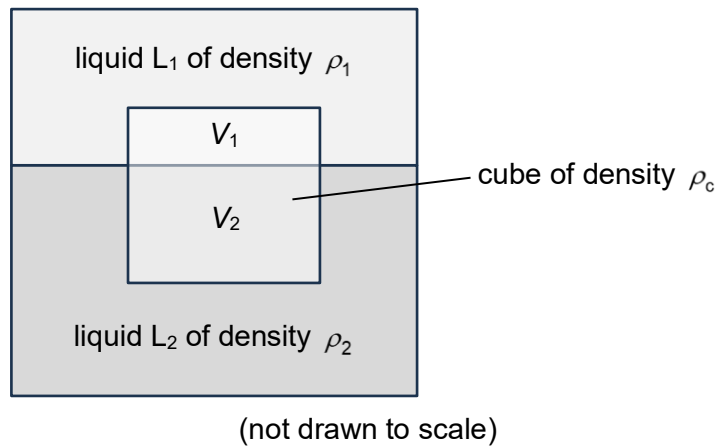


- 7 A cube of density ρ_c is floating in two liquids L_1 and L_2 of densities ρ_1 and ρ_2 respectively. Volume V_1 of the cube is immersed in L_1 , and volume V_2 of the cube is immersed in L_2 .



What is the ratio $\frac{V_1}{V_2}$, if $\rho_2 = 3\rho_1$ and $\rho_c = 2\rho_1$?

A $\frac{1}{3}$

B $\frac{1}{2}$

C $\frac{2}{3}$

D 1