Density = Mass / Volume ⇒ D = M / V ⇒ Density = Mass ÷ Volume

Mass, Volume and Density



1. You have a rock with a volume of 12 cm^3 and a mass of 84 g. What is its **density**?

D = 84 g / 12 cm^3 Its density is ..... g/cm^3

2. You have a different rock with a volume of 24 cm^3 and a mass of 192 g. What is its **density**?

D = ____g____ Its density is ..... g/cm^3
.....cm^3



3. In question 1 and 2, which rock is **more dense? Drag and drop.**

FIRST SECOND

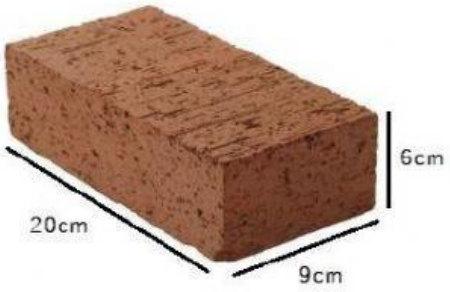
The ..... rock is more dense than the ..... rock.

4. What is the **density** of a rectangular brick with a weight of 2160 g ?

Volume = ... X ..... X ..... = ... cm^3

D = ____g____
.....cm^3

Its density is ..... g/cm^3





5. A block of marble measures 10 cm X 10 cm X 10 cm. It weighs 4000 g. What is its **density** ?

Mass: ..... g
Volume: ..... X ..... X ..... = ... cm^3
D = ____g____
.....cm^3 Its density is ..... g/cm^3