

Answer all questions. Show your work and write your statements clearly.

1. A jug can hold 2 *l* 250 ml of water. A bottle can hold 1 *l* 340 ml less water than the jug. What is the total volume of water that both containers can hold? Express your answer in liters and milliliters.

2. A tank is filled to the brim with water. After 83 gal of water has been removed from it and another 29 gal added to it, the tank is half filled. What is the capacity of the tank?