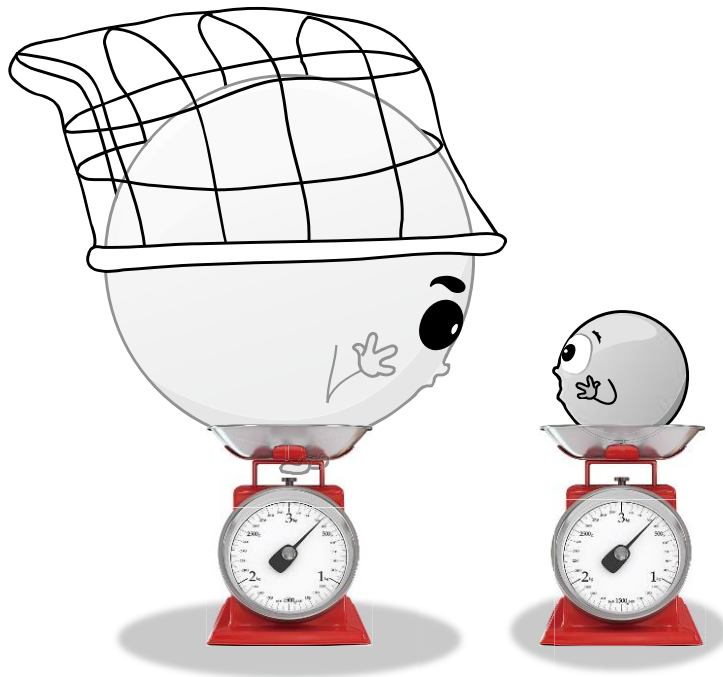
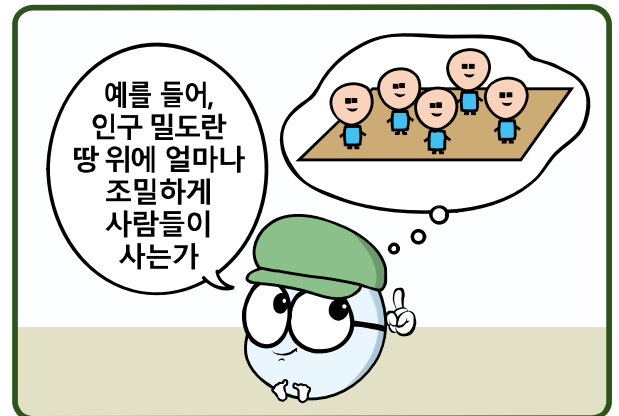
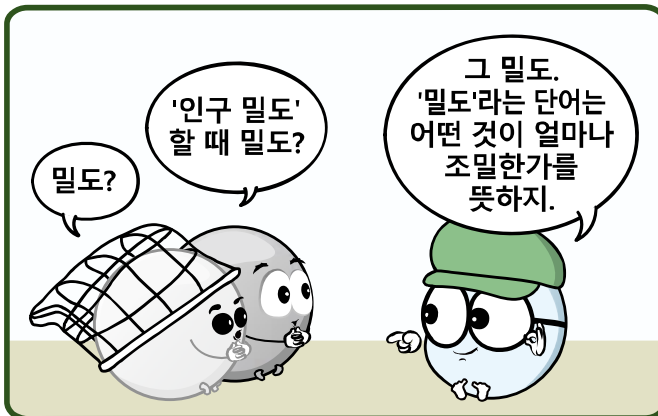


제 5편

밀 도



질량과 부피의
상대적인
크기와 관계
있는
'ρ'으로
시작하는
단어는?



$$\text{인구 밀도} = \frac{\text{사는 사람의 수}}{\text{면적}}$$



밀도

- 어떤 물질 덩어리에 질량이 얼마나 뽁뽁이 들어있나를 나타내는 양

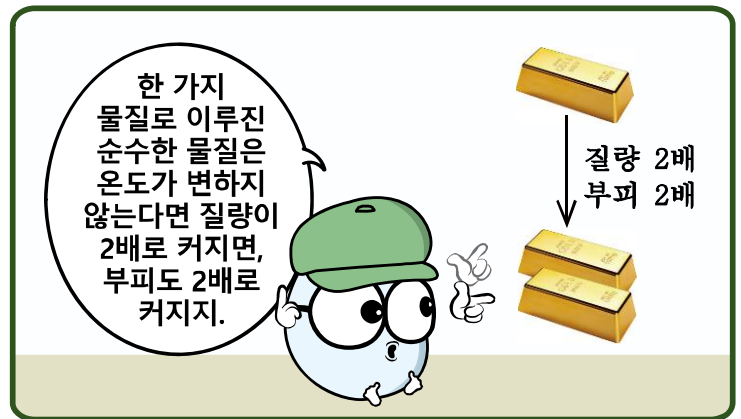
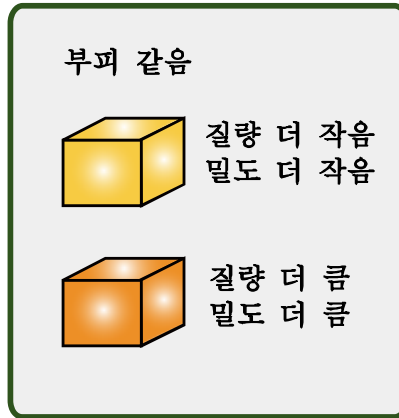
$$\text{물체의 밀도} = \frac{\text{질량}}{\text{부피}}$$



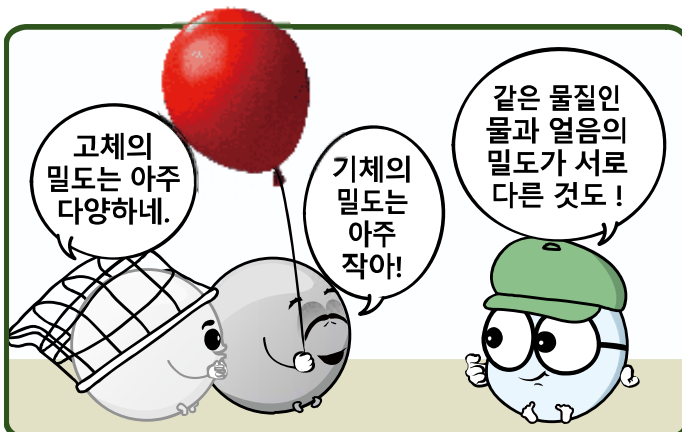
$$\begin{aligned} \text{질량} &= 30\text{g} \\ \text{부피} &= 50\text{mL} \end{aligned}$$

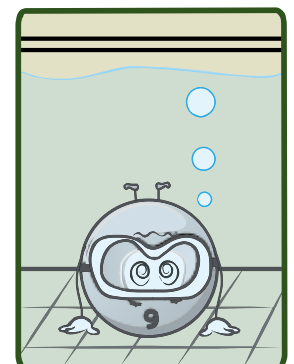
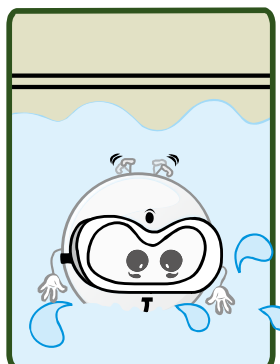
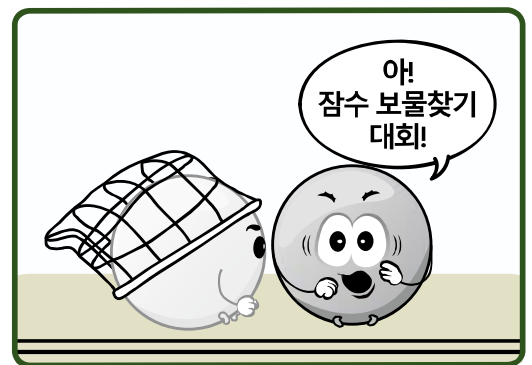
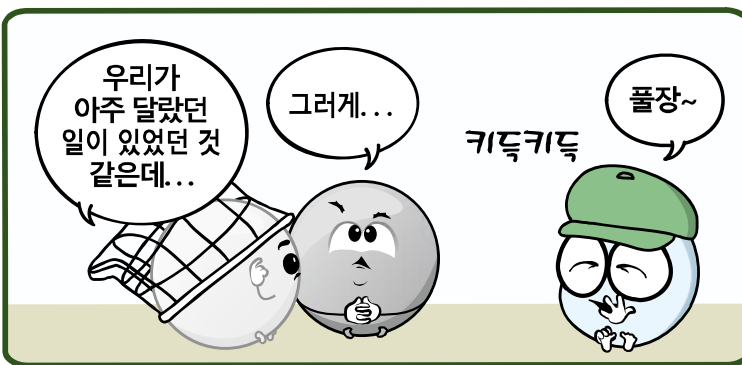
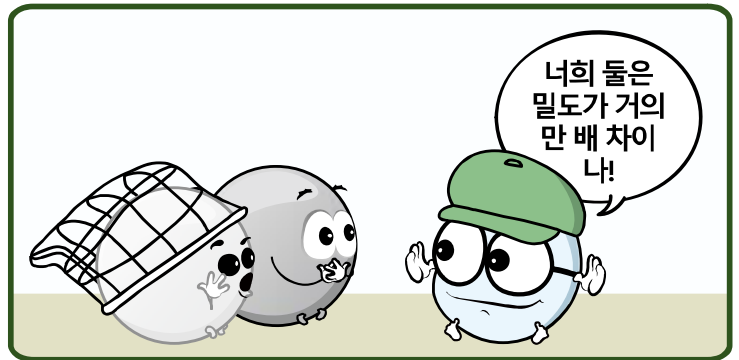
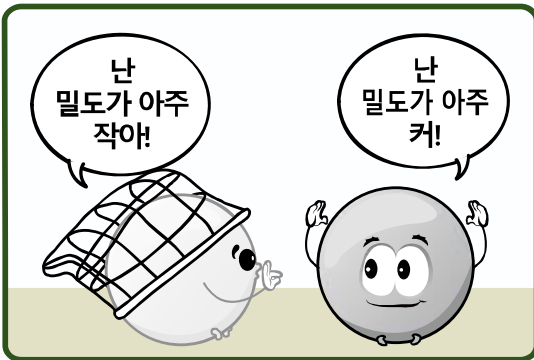
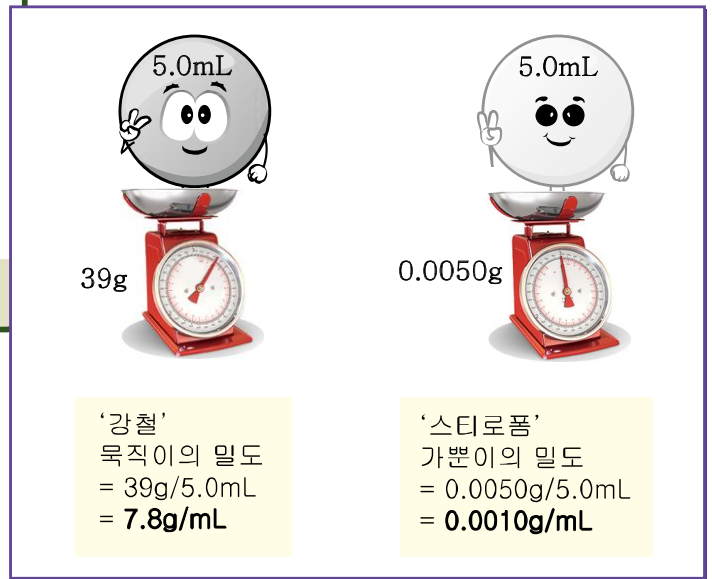
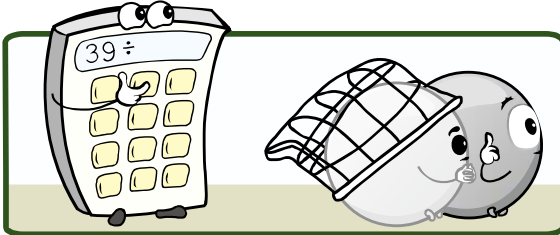
$$\begin{aligned} \text{빵의 밀도} &= 30\text{g}/50\text{mL} \\ &= 0.60\text{g/mL} \end{aligned}$$

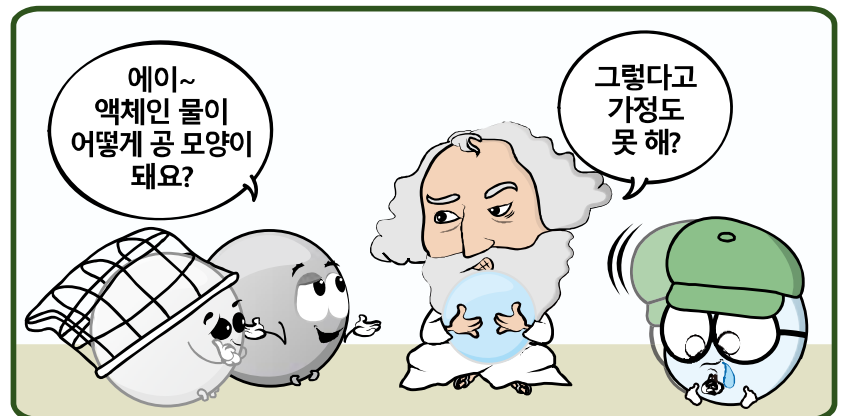
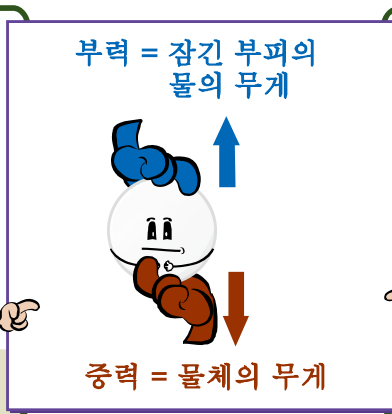
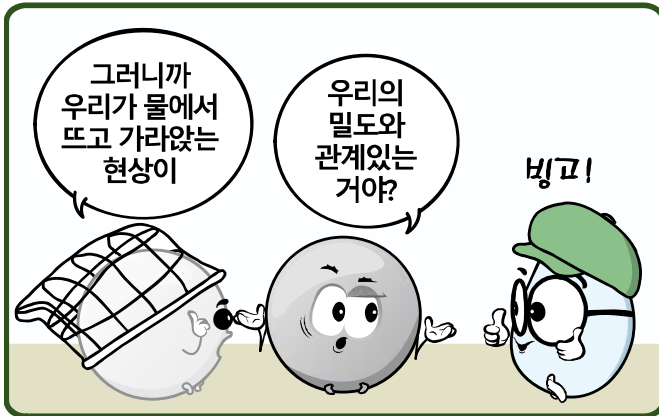


