

Problem-1

A vessel with water is placed on a weighing pan and reads 600 g. Now a ball of 40 g and density 0.80 g/cc is sunk into the water with a pin as shown in Figure 1 below, keeping it sunk. The weighing pan will show a reading.

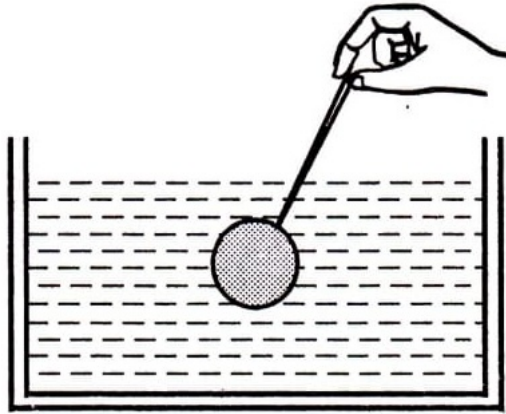


Figure 1:

- (a) 600 g
- (b) 550 g
- (c) 650 g
- (d) 632 g