



- 1 A block of plastic has a mass of 2.8 kg.
The plastic has density 0.85 kg/m^3
Work out the volume of the block of plastic.
Give your answer correct to 3 significant figures.

(2) m^3

- 2 A foam block has a volume of 3 m^3 .
The foam has density 0.55 kg/m^3
Work out the mass of the block of foam.
Give your answer correct to 1 decimal place.

(2) kg



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The plastic has density 0.85 kg/m³

$$D = \frac{m}{v} \quad v = \frac{m}{D}$$

Work out the volume of the block of plastic.
Give your answer correct to 3 significant figures.

$$v = \frac{2.8}{0.85} = 3.29 \text{ m}^3$$

(2)

- 2 A foam block has a volume of 3 m³.
The foam has density 0.55 kg/m³

$$D = \frac{m}{v} \quad Dv = m$$

Work out the mass of the block of foam.
Give your answer correct to 1 decimal place.

$$3 \times 0.55 = 1.7 \text{ kg}$$

(2)