

make up data

Density Lab!

Name: _____ p. _____ Seat # _____

Lab Partners' Names: _____

Part I: Quantitative Data for WATER	Trial One	Trial Two	Trial Three
Initial buret reading	0.4 mL	5.9 mL	11.0 mL
Final Buret Reading	5.9 mL	11.0 mL	21.1 mL
Volume of water delivered to beaker	5.5 mL	5.1 mL	10.1 mL
Mass of Beaker	103.14 g	103.39 g	103.39 g
Mass of Beaker and water	108.62 g	108.49 g	113.46 g
Mass of water delivered to beaker	5.48 g	5.10 g	10.07 g

Part I Calculations: Calculate the density for water for each trial, and then calculate the average density. Show the formula you will use for the calculations before you plug in numbers. Show units on every number you write. Show each answer before and after rounding for significant figures.

Part II: Quantitative Data for ETHANOL	Trial One	Trial Two	Trial Three
Initial buret reading	0.3 mL	7.0 mL	12.9 mL
Final Buret Reading	10.6 mL	12.9 mL	22.0 mL
Volume of ethanol delivered to beaker	10.3 mL	5.9 mL	9.1 mL
Mass of Beaker	103.62 g	103.40 g	103.47 g
Mass of Beaker and ethanol	111.76 g	108.12 g	110.72 g
Mass of ethanol delivered to beaker	8.24 g	4.72 g	7.25 g

Part II Calculations: (Same instructions as part I, except for Ethanol instead of water.)