SETUP and be sure to include proper units!</i>	
What is the density of water?	<i>Note: Be sure to include proper units!</i>
Will your wooden block float in water or will it sink?	
In terms of density, what determines whether or not something will float or sink in water?	
Write down the density of your block (your teacher will give this to you).	
Using <u>YOUR</u> density measurements, calculate the % error. % Error = $\frac{ \text{"what you should have got"} - \text{"what you got"} }{\text{"what you should have got"}} \times 100$ <i>Note that the numerator in the equation above is the "absolute value"</i>	<i>Note: SHOW YOUR MATH SETUP and be sure to include proper units!</i>