

Ime in priimek: Dani R.

Datum: 21.5

Točke, odstotki, ocena:

17,5	30
------	----

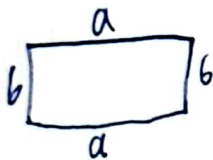
 58,3% (2)

0-49 %	50-59 %	60-79%	80-89%	90-100%
1	2	3	4	5

1. Izračunaj obseg in ploščino pravokotnika s stranicama

2,5	4
-----	---

$a = \frac{2}{5}m$ in $b = \frac{5}{6}m$.

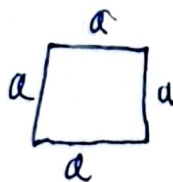


$O = 2 \cdot \frac{2}{5} + 2 \cdot \frac{5}{6} \checkmark$
 $O = \frac{4}{5} + \frac{10}{6} \checkmark$
 $O = \frac{4}{5} + \frac{5}{3} \checkmark$
 ~~$O = \frac{7}{10}m$~~
 $p = a \cdot b \checkmark$
 ~~$p = \frac{2}{5} \cdot \frac{5}{6} = \frac{2}{6} = \frac{1}{3}$~~
 ~~$p = \frac{2}{5} \cdot \frac{4}{2}$~~
 ~~$p = \frac{2}{10}m^2$~~

2. Obseg kvadrata meri 64cm koliko meri stranica a in

4	4
---	---

koliko je ploščina kvadrata?



$O = 4 \cdot a \checkmark$
 $64 = 4 \cdot a$
 $4 \cdot a = 64$
 $a = 16cm \checkmark$
 $p = a \cdot a \checkmark$
 $p = 16 \cdot 16$
 $p = 256cm^2 \checkmark$

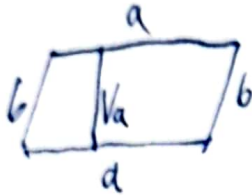
$64 : 4 = 16$
 $\begin{array}{r} 64 \\ - 4 \\ \hline 24 \\ - 24 \\ \hline 0 \end{array}$

$\begin{array}{r} 16 \cdot 16 \\ 16 \\ + 144 \\ \hline 256 \end{array}$

$$p = v_a \cdot a$$

3. Izračunaj obseg in ploščino paralelograma, če je $a=7\text{cm}$, $b=4\text{cm}$ in $v_a=2\text{cm}$.

4	4
---	---



$$O = 2 \cdot a + 2 \cdot b \quad \checkmark \quad p = v_a \cdot a \quad \checkmark$$

$$O = 2 \cdot 7 + 2 \cdot 4 \quad p = 2 \cdot 7$$

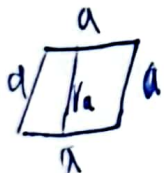
$$O = 14 + 8 \quad p = 14 \text{ cm}^2 \quad \checkmark$$

$$O = 22 \text{ cm} \quad \checkmark$$

$$\begin{array}{r} 14 \\ + 8 \\ \hline 22 \end{array}$$

4. Izračunaj dolžino stranice a in ploščino romba, če je $o=30\text{m}$ in $v_a=\frac{14}{3}\text{m}$.

1	4
---	---



$$O = 4 \cdot a \quad \checkmark \quad p = v_a \cdot a \quad \checkmark$$

$$30 = 4 \cdot a \quad p = \frac{14}{3} \cdot 61,5$$

$$4 \cdot a = 30$$

$$a = 61,5$$

$$p = \frac{934}{15}$$

$$\begin{array}{r} 8+8+8+8 \\ \diagup \quad \diagdown \quad \diagup \quad \diagdown \\ 16 \quad 16 \end{array}$$

$$\begin{array}{r} 30 : 4 = 61,5 \\ \underline{- 24} \\ 6 \\ \underline{- 4} \\ 20 \\ \underline{- 20} \\ 0 \end{array}$$

$$\begin{array}{r} 61,5 \cdot \frac{14}{3} \\ \hline 61,5 \cdot 4 = 246 \\ 61,5 \cdot \frac{14}{3} = 287 \\ \hline 246 + 287 = 533 \\ \hline 533 \end{array}$$

