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Mola	arıtv	Pro	blems

1.	What is the molarity of a solution that was prepared by dissolving 14.2 g of $NaNO_3$ (molar mass = 85.0 g/mol) in enough water to make 350 mL of solution?
2.	$\underline{Ans: 0.477\ M}$ What is the molarity of a solution that was prepared by dissolving 82.0 g of CaCl ₂ (molar mass = 111.1 g/mol) in enough water to make 812 mL of solution?
3.	$\underline{\text{Ans: 0.909 M}}$ What is the molarity of a solution that contains 5.5 g of HCl (molar mass = 36.5 g/mol) dissolved in enough water to make 250 mL of solution?
4.	$\underline{\text{Ans: 0.60 M}}$ How many grams of NaBr (molar mass = 102.9 g/mol) would be needed to prepare 700 ml of 0.230 M NaBr solution?

Ans: 16.6 g NaBr