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The file: Worksheet the volumes and surface areas of cuboids

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17.5 The volumes and surface areas of cuboids

Do you remember the formulae for the volume and surface area of a cuboid?

For a cuboid with length l , width w and height h :

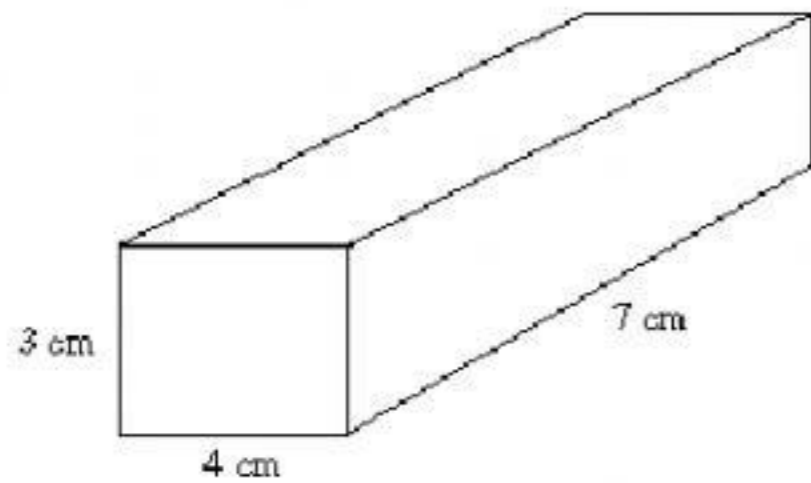
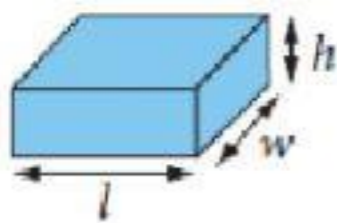
volume = _____ × _____ × _____

or $V =$ _____

surface area = $2 \times$ _____ \times _____ $+ 2 \times$ _____ \times _____ $+ 2 \times$ _____ \times _____

or $SA =$ _____ $+$ _____ $+$ _____

Remember: when you use these formulae, the measurements for length, width and height must be in the _____.



a) $V =$ _____ \times _____ \times _____

$=$ _____ cm^3

b) $SA = 2 \times$ _____ \times _____ $+ 2 \times$ _____ \times _____ $+ 2 \times$ _____ \times _____

$=$ _____

Or

$SA = 2 ($ _____ \times _____ $+$ _____ \times _____ $+$ _____ \times _____ $)$

$=$ _____ cm^2