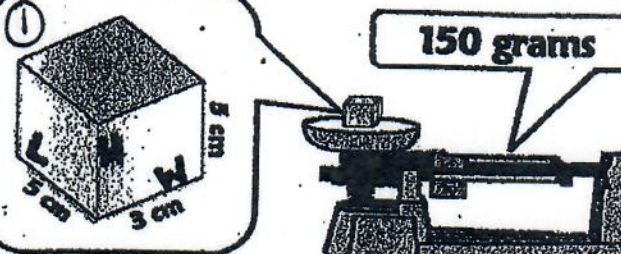


Density of a Substance...

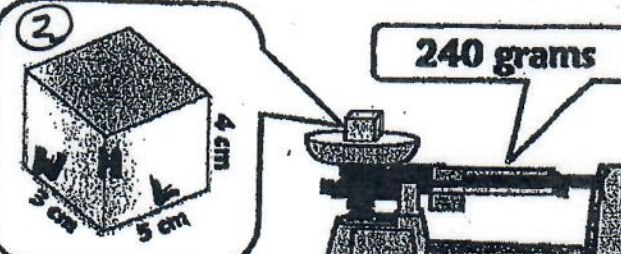
$D = M \div V$ ^{given} $V = L \times W \times H$

Directions: Calculate the DENSITY of each substance.

① 

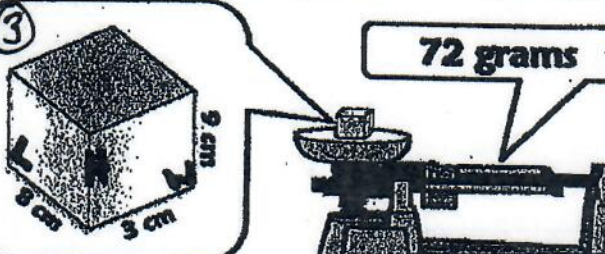
$V = 5 \times 3 \times 5 = 75 \text{ cm}^3$ $D = \frac{150 \text{ g}}{75 \text{ cm}^3}$

Density = 2.0 g/cm³

② 

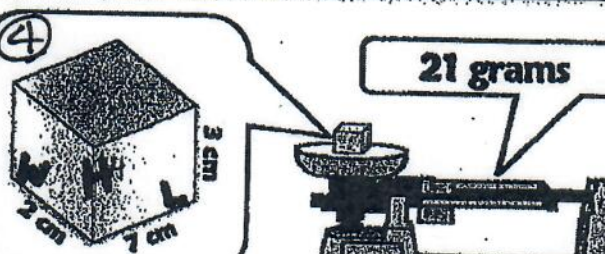
$V = 3 \times 5 \times 4 = 60 \text{ cm}^3$ $D = \frac{240 \text{ g}}{60 \text{ cm}^3}$

Density = 4 g/cm³

③ 

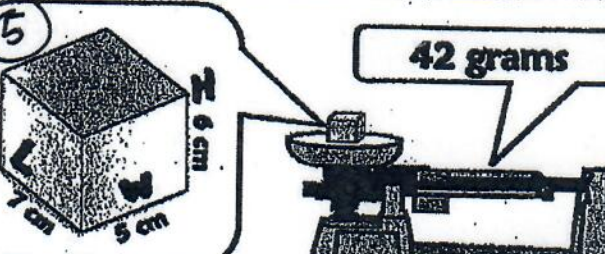
$V = 8 \times 3 \times 9 = 216 \text{ cm}^3$ $D = \frac{72 \text{ g}}{216 \text{ cm}^3}$

Density = D = 0.33 g/cm³

④ 

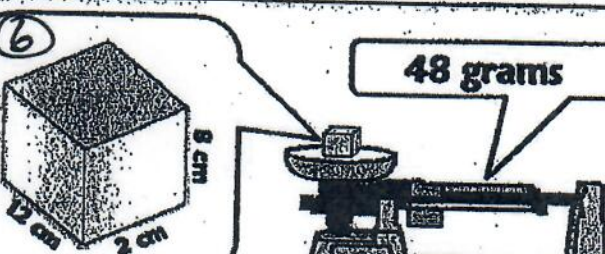
$V = 2 \text{ cm} \times 7 \text{ cm} \times 3 \text{ cm} = 42 \text{ cm}^3$ $D = \frac{21 \text{ g}}{42 \text{ cm}^3}$

Density = D = 0.5 g/cm³

⑤ 

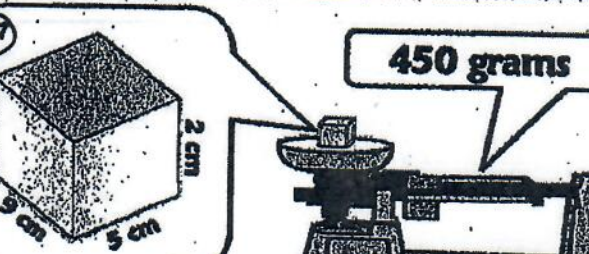
$V = 7 \text{ cm} \times 5 \text{ cm} \times 6 \text{ cm} = 210 \text{ cm}^3$ $D = \frac{42 \text{ g}}{210 \text{ cm}^3}$

Density = 0.2 g/cm³

⑥ 

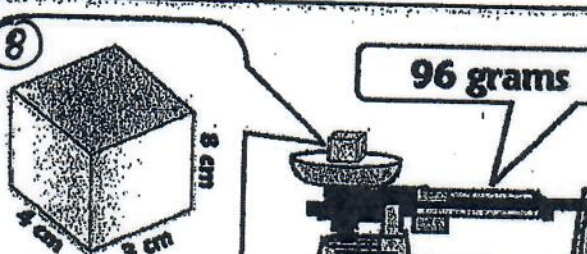
$V = 12 \times 3 \times 8 = 288 \text{ cm}^3$ $D = \frac{48 \text{ g}}{288 \text{ cm}^3}$

Density = 0.166 g/cm³

⑦ 

$V = 9 \times 5 \times 2 = 90 \text{ cm}^3$ $D = \frac{450 \text{ g}}{90 \text{ cm}^3}$

Density = 5.0 g/cm³

⑧ 

$V = 4 \times 3 \times 8 = 96 \text{ cm}^3$ $D = \frac{96 \text{ g}}{96 \text{ cm}^3}$

Density = 1.0 g/cm³