**Dilutions**



**Remember** – the number of moles will not change



What is the concentration of hydrochloric acid resulting from diluting 25.0mL of 12.0M HCl to 150.0mL?



What volume of 0.50M sodium chloride will be needed to prepare 250.0mL of a 0.150M solution?



A student needs to prepare a 0.200M solution of sulphuric acid. What volume of this solution could the student prepare using 15.0mL of 8.00M sulphuric acid?

