Ime in priimek: ADIAN MUJAKIĆ

Datum: 24.4.2024

ZGN LJUBLJANA

Točke, odstotki, ocena: | 26 | 30 | 86,7 % | (4)

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

1. Izračunaj obseg in ploščino pravokotnika s stranicama $a=\frac{2}{3}$m in $b=\frac{11}{6}$m. | 3,5 | 4

$O=2\cdot a+2\cdot b$ ✓

$O=2\cdot\frac{2}{3}+2\cdot\frac{11}{6}$

$O=\frac{2}{1}\cdot\frac{2}{3}+\frac{2}{1}\cdot\frac{11}{6}$

$O=\frac{2\cdot 2}{1\cdot 3}+\frac{1\cdot 11}{1\cdot 3}$

$O=\frac{4}{3}+\frac{11}{3}$

$O=\frac{15}{3}$ m ✓ = 5m

$P=a\cdot b$ ✓

$P=\frac{2}{3}\cdot\frac{11}{6}$ 3

$P=\frac{1\cdot 11}{3\cdot 3}$

$P=\frac{11}{9}$ m$^2$ ✓

2. Obseg kvadrata meri 24cm koliko meri stranica a in koliko je ploščina kvadrata? | 4 | 4

$O=24$cm

$a=?$

$P=?$

$O=4\cdot a$ ✓

$24=4\cdot a$

$a=24:4$

$a=6$cm ✓

$P=a\cdot a$ ✓

$P=6\cdot 6$

$P=36$cm$^2$ ✓

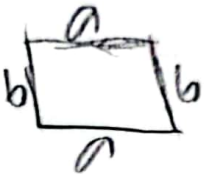
3. Izračunaj obseg in ploščino paralelograma, če je a=5cm, b=6cm in $v_b$=3cm.

