

Use simple formulae for area and volume

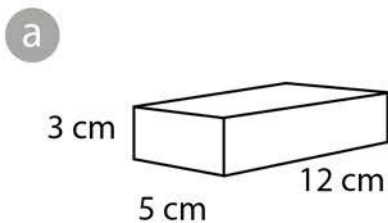
1 The formula to find the area of a rectangle is A (Area) = l (length) \times w (width). Use this to find the missing values in the table below.

	l	w	A
Rectangle A	4 cm	5 cm cm ²
Rectangle B	8 cm	9 cm cm ²
Rectangle C	3 m m	36 m ²
Rectangle D mm	9 mm	117 mm ²
Rectangle E	2.5 m m	45 m ²

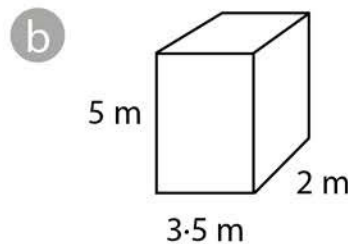


2 Use the formula V (Volume) = $l \times w \times h$ (height) to find the volume of the cuboids.

Not to scale



$V = \boxed{} \text{ cm}^3$



$V = \boxed{} \text{ m}^3$

3 Use the formulae above to identify **two** possible sets of missing values (each side is a whole number).

a Area = 16 cm²

$16 \text{ cm}^2 = \boxed{} \text{ cm} \times \boxed{} \text{ cm}$ or $16 \text{ cm}^2 = \boxed{} \text{ cm} \times \boxed{} \text{ cm}$

b Volume = 24 cm³

$24 \text{ cm}^3 = \boxed{} \text{ cm} \times \boxed{} \text{ cm} \times \boxed{} \text{ cm}$

or $24 \text{ cm}^3 = \boxed{} \text{ cm} \times \boxed{} \text{ cm} \times \boxed{} \text{ cm}$