Mass/Volume Percent Problems (% m/v)

Mass of solute (g)
Volume of solution (mL) Mass/Volume Percent = x 100

You cannot add mass and volume = they are apples and oranges!!!	
1.	What is the concentration in percent mass/volume of 150 mL of solution containing 30 g of solute? (20 %)
2.	What is the concentration by % m/v if 67 g are dissolved to make 1.2 L of solution? (5.6 %)
3.	What volume of a 40 % m/v solution contains 70 g of solute? (175 mL)
4.	What amount of solute is dissolved to make 0.5 L of a 20 % m/v solution? (100g solute)
5.	What amount of a 75 % m/v solution will be made if 50 g of solute are dissolved? (66.7 mL solution)
6.	What is the concentration in % m/v if 0.55 kg of solute is dissolved to make 1.5 L of solution? (36.7 %)