1) How many liters of a lithium hydroxide solution can be make from a 1.50 M solution, using 50.0 grams of lithium hydroxide?

2) How many grams of MgBr, does your chemistry teacher need to add to 500.0 mL to make a solution that is 0.800 Molar?

3) Calculate the mass of potassium iodide in a 15.0% solution which has a mass of 1250 g.

4) What is the final volume of a solution if 800.0 mL of a 4.00 M solution of HCl is to be diluted to a concentration of 0.600 M? Mo

$$M_{c}V_{c} = M_{p}V_{p}$$

$$(4.00 M)(800,0 mL) = (0.60 M)V_{p}$$

$$V_{p} = 5330 ML$$

5) Calculate the molarity of a solution of sulfuric acid in which 50.0 grams of sulfuric has been added to 700.6cm³. -> 700 m/s