Name:		_
Blk:	_Date:	 

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Recall:	
1.	STOICHIOMETRY requires a and in
	lesson #3 we learned about/
	equations.
2.	The Molarity formula:
3.	The Dilution formula:
Examp i.	le 1: What is the molar concentration for the <u>chloride ion</u> in 0.25 M AICI <sub>3</sub> ? Write out the Dissociation Equation:
ii.	Use the equation to cross the MOLEDENGATE bridge to solve for the individual ion
Examp of 0.50 i.	where $\mathbf{z}$ . What is the molar concentration (molarity) of EACH ION that is made when mixing 50.0 mL $_{00}$ M AlCl $_{3}$ with 75.0 mL of 0.200 M NiF $_{2}$ ?  Write out the Dissociation Equations:
ii.	Use the Dilution formula TWICE to solve for the resulting concentrations of each compound:
iii.	Use the equation to cross the MOLEDENGATE bridge to solve for the individual ions:

<b>Example 3</b> . What is the molar concentration of each ion that is made by mixing $50.0 \text{ mL}$ of $0.240 \text{ M AlBr}_3$ with $25.0 \text{ mL}$ of $0.300 \text{ M CaBr}_2$ ?  i. Write out the Dissociation Equations:	
ii.	Use the Dilution formula TWICE to solve for the resulting concentrations of each compound:
iii.	Use the equation to cross the MOLEDENGATE bridge to solve for the individual ions:
iv.	Because you have TWO of the SAME ION you must add those two values together to get the FINAL CONCENTRAION: