Exercise: Logic: Measuring Water problem

a. If you have a five-liter and a three-liter bottle and plenty of water, how can you get (measure) exactly four liters of water? Explain your answer.

b. Can we measure exactly all the following quantities: 1-liter, 2-liters, 3-liters, 4-liters, 5-liters, 6-liters, 7-liters, 8-liters? (If the answer is yes then show how to do it.)