

## Exercise 2015-7EN-00001(1)

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

- |                                      |                                         |                                     |
|--------------------------------------|-----------------------------------------|-------------------------------------|
| (a) $84 \text{ mm}^3 (\text{cm}^3)$  | (b) $120 \text{ cm}^3 (\text{m}^3)$     | (c) $2,5 \text{ m}^3 (\text{cm}^3)$ |
| (d) $15 \text{ mm}^3 (\text{m}^3)$   | (e) $6\,789 \text{ cm}^2 (\text{mm}^2)$ | (f) $2 \text{ m}^3 (\text{cm}^3)$   |
| (g) $0,35 \text{ m}^3 (\text{cm}^3)$ | (h) $870 \text{ m}^3 (\text{cm}^3)$     | (i) $6 \text{ m}^2 (\text{cm}^2)$   |

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

- |                        |                                                       |
|------------------------|-------------------------------------------------------|
| (a) $300 \text{ cm}^3$ | (b) $7 \text{ m}^3$ (first convert to $\text{cm}^3$ ) |
|------------------------|-------------------------------------------------------|

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

- |                       |                                                       |
|-----------------------|-------------------------------------------------------|
| (a) $12 \text{ cm}^3$ | (b) $2 \text{ m}^3$ (first convert to $\text{cm}^3$ ) |
|-----------------------|-------------------------------------------------------|

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

- (a)  $L = 5 \text{ cm}$  ;  $B = 5 \text{ cm}$  and  $H = 3 \text{ cm}$
- (b)  $L = 1,1 \text{ m}$  ;  $B = 2 \text{ m}$  and  $H = 3,5 \text{ m}$
- (c)  $L = 4 \text{ cm}$  ;  $B = 75 \text{ mm}$  and  $H = 3 \text{ cm}$
- (d)  $L = 4 \text{ m}$  ;  $B = 250 \text{ cm}$  and  $H = 1 \text{ m}$

(5) Calculate the volume of the following rectangular prisms:

