

grupa C

1. (a) $56 \text{ dag} = 0,56 \text{ kg}$
(b) $83 \text{ ml} = 83 \text{ cm}^3$
(c) $2 \frac{\text{g}}{\text{cm}^3} = 2000 \frac{\text{kg}}{\text{m}^3}$
(d) $17,5 \text{ dm}^2 = 175000 \text{ mm}^2$
(e) $35 \text{ cm} = 0,35 \text{ m}$
(f) $1,29 \frac{\text{kg}}{\text{m}^3} = 0,00129 \frac{\text{g}}{\text{cm}^3}$

(g) $4 \text{ mm} = 0,04 \text{ dm}$
(h) $25 \text{ mm}^2 = 0,00025 \text{ m}^2$
(i) $324 \text{ mm}^3 = 0,000324 \text{ m}^3$
(j) $37 \text{ g} = 0,037 \text{ kg}$
(k) $2,5 \text{ l} = 2,5 \text{ dm}^3$
(l) $45 \text{ cm} = 450 \text{ mm}$

2. $l_1 = 75 \text{ cm} = 0,75 \text{ m}$
 $l = 1200 \text{ m}$

 $m = ?$
 $m = l : l_1$
 $m = 1200 \text{ m} : 0,75 \text{ m}$
 $n = 1600$

3. $a = 5 \text{ m}$
 $b = 3,5 \text{ m}$

 $A = ?$
 $A = a \cdot b$
 $A = 5 \text{ m} \cdot 3,5 \text{ m}$
 $A = 17,5 \text{ m}^2$

4. $a = 2,3 \text{ dm} = 23 \text{ cm}$
 $A = ?$

 $A = a \cdot a$
 $A = 23 \text{ cm} \cdot 23 \text{ cm}$
 $A = 529 \text{ cm}^2$

5. $d = 9 \text{ mm}$
 $d_1 = 1,5 \text{ mm}$

 $n = ?$
 $n = d : d_1$
 $n = 9 \text{ mm} : 1,5 \text{ mm}$
 $n = 6$

6. $a = 56 \text{ cm} = 0,56 \text{ m}$
 $b = 1200 \text{ mm} = 1,2 \text{ m}$
 $c = 42 \text{ dm} = 4,2 \text{ m}$

 $V = ?$
 $V = a \cdot b \cdot c$
 $V = 0,56 \text{ m} \cdot 1,2 \text{ m} \cdot 4,2 \text{ m}$
 $V = 2,8224 \text{ m}^3$

7. $a = 3,5 \text{ cm}$
 $V = ?$

 $V = a \cdot a \cdot a$
 $V = 3,5 \text{ cm} \cdot 3,5 \text{ cm} \cdot 3,5 \text{ cm}$
 $V = 42,875 \text{ cm}^3$

8. $A = 6 \text{ cm}^2$
 $h = 20 \text{ cm}$

 $V = A \cdot h$
 $V = 6 \text{ cm}^2 \cdot 20 \text{ cm}$
 $V = 120 \text{ cm}^3$

9. $m = 324 \text{ g}$
 $V = 120 \text{ cm}^3$
 $\rho = ?$

 $\rho = \frac{m}{V}$
 $\rho = \frac{324 \text{ g}}{120 \text{ cm}^3}$
 $\rho = 2,7 \frac{\text{g}}{\text{cm}^3}$

10. $m = 65 \text{ g}$
 $\rho = 1 \frac{\text{g}}{\text{cm}^3}$

 $V = \frac{m}{\rho}$
 $V = \frac{65 \text{ g}}{1 \frac{\text{g}}{\text{cm}^3}}$
 $V = 65 \text{ cm}^3$

$$\textcircled{11} V = 5 \text{ cm}^3$$

$$\rho = 10500 \frac{\text{kg}}{\text{m}^3} = 10,5 \frac{\text{g}}{\text{cm}^3}$$

$$m = ?$$

$$m = \rho \cdot V$$

$$m = 5 \text{ cm}^3 \cdot 10,5 \frac{\text{g}}{\text{cm}^3}$$

$$m = 52,5 \text{ g}$$

$$\textcircled{12} V_1 = 50 \text{ cm}^3$$

$$V_2 = 70 \text{ cm}^3$$

$$V = V_2 - V_1$$

$$V = 70 \text{ cm}^3 - 50 \text{ cm}^3$$

$$V = 20 \text{ cm}^3$$

$$\textcircled{13} m = 2,4 \text{ kg} : 2 = 1,2 \text{ kg}$$