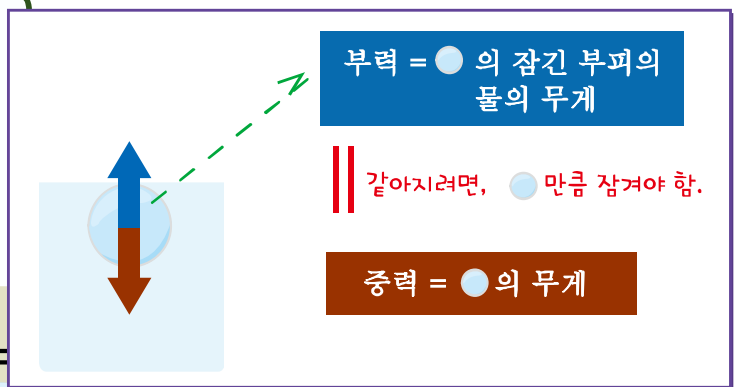
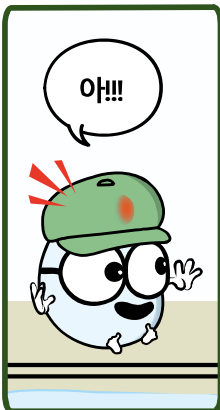
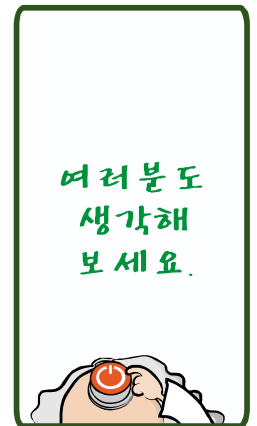
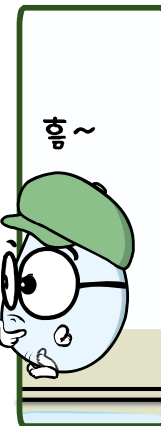
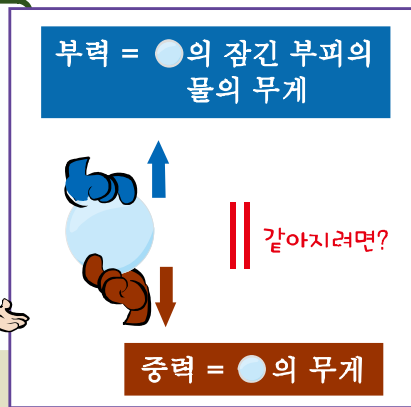


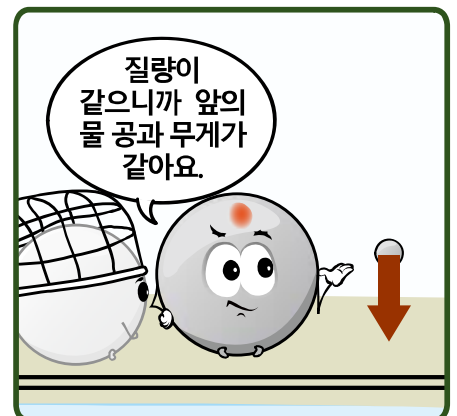
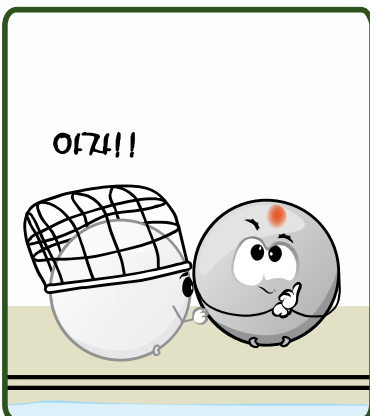
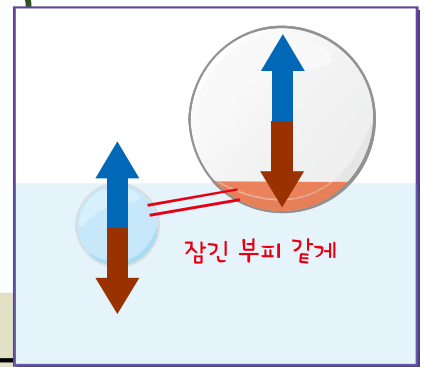
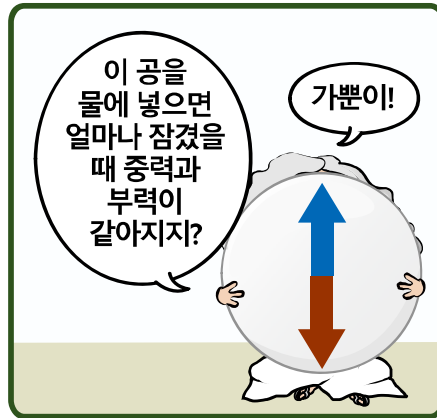
상태	물질	밀도 (g/cm ³)
고체	금	19.3
	철	7.8
	얼음	0.92
액체	수은	13.6
	물	1.00
	에탄올	0.81
기체	수소	0.000090
	헬륨	0.000178