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

5. Izračunaj obseg in ploščino trikotnika, če je $a=12\text{dm}$, $b=11\text{dm}$, $c=8\text{dm}$ in $v_b=4\text{dm}$.

2,5 4



$$O = a + b + c \checkmark$$

$$O = 12 + 11 + 8$$

$$O = 23 + 8$$

$$O = 31\text{dm} \checkmark$$

~~$$p = \frac{a+c}{2}$$~~

~~$$p = \frac{12+8}{2 \cdot 1}$$~~

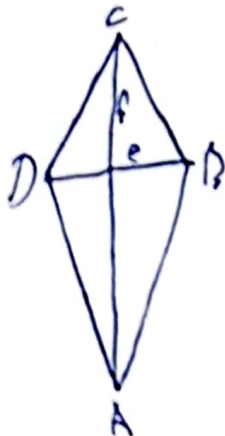
~~$$p = \frac{6+8}{1}$$~~

~~$$p = 14\text{dm}$$~~

$$\begin{array}{r} 23 \\ + 8 \\ \hline 31 \end{array}$$

6. Izračunaj diagonalo e deltoida s podatki $f=7\text{mm}$ in $p=28\text{mm}^2$.

0,5 2



$$p = \frac{e \cdot f}{2} \checkmark$$

~~$$p = \frac{28 \cdot 7}{2 \cdot 1}$$~~

~~$$p = \frac{14 \cdot 7}{1}$$~~

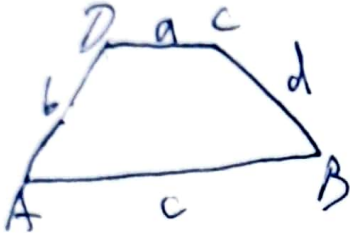
~~$$p = 98\text{mm}^2$$~~

$$\begin{array}{r} 28 : 2 = 14 \\ - 26 \\ \hline 8 \\ - 8 \\ \hline 0 \\ \hline 14 \cdot 7 \\ \hline 98 \end{array}$$

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

7. Izračunaj obseg in ploščino trapeza s podatki $a=6,8\text{cm}$, $b=9,6\text{cm}$, $c=3,2\text{cm}$, $d=8,4\text{cm}$, $v=6\text{cm}$.

2,5	4
-----	---



$$O = a + b + c + d \quad \checkmark$$

$$O = 6,8 + 9,6 + 3,2 + 8,4$$

$$O = 16,4 + 11,6$$

$$O = 28,0\text{cm} \quad \checkmark$$

$$p = 21,76 \quad \text{B}$$

$$p = 65,28\text{cm}^2$$

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

~~$$p = \frac{6,8+3,2}{2} \cdot 6 \cdot 3$$~~

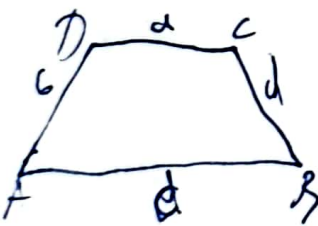
~~$$p = \frac{6,8 \cdot 3,2}{1} \cdot 3$$~~

$$\begin{array}{r} 6,8 \\ + 9,6 \\ \hline 16,4 \end{array}$$

$$\begin{array}{r} 8,4 \\ + 3,2 \\ \hline 11,6 \end{array} \quad \begin{array}{r} 6,8 \cdot 3,2 \\ \hline 20,4 \\ 11,6 + 13,6 \\ \hline 25,2 \end{array}$$

8. Izračunaj dolžino stranice a trapeza s podatki: $c=8\text{mm}$, $p=36\text{mm}^2$ in $v=3\text{mm}$.

0,5	4
-----	---



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

~~$$36 = \frac{a+8}{2} \cdot 3$$~~

~~$$\frac{a \cdot 8}{2 \cdot 1} : 3 = 36$$~~

~~$$a = \frac{3}{1} \cdot 1,5$$~~

~~$$a = 12,0\text{mm}$$~~

$$\begin{array}{r} 3 : 2 = 1,5 \\ \hline 10 \\ - 26 \\ \hline 10 \\ - 10 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1,5 \cdot 8 \\ \hline 12,0 \end{array}$$

Ime in priimek: Hidajta

Datum: 21.5

Točke, odstotki, ocena: 11 30

36,6% + prepisovala (1)

0-49 %	50-59 %	60-79%	80-89%	90-100%
1	2	3	4	5

1. Izračunaj obseg in ploščino pravokotnika s stranicama 1,5 4

$a = \frac{2}{5}m$ in $b = \frac{5}{6}m$.



