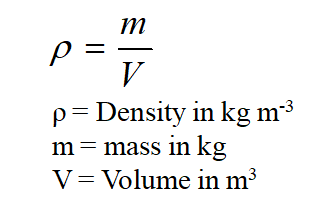
**Videos 10B - Density Name**



Example – What is the mass of an iron cannon ball that is 17 cm in diameter?

Whiteboards:

|  |  |
| --- | --- |
| 1. What is the destiny of a fluid if 2.00 liters of it has a mass of 1.58 kg? (1000 liters = 1 m3) (790 kg m-3 ) | 2. What volume (in m3) of mercury has a mass of 1.00 kg?  (ρ = 13.6x103 kgm-3)  How many ml is this? (1 m3 = 106 ml)  (7.4x10-5 m3, 74 ml) |
| 3. What would be the mass of a gold brick that measures the same as a standard building brick?  (A regular building brick has a mass of about 2 kg)  (92 x 57 x 203 mm, ρ = 19.3x103 kgm-3) | |