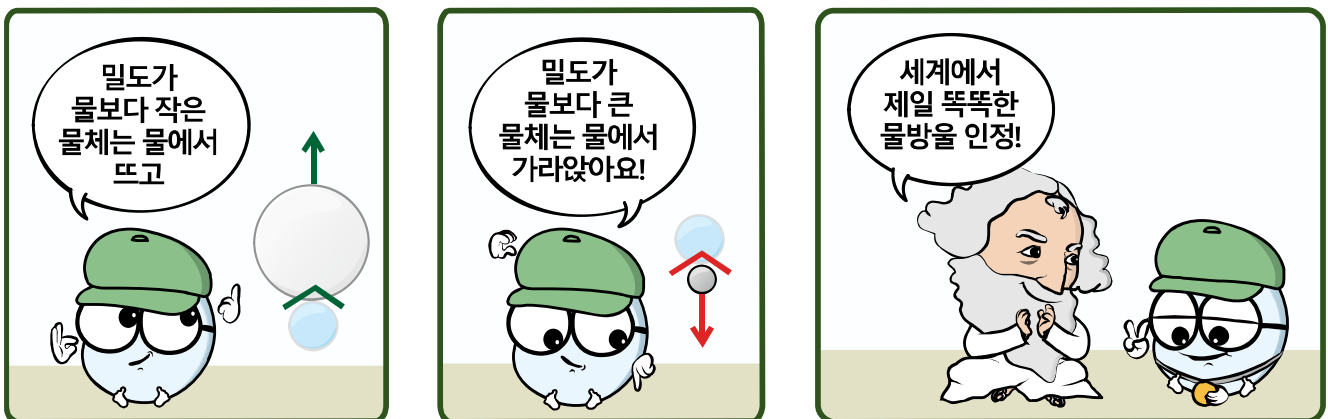
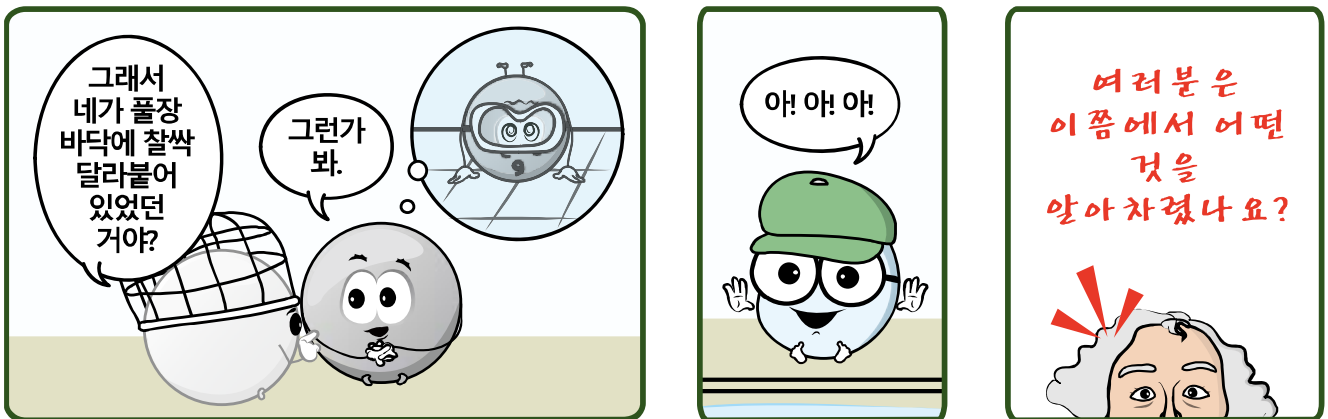
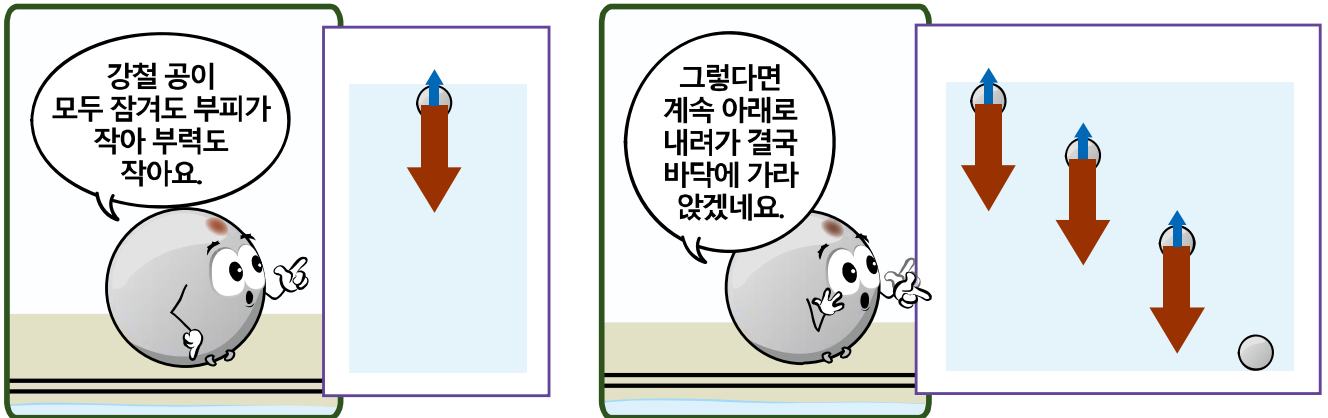


