Worksheet 2015-7ℰN-00002(2)

(1) Convert the following to the unit as indicated in brackets:

(a) 30 m^2 (cm^2)

_____

_____

_____

(b) 55 cm^3 (mm^3)

_____

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_____

(c) 2 m^3 (cm^3)

_____

_____

_____

(d) 15 m^3 (m^3)

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_____

_____

(e) 740 mm^3 (cm^3)

_____

_____

_____

(f) 8,5 m^3 (cm^3)

_____

_____

_____

(g) 4 000 000 cm^3(m^3)

_____

_____

_____

(h) 155 m^2 (mm^2)

_____

_____

_____

(i) 10,75 m^3 (cm^3)

_____

_____

_____

(2) Calculate how many liters each of the following volumes contain:

(a) 750 000 cm^3

_____

_____

_____

(b) 7 kℓ

(3) Calculate how many milliliters each of the following volumes contain:

(a) 9 000 mm^3

_____

_____

_____

(b) 0,5 m^3 (first convert to cm^3)

(4) Calculate the volume of the rectangular prisms with the following measurements:

(a) L = 23 cm ; B = 14 cm and H = 12 cm

(b) L = B = H = 17 mm

(c) L = 1,1 m ; B = H = 0,4 m

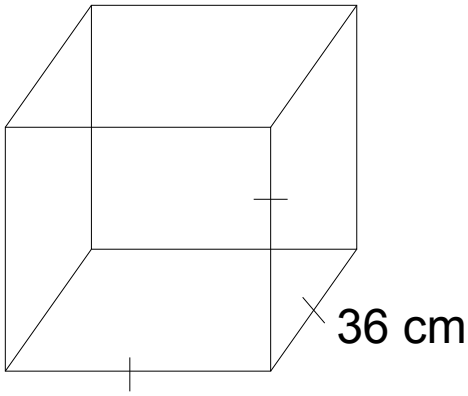
(d) L = 130 mm ; B = 5 cm and H = 0,6 m

(5) Consider the prism:

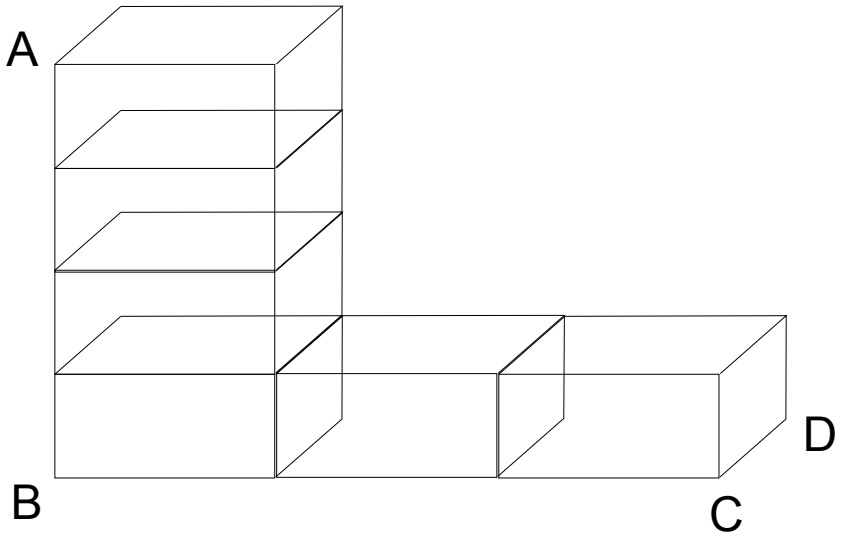
(a) Which type of prism is this?

(b) Calculate the volume of the prism.

(c) How mant liters does the prism contain?



(6) The figure consists of a number of bars of the same size.
AB = 120 cm ; CD = 40 cm and BC = 360 cm



(a) Calculate the length, breadth and height of each bar.
(b) Calculate the volume of one bar.
Show all calculations!
(c) Calculate the volume of the figure.
(d) Convert the volume to mm^3.