01-01	Measurement Lab Name:
Objectives	
•	Use a ruler to measure in cm.
Time	
•	About 10 min
Materials	
•	Metric Ruler
•	3x5 Card
Backgr	round
The las	t digit on a measurement is always an estimate. When measuring using a ruler or meter stick, you can estimate between
the smallest marks.	
Analys	
1.	What unit are the smallest marks on the metric side of the ruler/meter stick?
2.	If you are measuring in cm, how many decimal places can you measure including the estimate between the smallest
	marks?
3.	If the smallest marks on the ruler were cm, then what unit would you be estimating?
4.	Measure the shortest side of a 3x5 card cm
5.	Measure the longest side of a 3x5 cardcm
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6.	Measure a diagonal of a 3x5 card cm
7.	Use the Pythagorean Theorem with the short and long sides to calculate the diagonal to the correct number of
	significant figures cm
8.	Calculate the percent error using %
	$\%error = rac{experimental-theoretical}{theoretical} \cdot 100\%$
	The percent error should be less than 5%.
	The percent error should be less than 5 /0.