



Density Mass Volume

Question 1

State the equation expressing density in terms of mass and volume.

Question 2

A metal rod has a density of 7.8 g / cm^3 and a volume of 2300 cm^3 . Calculate the mass of the rod.

Question 3

A ball has a mass of 420g and a volume of 5000 cm^3 . Calculate the density of the ball,

Question 4

A statue has a mass of 220 kg and a density of 1500 kg / m^3 . Find the volume of the statue.

Question 5

A brick has a volume of 1024 cm^3 and a density of 1.7 g / cm^3 . Find the mass of the brick.

Question 6

A plank of wood has a mass of 45 kg and a density of 1.4 g / cm^3 . Find the volume of the wooden plank.

Question 7

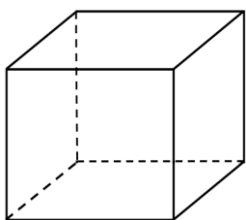
A block of cement has a volume of 3.2 m^3 and a mass of 4608 kg. Calculate the density of the cement.

Question 8

A solution has a volume of 400 cm^3 and a density of 1.12 g / cm^3 . Calculate the mass of the solution.

Question 9

The cube below has a mass of 860g.



5cm

Calculate the density.

Question 10

The density of surface sea water is 1020 kg / m^3 . Calculate the volume of 5kg of this sea water.