

Measuring Volume and Mass – Intro activity

Name: _____

Working with your partners - determine the mass and volume of a rock and dice

Materials:

- triple beam balance
- graduated cylinder
- beaker
- water
- ruler
- small rock (that can fit in the graduated cylinder)
- dice

Measurement	Rock	Dice
Mass		
Volume – measured with a ruler		
Volume – measured by water displacement		
For the dice which volume calculation is more precise? And why?		
Why can the mass of a rock only be found using water displacements not with a ruler?		

Compare to class data:

Names	Mass (g)	Volume (mL)	Names	Mass (g)	Volume (mL)
Average			Average		

Conclusion: Based on our class data, how close was your measurement to the average. What steps did you take or could take to ensure you are as accurate as possible when measuring for a lab?