Density of the rocks

The rocks were dried in the oven for 24 hours on 105 degrees Celsius. After the drying period the stones were weighted. After weighting the rocks were situated in a cup filled with water for four hours to make sure that all the pores are filled with water. After these hours of waiting, the rocks were weighted again to determine the wet weight. Thereafter, the volumes of the rocks were determined using a measuring cup. To measure the volume of the rocks the rocks should fit in the measuring cup. The measuring cup were filled with half a litre of water. The volume of the rock was measured by taking the difference between half a litre and the value of the measuring cup. With the weight and the volume of the rocks the density of the rocks was determined. The weighting of the rocks is quite accurate. During the measurements of the volume some errors are made. The most important error is losing some water during the measurements. The accuracy of the weighting is in the order of 0.1 g and the accuracy of measuring the volume is in the order of 10 ml.