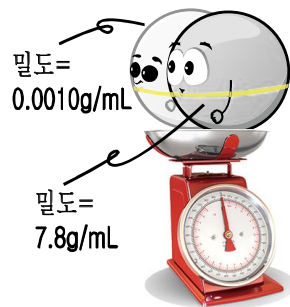
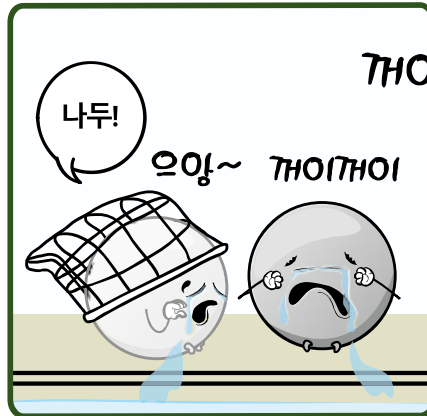












$$\begin{aligned} \text{질량} &= \text{목직이 질량} + \text{가뽀이 질량} \\ &= 39\text{g} + 0.0050\text{g} \\ &= 39\text{g} \end{aligned}$$

$$\begin{aligned} \text{부피} &= \text{목직이 부피} + \text{가뽀이 부피} \\ &= 5.0\text{mL} + 5.0\text{mL} \\ &= 10.0\text{mL} \end{aligned}$$

$$\begin{aligned} \text{'목직+가뽀'의 밀도} &= 39\text{g}/10.0\text{mL} \\ &= 3.9\text{g/mL} \end{aligned}$$





