

## GRUPA C, D - rješenja

1. (a) 0,56 kg    (b) 83 cm<sup>3</sup>    (c) 2000  $\frac{kg}{m^3}$     (d) 175000 mm<sup>2</sup>  
 (e) 3,052 m    (f) 0,00129  $\frac{g}{cm^3}$     (g) 0,04 dm    (h) 0,000025 m<sup>2</sup>  
 (i) 0,000000324 m<sup>3</sup>    (j) 0,037 kg    (k) 2500000 cm<sup>3</sup>    (l) 4500 l

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

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$$n = l : l_1$$

$$n = 1200 \text{ m} : 0,75 \text{ m}$$

$$n = 1600 \text{ koraka}$$

3.  $n = 6$   
 $d = 9 \text{ mm}$   
 $d_1 = ?$

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$$d_1 = d : n$$

$$d_1 = 9 \text{ mm} : 6$$

$$d_1 = 1,5 \text{ mm}$$

4.  $d = 24 \text{ mm}$   
 $n = 184$

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$$d_1 = d : n$$

$$d_1 = 24 \text{ mm} : 184$$

$$d_1 = 0,13 \text{ mm}$$

5.  $l_1 = 80 \text{ cm}$   
 $n = 256$

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$$l = ?$$

$$l = n \cdot l_1$$

$$l = 256 \cdot 80 \text{ cm}$$

$$l = 20480 \text{ cm}$$

$$l = 204,8 \text{ m}$$

6.  $a = 67 \text{ dm}$   
 $b = 562 \text{ cm} = 56,2 \text{ dm}$

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$$A = ?$$

$$A = a \cdot b$$

$$A = 67 \text{ dm} \cdot 56,2 \text{ dm}$$

$$A = 3765,4 \text{ dm}^2$$

$$A = 37,654 \text{ m}^2$$

7.  $a = 2,3 \text{ dm}$   
 $A = ?$

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$$A = a \cdot a$$

$$A = 2,3 \text{ dm} \cdot 2,3 \text{ dm}$$

$$A = 5,29 \text{ dm}^2$$

8.  $A_1 = 16 \text{ cm}^2$   
 $a = 4,8 \text{ m}$   
 $b = 4 \text{ m}$

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$$n = ?$$

$$A = a \cdot b$$

$$A = 4,8 \text{ m} \cdot 4 \text{ m}$$

$$A = 19,2 \text{ m}^2 = 192000 \text{ cm}^2$$

$$n = A : A_1$$

$$n = 192000 \text{ cm}^2 : 16 \text{ cm}^2$$

$$n = 12000$$

9.  $a = 45 \text{ cm}$   
 $b = 340 \text{ mm} = 34 \text{ cm}$   
 $c = 1,35 \text{ m} = 135 \text{ cm}$

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$$V = ?$$

$$V = a \cdot b \cdot c$$

$$V = 45 \text{ cm} \cdot 34 \text{ cm} \cdot 135 \text{ cm}$$

$$V = 206550 \text{ cm}^3$$

10.  $m_1 = 200 \text{ g}$   
 $m_2 = 25 \text{ dag} = 250 \text{ g}$   
 $m_3 = 200 \text{ g}$   
 $m_4 = 5 \text{ g}$   
 $m_5 = 10 \text{ dag} = 100 \text{ g}$

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$$m = m_1 + m_2 + m_3 + m_4 + m_5$$

$$m = 200 \text{ g} + 250 \text{ g} + 200 \text{ g} + 5 \text{ g} + 100 \text{ g}$$

$$m = 755 \text{ g}$$

11.  $m = 156 \text{ g}$   
 $V = 20 \text{ cm}^3$

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$$\rho = ?$$

$$\rho = \frac{m}{V}$$

$$\rho = \frac{156 \text{ g}}{20 \text{ cm}^3}$$

$$\rho = 7,8 \frac{\text{g}}{\text{cm}^3}$$

12.  $m = 1,5 \text{ kg}$   
 $\rho = 1,293 \frac{\text{kg}}{\text{m}^3}$

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$$V = \frac{m}{\rho}$$

$$V = \frac{1,5 \text{ kg}}{1,293 \frac{\text{kg}}{\text{m}^3}}$$

$$V = 1,16 \text{ m}^3$$

13.  $V = 5 \text{ cm}^3$   
 $\rho = 10,5 \frac{\text{g}}{\text{cm}^3}$

$m = ?$

$m = \rho \cdot V$

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

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

14.  $A = 7 \text{ cm}^2$   
 $h = 12 \text{ cm}$

$V = A \cdot h$

$V = 7 \text{ cm}^2 \cdot 12 \text{ cm}$

$V = 84 \text{ cm}^3$

15.  $V_1 = 50 \text{ cm}^3$   
 $V_2 = 70 \text{ cm}^3$

$V = V_2 - V_1$

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

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

16.  $m(5 \text{ jabuka}) = 800 \text{ g}$   
 $m(1 \text{ jabuka}) = ?$

$m(1 \text{ jabuka}) = m(5 \text{ jabuka}) : 5$   
 $= 800 \text{ g} : 5$   
 $= 160 \text{ g}$

17.  $m = 1500 \text{ g}$   
 $m_1 = 12,5 \text{ dag} = 125 \text{ g}$

$m_{\text{ostataka}} = m - m_1$

$m_{\text{ostataka}} = 1500 \text{ g} - 125 \text{ g}$

$m_{\text{ostataka}} = 1375 \text{ g}$

18.  $C \rightarrow 4,2 \text{ cm}$