

Volume of Compound and Irregular Shapes

1. Create a sketch of your glass.
(Subdivide the shape into familiar shapes and include measurements)

2. What formulas will you use and explain why?

3. Calculate the volume of your glass.

Sketch

All measurements should be in centimeters

Calculated Volume = _____ cm³

4. Determine the “Fill” volume of the glass using rice and a beaker.

“Fill” Volume = _____ milliliters

5. Compare the calculated volume to the “fill” volume. Explain your results in detail.

6. What adjustments should you make so that the calculated volume and “fill” volume are equal?

7. What is your adjusted volume?