



Solving with the Density Equation

Density in Real Life Applications

Volume of a solid – Measurement Technique

Solids with a defined shape can be measured using a ruler to find their volume through direct measurement of the solid and using the equation for the shape of the solid $V = \frac{4}{3}\pi r^3$ $V = \frac{1 \cdot w \cdot h}{2}$

Solving with the Density Equation Density in Real Life Applications Volume of a solid – Volume by Difference / Displacement **Displacement Method** Solids without a defined for Measuring Volume shape can have their 1. Add water to a measuring container such as a graduated cylinder. Record the volume of the volume measured using the difference between 2. Place the object in the water in the graduated cylinder. Measure the volume of the water with the the liquid before and after placing the object 3. Subtract the first volume from the in a graduated cylinder second volume. The difference represents the volume of the object

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