

$$15 : x = 72 : 6$$

$$x = \frac{\overset{5}{\cancel{15}} \cdot \overset{1}{\cancel{6}}}{\underset{\overset{1}{\cancel{72}}}{\cancel{72}}} = 15 \cdot 6 \cdot \overset{1}{\cancel{72}}$$

$$x = \frac{5}{5} = 5/5 = 1$$

$$x : y = 2 : 3$$

$$x + y = 40$$

$$(x + y) : x = (2 + 3) : 2$$

$$40 : x = 5 : 2$$

$$x = \frac{40 \cdot 2}{5} = 16$$

$$y = (x + y) - x = 40 - 16 = 24$$

$$x : y = 2 : 3$$

$$x + y = 40$$

$$(x + y) : y = (2 + 3) : 3$$

$$40 : y = 5 : 3$$

$$y = \frac{40 \cdot 3}{5} = 24$$

$$x = (x + y) - y = 40 - 24 = 16$$

$$x : y = 20 : 5$$

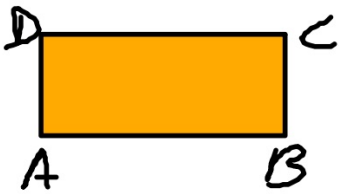
$$x + y = 100$$

$$(x + y) : x = (20 + 5) : 20$$

$$100 : x = 25 : 20$$

$$x = \frac{20 \cdot 100}{25} = 80$$

$$y = (x + y) - x = 100 - 80 = 20$$



$$\begin{array}{l|l} D & \\ \hline \overline{AP} = 84 \text{ cm} & \overline{AB} \\ \overline{AB} = \frac{3}{4} \overline{BC} & \overline{BC} \end{array}$$

$$\overline{AB} + \overline{BC} = \overline{AP} : 2 = 84 : 2 = 42 \text{ cm}$$

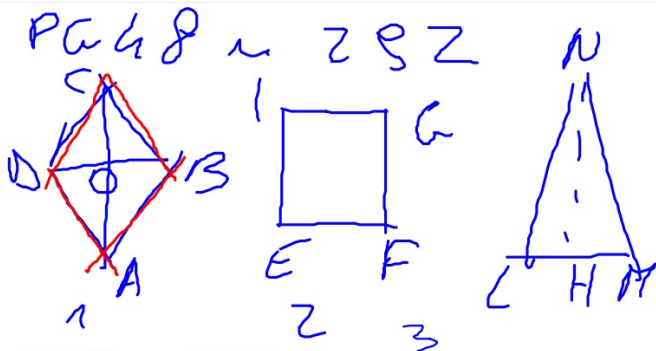
$$\overline{AB} : \overline{BC} = 3 : 4$$

$$(\overline{AB} + \overline{BC}) : \overline{AB} = (3 + 4) : 3$$

$$42 : \overline{AB} = 7 : 3$$

$$\overline{AB} = \frac{42 \cdot 3}{7} = 18 \text{ cm}$$

$$\overline{BC} = (\overline{AB} + \overline{BC}) - \overline{AB} = 42 - 18 = 24 \text{ cm}$$



$$CA = \frac{2}{5} BD$$

$$CA + BD = 56 \text{ cm}$$

$$MN \cong NL = 35 \text{ cm}$$

$$\angle P_3 \cong \angle P_2$$

$$NH = 28 \text{ cm}$$

$$EF = \frac{AC + BD}{2}$$

$$\overline{CA} : \overline{BD} = 2 : 5$$

$$(\overline{CA} + \overline{BD}) : \overline{CA} = (2 + 5) : 2$$

$$56 : \overline{CA} = 7 : 2$$

$$\overline{CA} = \frac{56 \cdot 2}{7} = 16 \text{ cm}$$

$$\overline{BD} = (\overline{AC} + \overline{BD}) - \overline{CA} = 56 - 16 = 40 \text{ cm}$$

$$A_1 = \frac{CA \cdot BD}{2} = \frac{16 \cdot 40}{2} = 320 \text{ cm}^2 = 3,2 \text{ dm}^2$$

$$EF = \frac{(AC + BD) : 2} = \frac{16 + 40}{2} = 28 \text{ cm}$$

$$2P_2 = \overline{EF} \cdot 4 = 28 \cdot 4 = 112 \text{ €}$$

$$2P_3 = 112 \text{ €}$$



$$LM = 2P_3 - (MN + LN) = 112 - 70 = 42 \text{ €}$$

$$A_3 = \frac{LM \cdot NH}{2} = \frac{42 \cdot 28}{2} = 282$$