

COME SI TRASFORMA DA DM CUBI A LITRI?



ESEMPI

$$4,3 \text{ ol} = 430 \text{ ml} = 430 \text{ cm}^3$$

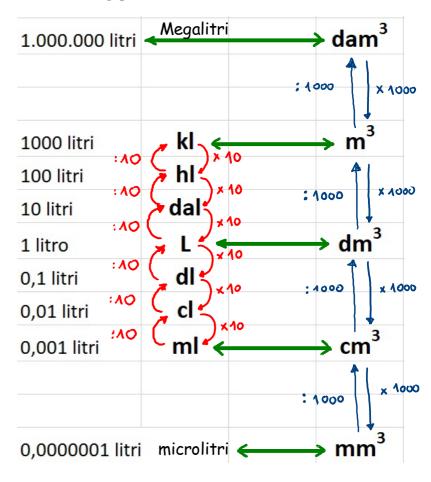
$$4,3 \text{ ol} = 430 \text{ ml} = 430 \text{ cm}^3$$

$$43 \text{ ol} = 100 \text{ converto sempre sulle}$$

$$100 \text{ lines verbi Modificando}$$

$$100 \text{ solo l'Unita' bi Misura}$$

$$100 \text{ om}^3 = 100 \text{ cm}^3 = 230 \text$$



LA DENSITA'



$$D = \frac{\Lambda}{W}$$

$$V = \frac{D}{M}$$

$$M = D \times V$$

Può essere espressa in due modi:

Unità di misura usata quasi sempre per gas e liquidi

lo stesso numero rappresenta

Gas

Hydrogen: $0.089 \, \text{kg/m}^3$ 1.43 kg/m³ Oxygen: Carbon Dioxide: 1.96 kg/m3



Liquid

 789 kg/m^3 Alcohol: 1000 kg/m3 Water: 13534 kg/m³ Mercury:



Solid

Aluminium: $2700 \, \text{kg/m}^3$ Steel: $7500 \, \text{kg/m}^3$ $18800 \, \text{kg/m}^3$ Uranium:



ESEMPI

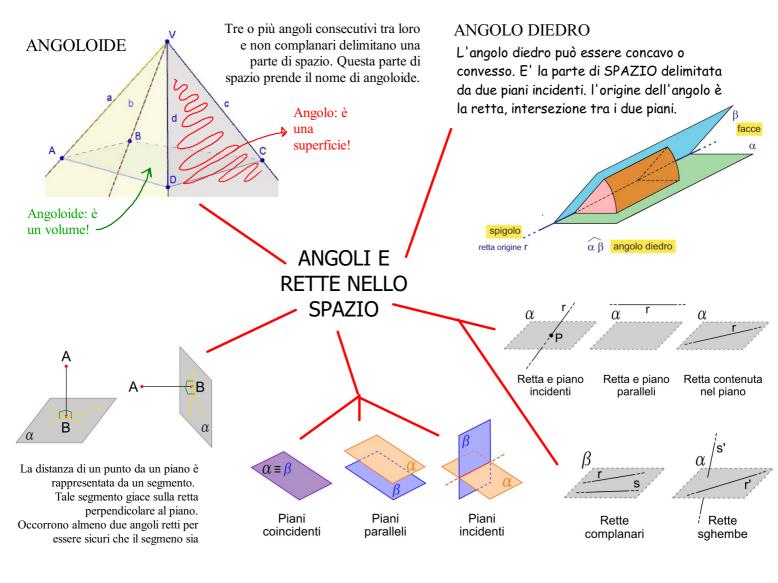
M = 20 kg

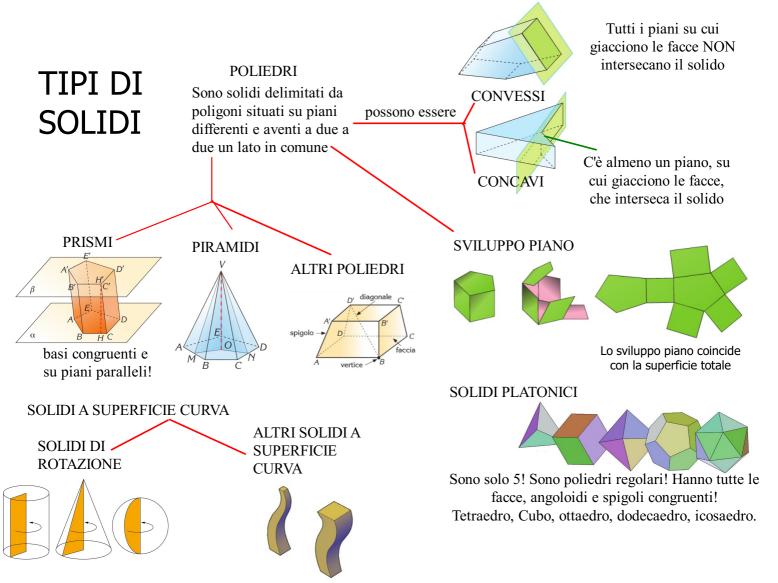
$$V = 12 \text{ dm}^3$$

entrambe le unità di misura
$$0 = \frac{M}{V} = \frac{20 \text{ Kg}}{12 \text{ dm}^3} = 1,6 \text{ kg} \text{ dm}^3$$
Material (g/cm³)

$$V = \frac{M}{D} = \frac{98}{1,36} \frac{100}{100} = 50 \text{ m}^3$$

| Material | (g/cm ³) | | |
|----------|----------------------|--|--|
| Platinum | 21.5 | | |
| Lead | 11.3 | | |
| Steel | 7.8 | | |
| Titanium | 4.5 | | |
| Aluminum | 2.7 | | |
| Glass | 2.7 | | |
| Granite | 2.6 | | |
| Concrete | 2.3 | | |
| Plastic | 2.0 | | |
| Rubber | 1.2 | | |





RELAZIONE DI EULERO









FACCE + VERTICI = SPIGOLI + 2

| poliedro | f | υ | s | f + v | s + 2 |
|-----------|---|----|----|-------|-------|
| tetraedro | 4 | 4 | 6 | 8 | 8 |
| pentaedro | 5 | 5 | 8 | 10 | 10 |
| esaedro | 6 | 8 | 12 | 14 | 14 |
| ettaedro | 7 | 10 | 15 | 17 | 17 |