

PREVERJANJE: PLOŠČINE, OBSEG

KVADRAT



$$\sigma = ?$$

$$p = ?$$

$$\sigma = 4 \cdot a$$

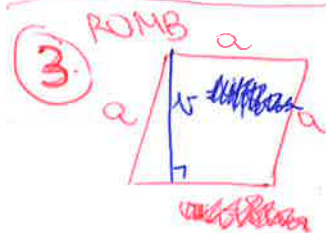
$$\sigma = 4 \cdot 4,5$$

$$\sigma = 18m$$

$$p = a \cdot a$$

$$p = 4,5 \cdot 4,5$$

$$p = 20,25m^2$$



$$p = 0,24dm^2 = 24cm^2$$

$$\sigma = 24cm \rightarrow \sigma = 4 \cdot a$$

$$v = ?$$

$$24 = 4 \cdot a$$

$$a = 24 : 4$$

$$a = 6cm$$

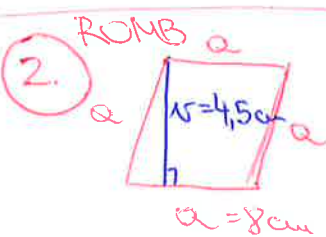
VIŠINO IZRAČUNAMO IZ PLOŠČINE:

$$p = a \cdot v$$

$$24 = 6 \cdot v$$

$$v = 24 : 6$$

$$v = 4cm$$



$$\sigma = ?$$

$$p = ?$$

$$\sigma = 4 \cdot a$$

$$\sigma = 4 \cdot 8$$

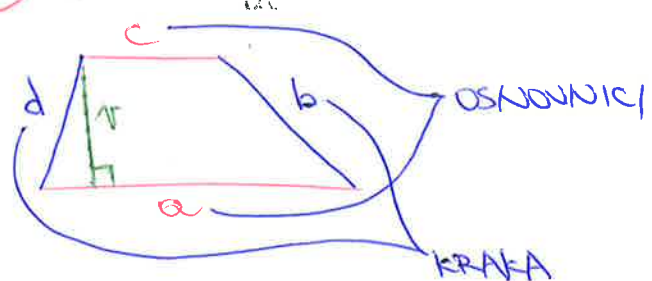
$$\sigma = 32cm$$

$$p = a \cdot v$$

$$p = 8 \cdot 4,5$$

$$p = 36cm^2$$

4. TRAPEZ



$$\frac{3}{5}m = \frac{6}{10}m = 0,6m = c = 6dm$$

$$0,8m = a = 8dm$$

$$v = 25dm$$

$$p = \frac{a+c}{2} \cdot v$$

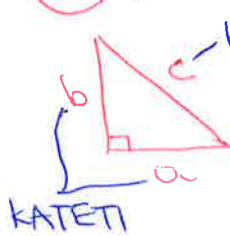
$$p = \frac{8+6}{2} \cdot 25$$

$$p = \frac{14}{2} \cdot 25$$

$$p = 7,5 \cdot 25$$

$$p = 175dm^2$$

5. PRAVOKOTNI TRIKOTNIK



$$0,7m = 7dm = a$$

$$24dm = b$$

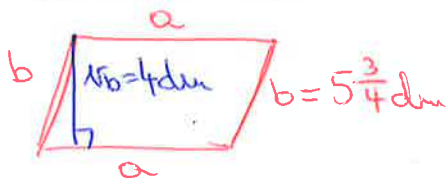
$$250cm = 25dm = c$$

a) $\sigma = a + b + c$
 $\sigma = 7 + 24 + 25$
 $\sigma = 56dm$

b) $P_{\Delta} = \frac{P_{\square}}{2} = \frac{a \cdot b}{2}$
 $P_{\Delta} = \frac{7 \cdot 24}{2}$
 $P_{\Delta} = 84dm^2$

c) $p = \frac{c \cdot v_c}{2}$
 $84 = \frac{25 \cdot v_c}{2}$
 $84 = 12,5 \cdot v_c$
 $v_c = 84 : 12,5$
 $v_c = 840 : 125$
 $v_c = 6,72dm$

6. PARALELOGRAM



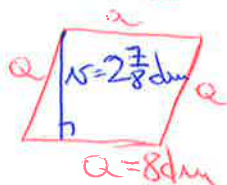
$$P_{\square} = b \cdot h_b$$

$$P = 5 \frac{3}{4} \cdot 4$$

$$P = \frac{23}{4} \cdot \frac{4}{1} \cdot 1$$

$$P = 23 \text{ dm}^2$$

ROMB



$$P_{\square} = a \cdot h$$

$$P = 8 \cdot 2 \frac{7}{8}$$

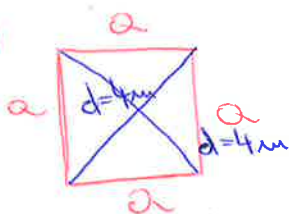
$$P = \frac{8}{1} \cdot \frac{23}{8} \cdot 1$$

$$P = 23 \text{ dm}^2$$

O: DA.

enako

7.



