

Molarity Problems
A 0.24 - $M$ solution of $\mathrm{Na}_{2} \mathrm{SO}_{4}$ contains 0.36 moles of $\mathrm{Na}_{2} \mathrm{SO}_{4}$. How many liters were required to make this solution?


## Getting tougher

$\mathrm{AgNO}_{3} \pm \mathrm{BaCl}_{2} \rightarrow \mathrm{AgCl}+\mathrm{Ba}\left(\mathrm{NO}_{3}\right)_{2}$ Balance the equation. If 1.2 L of .50 M $\mathrm{AgNO}_{3}$ is reacted completely, what molarity solution of $\mathrm{Ba}\left(\mathrm{NO}_{3}\right)_{2}$ will be created if the volume increased to 1.5 L ?


