

Name Khadija Burdu Section _____ Group _____ Date _____

Experimental data sheet 1 : Physical Measurements Lab

A. Mass Measurements

Sample	Filter paper (grams)	Quarter(grams)	50mL beaker(grams)
Before adding sample	0 g	1.045 g	1.045 g
After adding sample	1.045 g	6.534 g	31.860 g
Mass of sample			

B. Length Measurements

Lab Manual	Length in cm	Width in cm	Length in mm	Width in mm
	27.75 cm	21.10 cm	277.5 mm	211 mm
Area	585.53		58552.5 mm	
	Convert to square inches using 2 methods		A & B. Explain	
	230.52 inches		2305.22 inches	
Height	91 in		convert in m 2.3114 m	

C. Volume Measurements

Capacity of a large test tube	78ml		
Capacity of a crucible	54ml		
40 mL water in a beaker	volume 40mL	36.5ml	Percentage error

D. Temperature Measurements

Boiling water	98°C	
Iced water	(without salt) 1°C	(with 20g salt) - 6°C
Compare and explain Salt water depresses the freezing point so the water becomes colder.		

E. Density of Magnesium Metal

Volume of water without Mg	15.0ml
Volume of water with Mg	15.9ml
Volume of Mg	0.91ml
Mass of the Mg sample	3.075 g
Density of the Mg sample	0.337912g
Show Your Calculations here	