$\sigma = 2 \cdot a + 2 \cdot b$ ✓

$\sigma = 2 \cdot \frac{2}{5} + 2 \cdot \frac{5}{6}$ ✓

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

~~$\sigma = 4 \cdot \frac{7}{30}$~~

$p = a \cdot b$ ✓

6
12
18
24
30

2. Obseg kvadrata meri 64cm koliko meri stranica a in 2,5 4
koliko je ploščina kvadrata?

$\sigma = 4 \cdot a$ ✓

$\sigma = 64$

$64 = 4a$

$4a = 64$

$\sigma = 64 : 4$

$\sigma = 16cm$ ✓

$p = a \cdot a = a^2$ ✓

$64 : 4 =$
 16

3. Izračunaj obseg in ploščino paralelograma, če je $a=7\text{cm}$, $b=4\text{cm}$ in $v_a=2\text{cm}$.

3,5	4
-----	---

$$O = 2 \cdot a + 2 \cdot b \quad \checkmark$$

$$O = ~~7+4~~ 7 \cdot 2 + 2 \cdot 4 \quad \checkmark$$

$$O = 14 + 8 \quad \checkmark$$

$$O = ~~24~~ \text{cm}$$

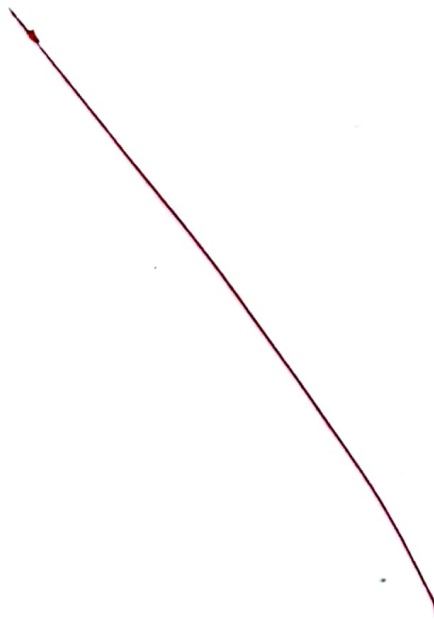
$$P = a \cdot v_a \quad \checkmark$$

$$P = ~~7~~ 2$$

$$P = 14 \text{cm}^2 \quad \checkmark$$

4. Izračunaj dolžino stranice a in ploščino romba, če je $o=30\text{m}$ in $v_a=\frac{14}{3}\text{m}$.

0	4
---	---



5. Izračunaj obseg in ploščino trikotnika, če je $a=12\text{dm}$, $b=11\text{dm}$, $c=8\text{dm}$ in $v_b=4\text{dm}$.

1,5	4
-----	---

$$\begin{aligned}
 &\cancel{a \cdot b \cdot c} \\
 &\sigma = 12 + 11 + 8 \checkmark \\
 &\sigma = \cancel{30\text{dm}} \\
 &\cancel{p = \frac{a \cdot b}{c}} \\
 &p = \frac{11 \cdot 4}{8} \\
 &\cancel{p = 16\text{dm}^2}
 \end{aligned}$$

6. Izračunaj diagonalo e deltoida s podatki $f=7\text{mm}$ in $p=28\text{mm}^2$.

0,5	2
-----	---



$$\begin{aligned}
 &\cancel{p \cdot e} \\
 &\cancel{e = \frac{p}{f}} \\
 &\cancel{e = 194\text{cm}}
 \end{aligned}$$

$$\begin{array}{r}
 28 \\
 \hline
 7 \\
 194
 \end{array}$$

7. Izračunaj obseg in ploščino trapeza s podatki $a=6,8\text{cm}$,

1,5 4

$b=9,6\text{cm}$, $c=3,2\text{cm}$, $d=8,4\text{cm}$, $v=6\text{cm}$.

$$\sigma = a + b + c + d \checkmark$$

$$\sigma = 6,8 + 9,6 + 3,2 + 8,4$$

$$\sigma = 28,0 \text{ cm} \checkmark$$

$$p = \frac{6,8}{2} + \frac{9,6}{2} + \frac{3,2}{2} + \frac{8,4}{2}$$

$$p = \frac{28,0}{2} + 6$$

$$p = 6 + \frac{28,0}{2}$$

$$\begin{array}{r} 6,8 \\ 9,6 \\ 3,2 \\ 8,4 \\ \hline 28,0 \end{array}$$

8. Izračunaj dolžino stranice a trapeza s podatki: $c=8\text{mm}$,

0 4

$p=36\text{mm}^2$ in $v=3\text{mm}$.

$$a = c + p + v$$

$$a = 8\text{mm} + 36\text{mm}^2 + 3\text{mm}$$

$$a = 47\text{mm}$$

OBSOLETE POSITIONS

stirikočnik

$$O = a + b + c + d$$

kvadrat

$$O = 4 \cdot a$$

$$P = a \cdot a = a^2$$

pravokotnik

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

$$P = a \cdot b$$

palogram

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

$$P = a \cdot V_a \quad P = b \cdot V_b$$

Romb

$$O = 4 \cdot a$$

$$P = a \cdot V_a$$

trikotnik

$$O = a + b + c$$

$$P \frac{a \cdot V_a}{2} = \frac{b \cdot V_b}{2} = \frac{c \cdot V_c}{2}$$

DELTOID

ROMB

KVADRAT

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

Trapez

$$O = a + b + c + d$$

$$S = \frac{a + c}{2}$$

$$P = S \cdot V = \frac{a + c}{2} \cdot V$$