| 4 | 4 |
|---|---|

$P = 6 \cdot v_b$ ✓

$P = 6 \cdot 3$

$P = 18cm^2$ ✓




$O = 2 \cdot a + 2 \cdot b$ ✓

$O = 2 \cdot 5 + 2 \cdot 6$

$O = 10 + 12$

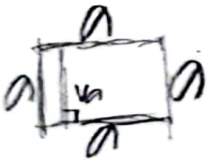
$O = 22cm$ ✓

4. Izračunaj dolžino stranice a in ploščino romba, če je o=32m in $v_a = \frac{15}{4}$ m.

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

$a = ?$

$P = ?$




$O = 4 \cdot a$ ✓

$a = 32 : 4$

$a = 8m$ ✓

$P = a \cdot v_a$ ✓

$P = 8 \cdot \frac{15}{4}$

$P = \frac{2\cancel{8}}{1} \cdot \frac{15}{\cancel{4}_1}$

$P = \frac{2 \cdot 15}{1 \cdot 1}$ $P = \frac{30}{1} m^2 = 30 m^2$ ✓

+1
15 · 2
30

5. Izračunaj obseg in ploščino trikotnika, če je a=14dm, b=9dm, c=18dm in $v_c$=3dm.

| 4 | 4 |
|---|---|

$O = a+b+c$ ✓

$O = 14+9+18$

$O = 41dm$ ✓

$P = \frac{c \cdot v_c}{2}$ ✓

$P = \frac{18 \cdot 3}{2}$

$P = \frac{54}{2}$

$P = 27dm^2$ ✓

18
14
+9
41

+2
18·3
54

54 : 2 = 27
−4
14
−14
0

6. Izračunaj diagonalo e deltoida s podatki f=9mm in $p=72mm^2$.

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

$P = \frac{e \cdot f}{2}$ ✓

$72 = \frac{e \cdot 9}{2}$ /.2

⋮

✗

7. Izračunaj obseg in ploščino trapeza s podatki a=7,8cm, b=10,6cm, c=4,2cm, d=9,4cm, v=7cm.

| 4 | 4 |
|---|---|

$O = a+b+c+d$ ✓

$O = 7{,}8 + 10{,}6 + 4{,}2 + 9{,}4$

$O = 32\,cm$ ✓

10,6
9,4
7,8
+4,2
32,0

$P = \frac{a+c}{2} \cdot v$ ✓

$P = \frac{7{,}8+4{,}2}{2} \cdot 7cm$

7,8
+4,2
12,0

$P = \frac{12}{2} \cdot 7cm$ $P = 6 \cdot 7$ $P = 42cm^2$ ✓

8. Izračunaj dolžino stranice a trapeza s podatki: c=12mm, $p=64mm^2$ in v=4mm.

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

$P = \frac{a+c}{2} \cdot v$ ✓ $P = s \cdot v$ ✓

$64mm^2 = \frac{a+12}{2} \cdot 4mm$ $64mm^2 = s \cdot 4$

$16 = \frac{a+12}{2} / \cdot 2$

$32 = \cancel{\ }$

$s = 64 : 4$

$s = 16mm$ ✓

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

Ime in priimek: DINO DURAKOVIĆ

Datum: 24.4.2024

Točke, odstotki, ocena: 17 | 30 56,7% (2)

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

1. Izračunaj obseg in ploščino pravokotnika s stranicama $a=\frac{2}{3}$m in $b=\frac{11}{6}$m. 1,5 | 4

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

$O = 2 \cdot \frac{2}{3} + 2 \cdot \frac{11}{6}$ ✓ $P = \frac{2}{3} \cdot \frac{11}{6}$

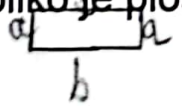
$O = \frac{4}{6} + \frac{22}{12}$

$O = \frac{26}{18} = 1\frac{8}{18}$m $P = \frac{22}{18} = 1\frac{4}{18}$m$^2$ $= 1\frac{2}{3}$ m$^2$

