

# Edexcel AS Physics: Materials – Calculation Practice

Praneel Physics

1. A sample has mass  $1.20 \text{ kg}$  and volume  $8.0 \times 10^{-4} \text{ m}^3$ . Calculate its density. (P)

*Working and Answer:*

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

$$\rho = \frac{1.20}{8.0 \times 10^{-4}} = 1.50 \times 10^3 \text{ kg m}^{-3}.$$