

rho

$$\rho = \frac{m}{V}$$

masse

volume

Densité

masse volumique

kg/dm³

$$\rho_{H_2O} = \frac{1 \text{ kg}}{1 \text{ dm}^3} = 1 \text{ kg/dm}^3$$

ρ	m
1	V

ρ	m
1	V

Un objet a une masse de 5 kg
pour un volume de 732 cl.
Réponse en kg/dm^3

masse

volume

$$732 \text{ cl} = 73,2 \text{ dl} = 7,32 \text{ l}$$

$$1 \text{ l} = 1 \text{ dm}^3 \quad = 7,32 \text{ dm}^3$$

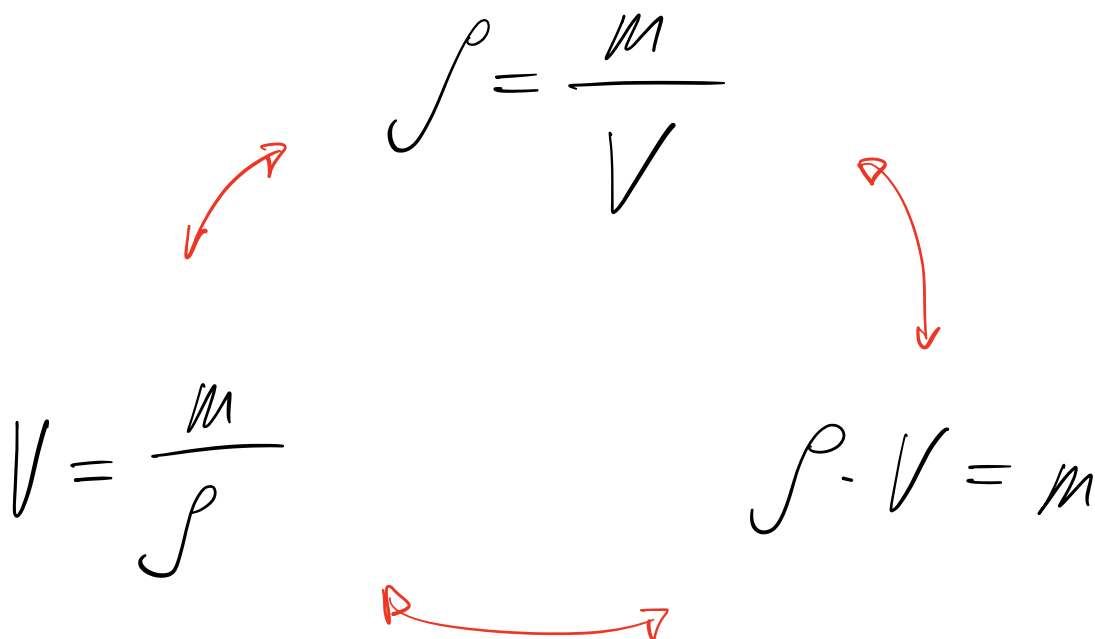
$$\rho = \frac{m}{V} = \frac{5 \text{ kg}}{7,32 \text{ dm}^3} \approx 0,683 \text{ kg}/\text{dm}^3$$

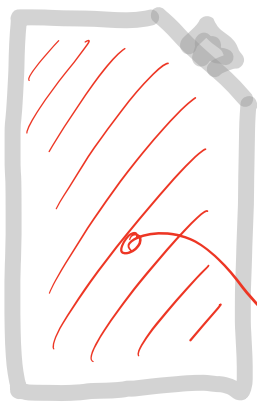
$$\rho = 0,94 \text{ kg}/\text{dm}^3 \quad V = 1,58 \text{ dm}^3$$

$$m = ?$$

$$\rho = \frac{m}{V} \Leftrightarrow m = \rho \cdot V = 0,94 \text{ kg}/\text{dm}^3 \cdot 1,58 \text{ dm}^3 \\ \approx 1,49 \text{ kg}$$

$$\rho = \frac{m}{V} \Leftrightarrow V = \frac{m}{\rho}$$


$$\rho = \frac{m}{V}$$

$$V = \frac{m}{\rho}$$
$$\rho \cdot V = m$$



$$\rho = 0,92 \text{ kg/dm}^3$$

$$20l = 20 \text{ dm}^3$$

↑
20 kg (mazout + jerrican)

$$2 \mu m = 2 \cdot 10^{-6} m$$

$$10^{-6} = 0,000001$$

$$= 2 \cdot 10^{-4} cm$$

$$= 0,0002 cm$$

25 000	1
	0,0002

6	24
	100