$+\frac{18}{18}$ $-\frac{36}{26}$

$\frac{}{36}$ $\frac{}{10}$

2. Obseg kvadrata meri 24cm koliko meri stranica a in koliko je ploščina kvadrata? 3,5 | 4



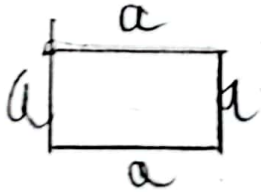

$a = 24 : 4 = 6$ ✓

$a = 6$cm ✓

$P = a \cdot a$ ✓

$P = 6 \cdot 6$cm

$P = 36$cm$^2$ ✓



3. Izračunaj obseg in ploščino paralelograma, če je a=5cm, b=6cm in $v_b$=3cm.

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

$O = 2 \cdot a + 2 \cdot b$ ✓

$O = 2 \cdot 5 + 2 \cdot 6$

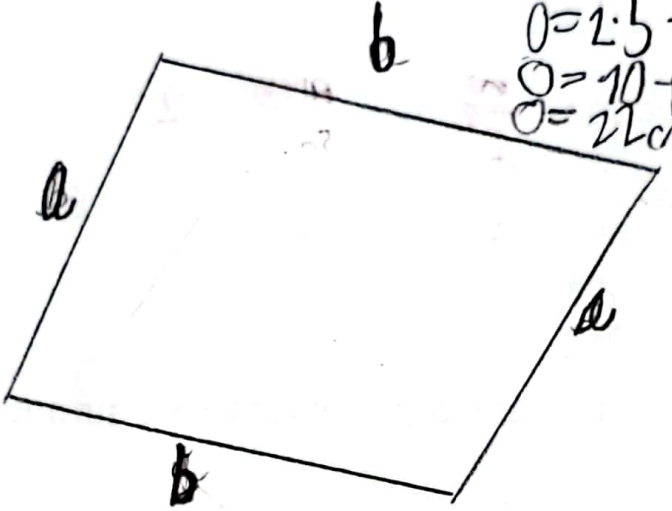
$O = 10 + 12$

$O = 22\,cm$ ✓

$p = b \cdot v_b$ ✓

$p = 6 \cdot 3$

$p = 18\,cm^2$ ✓




4. Izračunaj dolžino stranice a in ploščino romba, če je o=32m in $v_a = \frac{15}{4}$ m.

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

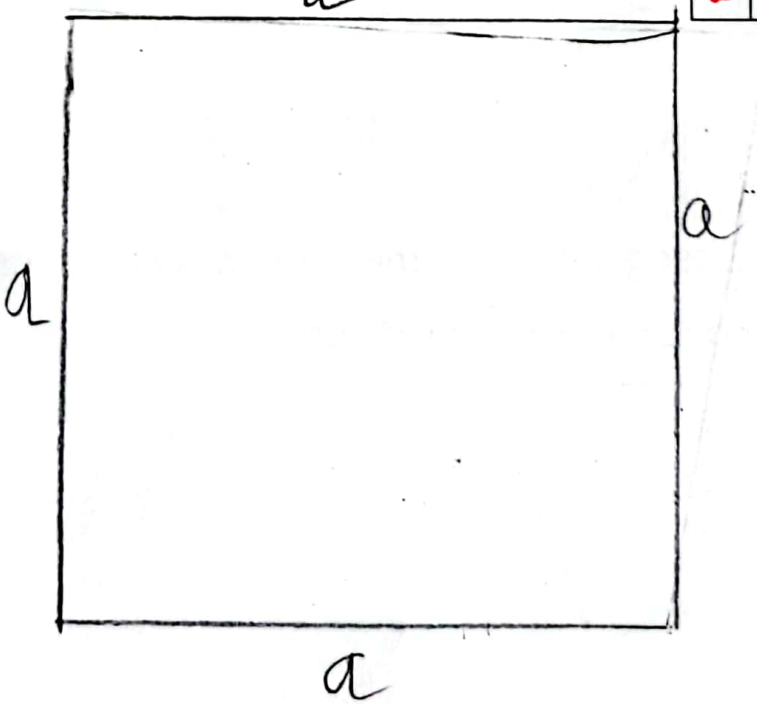
$a = 32 : 4 = 8\,m$ ✓

$a = 8\,m$ ✓

$p = a \cdot v_a$ ✓

$p = 8 \cdot \frac{15}{4}$ ✓

~~$p = \frac{120}{52}\,m$~~



5. Izračunaj obseg in ploščino trikotnika, če je a=14dm, b=9dm, c=18dm in $v_c$=3dm.

| 4 | 4 |
|---|---|

$O = a+b+c$ ✓

$O = 14+9+18\,dm$

$O = 41\,dm$ ✓

$p = c \cdot v_c$

$p = 18 \cdot \frac{3}{2}$ ✓

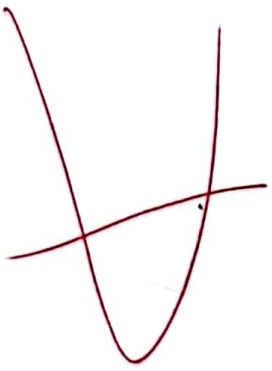
$p = \frac{18}{1} \cdot \frac{13}{2}$

$p = \frac{54}{2}$

$p = 27\,dm^2$ ✓


6. Izračunaj diagonalo e deltoida s podatki f=9mm in $p=72mm^2$.

| 0 | 2 |
|---|---|



7. Izračunaj obseg in ploščino trapeza s podatki a=7,8cm, b=10,6cm, c=4,2cm, d=9,4cm, v=7cm.

| 2 | 4 |
|---|---|

$o = 7,8 + 10,6 + 4,2 + 9,4$ ✓

$o = 32$ cm ✓

8. Izračunaj dolžino stranice a trapeza s podatki: c=12mm, $p=64mm^2$ in v=4mm.

| 0 | 4 |
|---|---|