Molarity Practice Problems #2

1) How many liters of 0.88 M LiF solution can be made with 25.5 grams of solute?

2) What is the concentration of a solution that has a volume of 660 mL and contains 33.4 grams of aluminum acetate?

3) How many liters of 0.75 M solution can be made using 75 grams of lead (II) oxide?

4) How many kilograms of manganese (IV) oxide are needed to make a 5.6 liters of a 2.1 M solution?

5) What is the concentration of a solution with a volume of 9.00 mL that contains 0.025 grams of iron (III) hydroxide?

6) What is the concentration of a solution with a volume of 3,350 mL that contains 12.00 grams of ammonium sulfite?
Molarity Practice Problems #2

1) How many liters of 0.88 M LiF solution can be made with 25.5 grams of solute? 1.1 L

2) What is the concentration of a solution that has a volume of 660 mL and contains 33.4 grams of aluminum acetate? 0.25 M

3) How many liters of 0.75 M solution can be made using 75 grams of lead (II) oxide? 0.45 L

4) How many kilograms of manganese (IV) oxide are needed to make a 5.6 liters of a 2.1 M solution? 1.0 kg

5) What is the concentration of a solution with a volume of 9.00 mL that contains 0.025 grams of iron (III) hydroxide? 0.026 M

6) What is the concentration of a solution containing 3.3 mL of solvent and 12 grams of ammonium sulfite? 0.0308 M