KVADRAT je štvrtok
s perpendikulárnými diagonálami,
žeby žij veľje formula

$$P = \frac{e \cdot f}{2}$$

$$P = \frac{e \cdot f}{2}$$

$$P = \frac{4 \cdot 4}{2 \cdot 1}$$

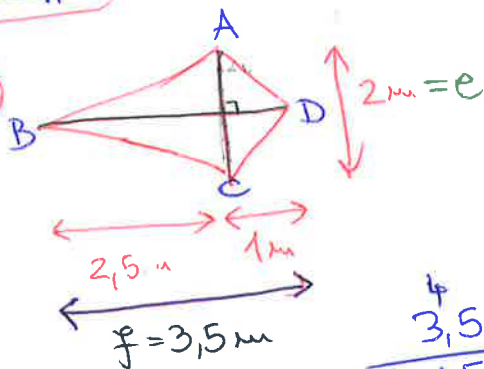
$$P = 8 \text{ m}^2$$

V KVADRATU STA
DIAGONALI ENAKO
DOLGI

za 1 m² ... 30 cebulic

Zerime me koliko m² imie greda!

9.



$$\begin{array}{r} 3,5 \cdot 90 \\ 3150 \\ \hline 315,0 \end{array}$$

$$P = \frac{e \cdot f}{2}$$

$$P = \frac{2 \cdot 3,5}{2}$$

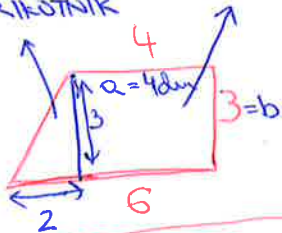
$$P = 3,5 \text{ m}^2$$

O: 315 cebulic.

10. a)

PRAVOKOTNI
TRIJKOTNIK

PRAVOKOTNIK



$$P = P_{\square} + P_{\Delta}$$

$$P = 12 + 3$$

$$P = 15 \text{ dm}^2$$

$$P_{\square} = a \cdot b$$

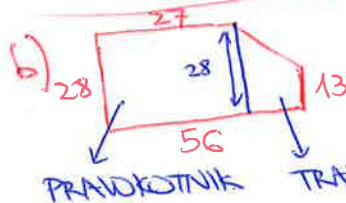
$$P_{\square} = 4 \cdot 3$$

$$P_{\square} = 12 \text{ dm}^2$$

$$P_{\Delta} = \frac{P_{\square}}{2} = \frac{a \cdot b}{2}$$

$$P_{\Delta} = \frac{2 \cdot 3}{2 \cdot 1}$$

$$P_{\Delta} = 3 \text{ dm}^2$$



$$P = P_{\square} + P_{\Delta}$$

$$P = 1350,5 \text{ dm}^2$$

$$P_{\square} = a \cdot b$$

$$P_{\square} = 27 \cdot 28$$

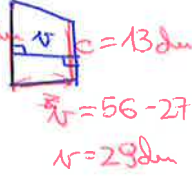
$$P_{\square} = 756 \text{ dm}^2$$

$$P_{\Delta} = \frac{a \cdot c}{2} \cdot h$$

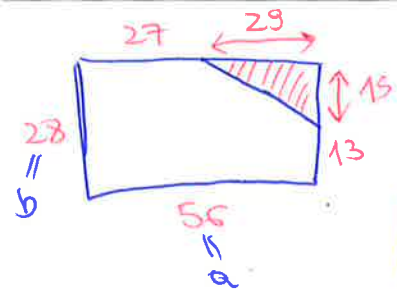
$$P_{\Delta} = \frac{28 + 13}{2} \cdot 29$$

$$P_{\Delta} = 20,5 \cdot 29$$

$$P_{\Delta} = 594,5 \text{ dm}^2$$



ALI



$$P = P_{\square} - P_{\triangle}$$

$$p = 1568 - 217,5$$

$$p = 1350,5 \text{ dm}^2$$

$$P_{\square} = 56 \cdot 28$$

$$P_{\square} = 1568 \text{ dm}^2$$

$$P_{\triangle} = \frac{a \cdot b}{2}$$

$$P_{\triangle} = \frac{29 \cdot 15}{2}$$

$$P_{\triangle} = 217,5 \text{ dm}^2$$