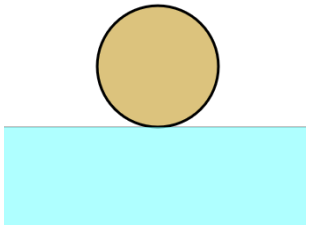
Percent Submerged

Step 1: Below is a picture of your sphere before being submerged in the fluid. Next the picture give the diameter of the sphere, the density of the sphere, and the density of the fluid it will be submerged in



Step 2: Calculate the total volume of the ball, the mass of the ball and the force gravity of the ball. Show your work neatly below

Step 3: Since you are going to be looking at the ball when floating, use the force of gravity to find the force buoyancy and from that find the volume submerged when it is in equilibrium. Show you work below

Step 4: Now calculate the percent of the ball that will be submerged when it is at equilibrium. Sketch that as best you can below. Enter the answers into your program to make sure you did everything correctly