Volume by Difference Review

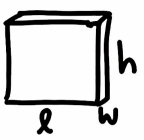
V_{object} = ____ mL

V_{ini} = 21.6mL V_{final} = 29.2mL

$V_{object} = V_{final} - V_{ini}$

$= 29.2\text{mL} - 21.6\text{mL}$

$= 7.6\text{mL}$



Cube: $\ell = 5.2\text{cm}$

$w = 9.1\text{cm}$ $h = 13.6\text{cm}$

V_{cube} = ____ cm^3 = ____ mL

$V_{cube} = \ell \cdot w \cdot h$

$= 5.2\text{cm} \cdot 9.1\text{cm} \cdot 13.6\text{cm}$

$= 643.55\,cm^3$

$= 643.55\,mL$