

## Varianta 5

1.  $3,81 + 1,16 = 4,97$

2.  $x + 3,1 = 4,15$

$$x = 4,15 - 3,1$$

$$x = 1,05$$

3.  $1172 \text{ m} = 1172 : 1000 \text{ Km} = 1,172 \text{ Km}$

$$1,2 - 1,172 = 0,028 \text{ Km mai mult Ioana}$$

$$1,2 > 1,172 \Rightarrow \text{Ioana a mers mai mult pe jos}$$

4.  $5,7 ; 5,82 ; 6 ; 6,1 ; 6,24$

$$\begin{aligned} 5. \quad 39,7 \text{ m}^2 + 0,2 \text{ ari} - 65000 \text{ cm}^2 &= 39,7 \cdot 100 \text{ dm}^2 + 0,2 \cdot 100 \text{ m}^2 - \\ &- 65000 : 100 \text{ dm}^2 = 3970 \text{ dm}^2 + 20 \cdot 100 \text{ dm}^2 - 650 \text{ dm}^2 = \\ &= 3970 \text{ dm}^2 + 2000 \text{ dm}^2 - 650 \text{ dm}^2 = 5970 \text{ dm}^2 - 650 \text{ dm}^2 = \\ &= 5320 \text{ dm}^2 \end{aligned}$$

$$1 \text{ ar} = 100 \text{ m}^2$$

6.  $(a+b+c) : 3 = 2,4 \Rightarrow a+b+c = 2,4 \cdot 3 \Rightarrow \boxed{a+b+c = 7,2} \quad (1)$

$$(a+b) : 2 = 3,15 \Rightarrow a+b = 3,15 \cdot 2 \Rightarrow \boxed{a+b = 6,3} \quad (2)$$

$$\boxed{a = 2 \cdot b} \quad (3)$$

din relațiile (1) și (2)  $\Rightarrow 6,3 + c = 7,2 \Rightarrow c = 7,2 - 6,3 \Rightarrow$   
 $\Rightarrow \boxed{c = 0,9}$

din relațiile (2) și (3)  $\Rightarrow 2b + b = 6,3 \Rightarrow 3b = 6,3 \Rightarrow$   
 $\Rightarrow b = 6,3 : 3 \Rightarrow \boxed{b = 2,1}$

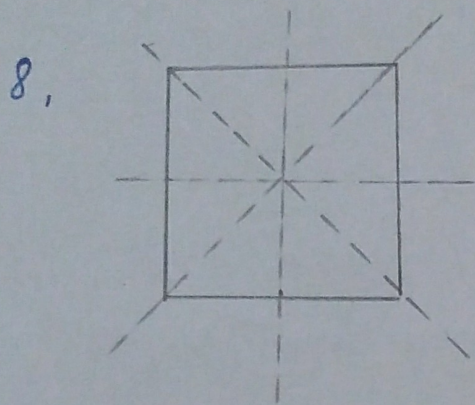
$$a = 2 \cdot b = 2 \cdot 2,1 = 4,2 \Rightarrow \boxed{a = 4,2}$$



$$7. \quad 3,2^2 : 1,6^2 + 2,7 \cdot (2 - 3 \cdot 0,5) = 10,24 : 2,56 + 2,7 \cdot (2 - 1,5) =$$

$$= (10,24 \cdot 100) : (2,56 \cdot 100) + 2,7 \cdot 0,5 = 1024 : 256 + 1,35 =$$

$$= 4 + 1,35 = 5,35$$



Pătratul are patru axe de simetrie.

9.  $L = 20 \text{ m}$

$$l = 1,5 \text{ dam} = 1,5 \cdot 10 \text{ m} = 15 \text{ m}$$

$$A_{\square} = L \cdot l = 20 \cdot 15 = 300 \text{ m}^2$$

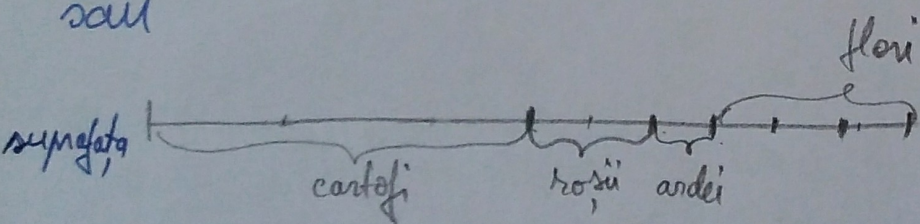
$$300 : 2 = 150 \text{ m}^2 \text{ (cartofi)}$$

$$(300 - 150) \cdot \frac{1}{3} = 150 \cdot \frac{1}{3} = 50 \text{ m}^2 \text{ (roșii)}$$

$$(300 - 150 - 50) \cdot \frac{1}{4} = 100 \cdot \frac{1}{4} = 25 \text{ m}^2 \text{ (ardei)}$$

$$300 - (150 + 50 + 25) = 300 - 225 = 75 \text{ m}^2 \text{ (flori)}$$

sau



$$300 \cdot \frac{3}{4} = 300 \cdot \frac{75}{100} = 75 \text{ m}^2 \text{ (flori)}$$