DATA TABLE

Part A Mass of dry 10 ml graduated cylinder
Mass of grad. cylinder + 10.0 ml water

Part B Mass of dry 10 ml graduated cylinder and 9.0 ml of unknown liquid

Part C Mass of solid object
Original volume of water (in 100 ml cylinder)
Final volume of water plus solid object

1. What is the purpose of the lab? (In complete sentence)

2. Part A: What is your calculated density of water (use your data and show your calculations)

3. Part B: What is the density of the unknown liquid? [What is the identity of this liquid?]
   (Again show calculations)

4. Part C: What is the volume of the solid? Cube _____ rectangle _____
   Calculate the density of the solid. (Show work)

5. The method used in finding the volume of the solid in Part C won't work with all solids. Why not? (Give an example)

6. For the solid used in Part C, what would the volume have been for a sample that weighed 150 grams? Hint: Use your density value from Part C!