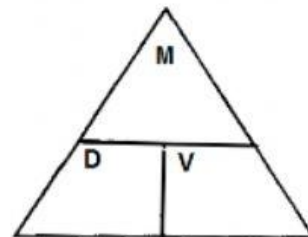


Density Practice Problems

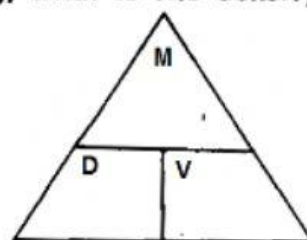
1) A block of aluminum has a volume of 15.0 mL and a mass of 40.5 g. What is its density?

Units
mL g g/mL
answer



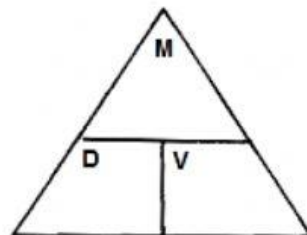
2) Mercury metal is poured into a graduated cylinder and has a volume 22.5 mL. The mercury used to fill the cylinder has a mass of 306.0 g, what is the density of mercury.

Units
mL g g/mL
answer



3) What is the mass of the ethyl alcohol that has a volume of 200.0 mL? The density of ethyl alcohol is 0.789 g/mL.

Units
mL g g/mL
answer



4) A rectangular block of copper metal has a mass of 1896 g. The dimensions of the block are 8.4 cm by 5.5 cm by 4.6 cm, what is the density of copper?
(Hint: Volume = Length * Height * Width)

Volume = * * =

Units
mL g g/mL
answer
round to 1 decimal

