

Name: _____ Lab TA: _____

Lab Day Mon Tue(am) Tue(pm) Wed Thu(am) Thur(pm) Fri

Grade
>95 >90 >85 >80 >70 <70

Report:

Prelaboratory Quiz Score:

Data Collection and Calculations:

I. Precision and Accuracy:

1. Density of Water at the laboratory temperature: _____

2.	Graduated Cylinder	Trial 1	Trial 2
a.	Desired volume of water	5.0 mL	5.0 mL
b.	Mass of Erlenmeyer Flask		
c.	Mass of Erlenmeyer + Water		
d.	Mass of Water		
e.	Density of Water		
	Discrepancy: (e-1)		
3.	Pipettor	Trial 1	Trial 2
a.	Desired volume of water	5.0 mL	5.0 mL
b.	Mass of Erlenmeyer Flask		
c.	Mass of Erlenmeyer + Water		
d.	Mass of Water		
e.	Density of Water		
	Discrepancy: (e-1)		
4.	Buret	Trial 1	Trial 2
	Final buret reading		
	Initial buret reading		
a.	Desired volume of water	5.0 mL	5.0 mL
b.	Mass of Erlenmeyer Flask		
c.	Mass of Erlenmeyer + Water		
d.	Mass of Water		
e.	Density of Water		
	Discrepancy: (e-1)		

5. Since the other experimental parameters are the same, the calculated density values reflect errors introduced in measuring the volume of water. Which measuring tool do you consider to be the most precise (consistent).

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6. Do you consider any of the above instruments to be both accurate and precise.

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II. The Unlabeled Soda Containers

Very Briefly outline how you tried to solve this problem?

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Data Table:

Container 1	Trial 1	Trial 2
Container 2		
Identity of Container 1		
Identity of Container 2		

Sample Calculation (if applicable)