

# UTRJEVANJE - PLOŠČINA in OBSEG

1) KVADRAT  
 $a = \frac{7}{5} \text{ cm}$   


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 $\sigma =$   
 $p =$

$$\sigma = 4 \cdot a$$

$$\sigma = 4 \cdot \frac{7}{5} = \frac{28}{5} = 5 \frac{3}{5} = \underline{\underline{5,6 \text{ cm}}}$$

$$p = a \cdot a$$

$$p = \frac{7}{5} \cdot \frac{7}{5} = \frac{49}{25} = 1 \frac{24}{25} = \underline{\underline{1,96 \text{ cm}^2}}$$

PRAVOKOTNIK

$$a = 15 \text{ dm}$$

$$b = 3 \frac{2}{5} \text{ dm}$$


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$$\sigma =$$

$$p =$$

$$\sigma = 2 \cdot a + 2 \cdot b$$

$$\sigma = 2 \cdot 15 + 2 \cdot 3 \frac{2}{5}$$

$$\sigma = 30 + \frac{2 \cdot 17}{5} = 30 + \frac{34}{5}$$

$$\sigma = 30 + 6 \frac{4}{5} = 36 \frac{4}{5} = \underline{\underline{36,8 \text{ dm}}}$$

$$p = a \cdot b$$

$$p = 15 \cdot \frac{17}{5} = 51$$

$$p = \underline{\underline{51 \text{ dm}^2}}$$

PRAVOKOTNIK

$$a = 56 \text{ dm}$$

$$p = 25,2 \text{ m}^2 = 2520 \text{ dm}^2$$


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$$b =$$

$$p = a \cdot b$$

$$b = p : a$$

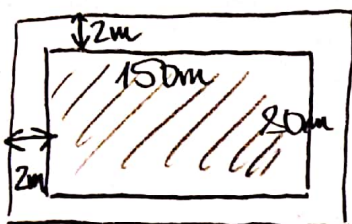
$$b = 2520 : 56$$

$$b = \underline{\underline{45 \text{ dm}}}$$

$$2520 : 56 = 45$$

$$\begin{array}{r} 2520 : 56 = 45 \\ 280 \\ \hline \end{array}$$

2)



$$p_1 = a_1 \cdot b_1$$

$$p_1 = 150 \cdot 80$$

$$p_1 = 12000 \text{ m}^2$$

$$p_2 = a_2 \cdot b_2$$

$$p_2 = 154 \cdot 84$$

$$p_2 = 12936 \text{ m}^2$$

$$154 \cdot 84$$

$$\begin{array}{r} 154 \cdot 84 \\ 1232 \\ 616 \\ \hline \end{array}$$

$$12936$$

$$p = p_2 - p_1 = 12936 - 12000$$

$$p = \underline{\underline{936 \text{ m}^2}}$$

3) KVADRAT  
 $a = 15 \text{ dm}$

$\sigma =$   
 $p =$

$\sigma = 4 \cdot a$        $p = a \cdot a$   
 $\sigma = 4 \cdot 15$        $p = 15 \cdot 15$   
 $\sigma = 60 \text{ dm}$        $p = 225 \text{ dm}^2$

PRAMOKOTNIK  
 $a = 1,2 \text{ m} = 12 \text{ dm}$   
 $p = 225 \text{ dm}^2$

$\sigma =$   
 $b =$

$b = p : a$   
 $b = 225 : 12$   
 $b = 18,75 \text{ dm}$

$225 : 12 = 18,75$   
 $\begin{array}{r} 105 \\ 90 \\ 60 \end{array}$

$\sigma = 2 \cdot a + 2 \cdot b$   
 $\sigma = 2 \cdot 12 + 2 \cdot 18,75$   
 $\sigma = 24 + 37,50$   
 $\sigma = 61,5 \text{ dm}$

$\frac{18,75 \cdot 2}{37,50}$

4) PARALELOGRAM

$a = 10,2 \text{ dm}$   
 $\sqrt{a} = 15,5 \text{ dm}$   
 $p =$

$p = a \cdot \sqrt{a}$   
 $p = 10,2 \cdot 15,5$   
 $p = 158,1 \text{ dm}^2$

$\frac{10,2 \cdot 15,5}{102}$   
 $\begin{array}{r} 510 \\ 510 \\ \hline 158,10 \end{array}$

PARALELOGRAM

$b = 12,5 \text{ cm}$   
 $p = 0,7 \text{ dm}^2 = 70 \text{ cm}^2$   
 $\sqrt{b} =$

$p = b \cdot \sqrt{b}$   
 $\sqrt{b} = p : b$   
 $\sqrt{b} = 70 : 12,5$   
 $\sqrt{b} = 5,6 \text{ cm}$

$700 : 125 = 5,6$   
 $\begin{array}{r} 700 \\ 750 \\ \hline \end{array}$

PARALELOGRAM

$a = 33 \text{ dm}$   
 $\sqrt{a} = 7,9 \text{ dm}$   
 $b = 3 \text{ m} = 30 \text{ dm}$   
 $p =$   
 $\sqrt{b} =$

$p = a \cdot \sqrt{a}$   
 $p = 33 \cdot 7,9$   
 $p = 260,7 \text{ dm}^2$

$\sqrt{b} = p : b$   
 $\sqrt{b} = 260,7 : 30$   
 $\sqrt{b} = 8,69 \text{ dm}$

$\frac{33 \cdot 7,9}{231}$   
 $\begin{array}{r} 231 \\ 297 \\ \hline 260,7 \end{array}$   
 $260,7 : 30 = 8,69$   
 $\begin{array}{r} 207 \\ 270 \\ \hline \end{array}$

ROMB

$\sqrt{a} = 1 \frac{1}{3} \text{ dm}$   
 $p = 4 \frac{2}{3} \text{ dm}$   
 $\sigma =$   
 $a =$

$a = p : \sqrt{a}$   
 $a = 4 \frac{2}{3} : 1 \frac{1}{3}$   
 $a = \frac{14,3 \cdot 1}{3 \cdot 4 \cdot 1} = \frac{14}{4} = 3 \frac{2}{4} = 3 \frac{1}{2} \text{ dm}$

$\sigma = 4 \cdot a$   
 $\sigma = 4 \cdot 3 \frac{1}{2}$   
 $\sigma = \frac{4 \cdot 7 \cdot 2}{2 \cdot 1}$   
 $\sigma = 14 \text{ dm}$

B) ROMB

$$\begin{aligned} a &= 27 \text{ cm} \\ \Delta a &= 18 \text{ cm} \end{aligned}$$

$$P =$$

$$P = a \cdot \Delta a$$

$$P = 27 \cdot 18$$

$$P = 486 \text{ cm}^2$$

$$\begin{array}{r} 27 \cdot 18 \\ \hline 27 \\ 216 \\ \hline 486 \end{array}$$

$$\begin{array}{r} 729 \\ - 486 \\ \hline 243 \end{array}$$

KVADRAT

$$a = 27 \text{ cm}$$

$$P =$$

$$P = a \cdot a$$

$$P = 27 \cdot 27$$

$$P = 729 \text{ cm}^2$$

$$\begin{array}{r} 27 \cdot 27 \\ \hline 54 \\ 189 \\ \hline 729 \end{array}$$

Vejo plošćino ima kvadrat  
za  $243 \text{ cm}^2$ .