

Name:
Date:

Class:

Finding the Volume of a Penny Lab

Procedure:

1. Add water to the graduated cylinder, approximately 30 to 60 mL.
2. Record the volume of water (mL) in the graduated cylinder.
3. Choose a quantity of pennies (your choice) and carefully slide them into the graduated cylinder.
4. Record the new level of water (mL) in your data table.
5. Subtract the final mL from the starting mL to find the volume of the pennies.
6. Repeat for 9 more trials, vary the number of pennies for each trial.

Data Table: Volume in mL

	# of Pennies	Starting mL	Final mL	Volume mL
ex	## of pennies	40	57	17
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

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Analysis Questions - Answer the following in complete sentences.

1. Looking at your data, how can you calculate the volume of 1 penny? Explain how you arrived at your answer.
 - a.
2. What is the volume of one penny in mL?
 - a.
3. If you drop pennies into the graduated cylinder, and water splashes out of the cylinder, how will that affect your data? Explain.
 - a.
4. If you were to do this experiment again, what would you do differently?
 - a.

Conclusion - 3 -5 sentences about what you learned by doing this lab. *Do not use the following sentences or ones similar to it: "I had fun doing this lab" ... "I hope we get to do more labs like this" ... "I learned a lot of stuff."*