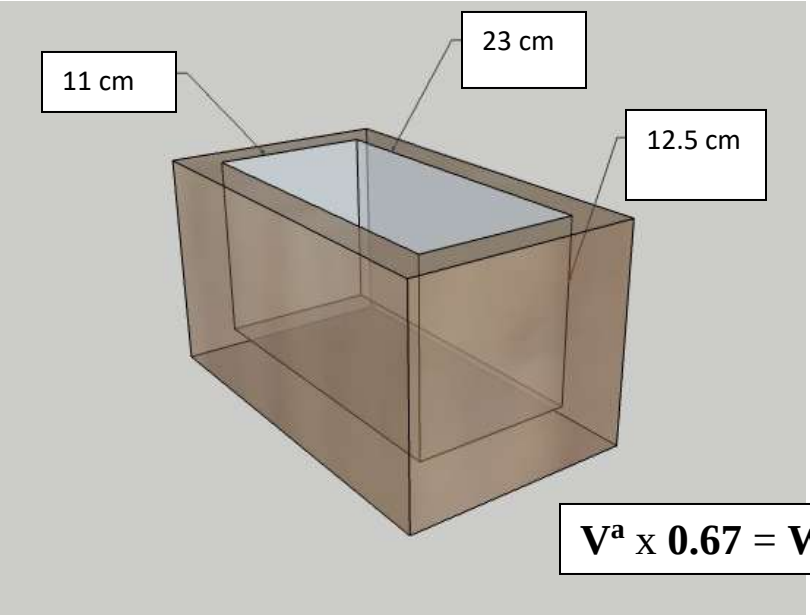
To Calculate Necessary Amount of Water for Plaster Molds



1. Determine the volume (**V**) of the empty space.

   11 cm x **23 cm** x **12.5 cm** = **3162.5 cubic centimeters (cm^2 or CCs)**

   Cubic centimeters = milliliters
   1000 milliliters = 1 liter
   ∴ 1000 cm^2 = 1 liter

2. If the plaster is for a mold with which to cast slip or wax, determine the volume of water displaced by any and each object to be replicated.

   V from Step 1 – **V** of objects = $\mathbf{V^a}$

3. Multiply $\mathbf{V^a}$ by **0.67**.

   V^a x 0.67 = amount of water in which to mix plaster (**W**)
   3162.5 x 0.67 = 2118.875
   W = 2.1 liters approximately