

Varianta 7

1. a) $0,7 = \frac{7}{10}$

b) $4,5 = \frac{45^{15}}{10} = \frac{9}{2}$

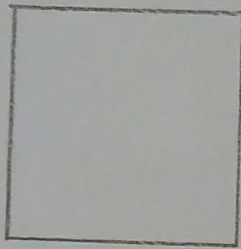
2. $5,2 \cdot 3,7 - 1,24 = 19,24 - 1,24 = 18$

3. $5,3 + x \leq 9,23$

$x \leq 9,23 - 5,3$

$x \leq 3,93 \quad | \Rightarrow \quad x = \{0, 1, 2, 3\}$
 $x \in \mathbb{N}$

4.



$0,3 \text{ dm} = 3 \text{ cm}$

$l = 0,3 \text{ dm}$

$P_{\square} = 4 \cdot l = 4 \cdot 0,3 = 1,2 \text{ dm}$

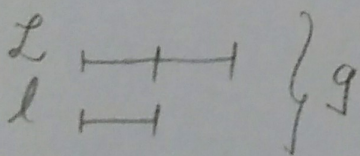
5. $3,29 \text{ dam}^2 + 0,12 \text{ km}^2 - 146 \text{ m}^2 = 3,29 \cdot 100 \text{ m}^2 + 0,12 \cdot 100^2 \text{ m}^2 - 146 \text{ m}^2 = 329 \text{ m}^2 + 0,12 \cdot 10000 \text{ m}^2 - 146 \text{ m}^2 = 329 \text{ m}^2 + 1200 \text{ m}^2 - 146 \text{ m}^2 = 1529 - 146 \text{ m}^2 = 1383 \text{ m}^2 = 1383 : 100 \text{ ar} = 13,83 \text{ ar}$

6. $L = 2 \cdot l$

$A_{\square} = ?$

$P_{\square} = 18 \text{ cm}$

$P_{\square} = 2 \cdot (L + l) \quad | \Rightarrow \quad 2(L + l) = 18 \Rightarrow L + l = 18 : 2 \Rightarrow L + l = 9$



$9 : 3 = 3 \text{ cm}(l)$

$2 \cdot 3 = 6 \text{ cm}(L)$

$A_{\square} = L \cdot l = 3 \cdot 6 = 18 \text{ cm}^2$

$$\begin{aligned}
 7. \quad & 1,75 \cdot [1,5^2 + 4 \cdot (3,02 - 4,28 : 2)] = \\
 & = 1,75 \cdot [2,25 + 4 \cdot (3,02 - 2,14)] = 1,75 \cdot (2,25 + 4 \cdot 0,88) = \\
 & = 1,75 \cdot (2,25 + 3,52) = 1,75 \cdot 5,77 = 10,0975
 \end{aligned}$$

8. • Este o greșeală de scriere la exercitiu

$$9. \quad l = 50 \text{ cm} =$$

$$1 \text{ m}^2 = 100 \text{ g vopsea}$$

$$A_{\text{fetei}} = l^2 = 50 \cdot 50 = 2500 \text{ cm}^2 = 2500 : 100^2 \text{ m}^2 = 0,25 \text{ m}^2$$

$$A_{\text{fetei cub}} = 6 \cdot A_{\text{fetei}} = 6 \cdot 0,25 \text{ m}^2 = 1,5 \text{ m}^2$$

$$1,5 \text{ m}^2 \cdot \frac{100 \text{ g}}{1 \text{ m}^2} = 150 \text{ g vopsea} = 150 : 1000 \text{ Kg} = 0,15 \text{ Kg vopsea}$$