

REŠITVE 4. TEDNA

1. DAN

KVIZ: Dolžinske enote in obsegi

Pretvori v zahtevano enoto. Za odgovor napiši le število.

$$60 \text{ m} = 6000 \text{ cm}$$

$$3400 \text{ cm} = 34 \text{ m}$$

500 cm = 50_____ dm

85 m = 85000 mm

$$76 \text{ cm} = 760 \text{ mm}$$

Pretvori v zahtevano enoto. Za odgovor napiši le število.

$$81\,100\text{ m} = 81,100\text{ km}$$

$$2,895 \text{ m} = 289,5 \text{ cm}$$

$$4,104 \text{ dm} = 41,04 \text{ cm}$$

$$446,9 \text{ cm} = 4,469 \text{ m}$$

$$0,3845 \text{ km} = 3845 \text{ dm}$$



Maja in Eva se radi obiskujeta. Hodita vsaka po svoji poti, ki vodi čez travnik. Maja pravi: "Jaz prehodim daljšo pot."

Eva pa trdi, da ona prehodi daljšo pot. Katera ima prav? Nobena.

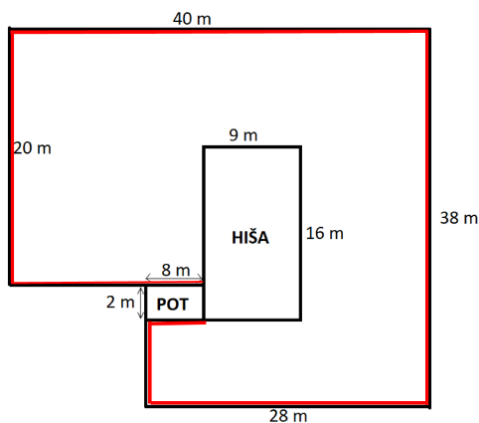
Maja	$16 \cdot 10 = 160$
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Eva. $16 \cdot 10 = 160$

Nobena.

Koliko metrov dolgo pot prehodi Maja, če ena stranica kvadratika meri 10 m?

Maja prehodi 160 m.



Na sliki je prikazano zemljišče družine Koren.

Zemljišče bi radi ogradili kot prikazuje rdeča črta.

Koliko metrov ograje potrebujejo?

$$20 + 40 + 38 + 28 + (38 - 20 - 2) + 8 + 8 + (40 - 28) = 126 + 16 + 16 + 12 = 170$$

Korenovi potrebujejo 170 m ograje.

2. DAN

OBSEG kvadrata in pravokotnik

1. REŠI V ZVEZEK:

1. Izmeri dolžino in širino platnice učbenika za matematiko.

a) Kateri lik predstavlja platnica učbenika?

Učbenik predstavlja PRAVOKOTNIK.

b) Izračunaj obseg platnice.

Handwritten student work for a rectangle problem. The title is "PRAVOKOTNIK". The dimensions are given as $a = 21 \text{ cm}$ and $b = 29,7 \text{ cm}$. The perimeter formula is written as $\sigma = 2 \cdot a + 2 \cdot b$. The calculation is shown as $\sigma = 2 \cdot 21 + 2 \cdot 29,7$, which simplifies to $\sigma = 42 + 59,4$, resulting in $\sigma = 101,4 \text{ cm}$. A diagram of a rectangle is drawn with vertices labeled A, B, C, and D. The top side is labeled 'a' and the right side is labeled 'b'.

2. Izmeri dolžino in širino platnice zbirke nalog za matematiko.

a) Kateri lik predstavlja platnica učbenika?

Zbirka nalog predstavlja KVADRAT.

b) Izračunaj obseg platnice.

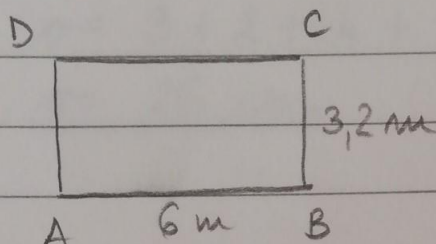
Handwritten student work for a square problem. The title is "KVADRAT". The side length is given as $a = 21 \text{ cm}$. The perimeter formula is written as $\sigma = a + a + a + a$, which simplifies to $\sigma = 4 \cdot a$. The calculation is shown as $\sigma = 21 \cdot 4$, resulting in $\sigma = 84 \text{ cm}$. A diagram of a square is drawn with vertices labeled A, B, C, and D. The top side is labeled 'a' and the right side is labeled 'a'.

1. REŠI NALOGE V UČBENIKU:

STR. 146/

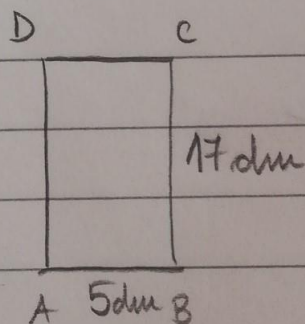
1. naloga

$$\begin{aligned} \text{a) } a &= 6 \text{ m} \\ b &= 3,2 \text{ m} \\ o &= ? \end{aligned}$$



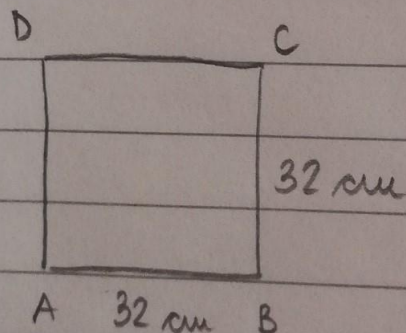
$$\begin{aligned} o &= 2 \cdot 6 + 2 \cdot 3,2 \\ o &= 12 + 6,4 \\ o &= \underline{\underline{18,4 \text{ m}}} \end{aligned}$$

$$\begin{aligned} \text{b) } a &= 5 \text{ dm} \\ b &= 17 \text{ dm} \\ o &= ? \end{aligned}$$



$$\begin{aligned} o &= 2 \cdot 5 + 2 \cdot 17 \\ o &= 10 + 34 \\ o &= 44 \text{ dm} \\ o &= \underline{\underline{4,4 \text{ m}}} \end{aligned}$$

$$\begin{aligned} \text{c) } a &= 32 \text{ cm} \\ o &= ? \end{aligned}$$



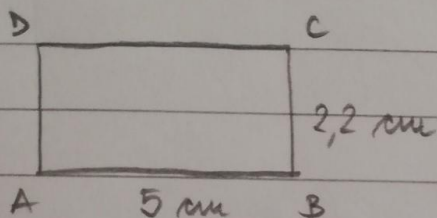
$$\begin{aligned} o &= 4 \cdot a \\ o &= 4 \cdot 32 \\ o &= 128 \text{ cm} \\ o &= \underline{\underline{1,28 \text{ m}}} \end{aligned}$$

a) PRAWOKOTNIK

$$a = 5 \text{ cm}$$

$$b = 2,2 \text{ cm}$$

$$\sigma = ?$$



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

$$\sigma = 2 \cdot 5 + 2 \cdot 2,2$$

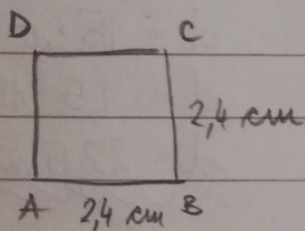
$$\sigma = 10 + 4,4$$

$$\sigma = \underline{\underline{14,4 \text{ cm}}}$$

b) KWADRAT

$$a = 2,4 \text{ cm}$$

$$\sigma = ?$$



$$\sigma = 4 \cdot a$$

$$\sigma = 2,4 \cdot 4$$

$$\sigma = \underline{\underline{9,6 \text{ cm}}}$$

3. zadanie

$$b) a = 3,8 \text{ dm}$$

$$b = 2,7 \text{ dm}$$

$$\sigma = ?$$

$$\sigma = 2 \cdot 3,8 + 2 \cdot 2,7$$

$$\sigma = 7,6 + 5,4$$

$$\sigma = \underline{\underline{13 \text{ dm}}}$$

$$c) a = 0,94 \text{ m} = 9,4 \text{ dm}$$

$$b = 4,3 \text{ dm}$$

$$\sigma = ?$$

$$\sigma = 2 \cdot 9,4 + 2 \cdot 4,3$$

$$\sigma = 18,8 + 8,6$$

$$\sigma = \underline{\underline{27,4 \text{ dm}}}$$

4. naloga

b) $a = 7,6 \text{ cm}$
 $\sigma = ?$

$$\sigma = 4 \cdot a$$
$$\sigma = 7,6 \cdot 4$$
$$\sigma = \underline{\underline{30,4 \text{ cm}}}$$

c) $a = 2,4 \text{ km}$
 $\sigma = ?$

$$\sigma = 4 \cdot a$$
$$\sigma = 2,4 \cdot 4$$
$$\sigma = \underline{\underline{9,6 \text{ km}}}$$

7. naloga

PRAVOKOTNIK

$a = 45 \text{ cm}$

$b = 30 \text{ cm}$

$\sigma = ?$

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

$\sigma = 2 \cdot 45 + 2 \cdot 30$

$\sigma = 90 + 60$

$\sigma = 150 \text{ cm}$

$d = 15 \cdot \sigma$

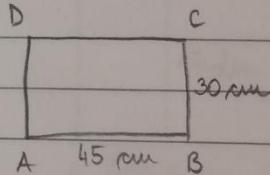
$d = 15 \cdot 15$

$d = 225 \text{ m}$

$15 \cdot 15$

$\frac{15}{75}$

$22,5$



$\sigma = 1,5 \text{ m} \rightarrow \boxed{\text{ZA 1 OKVIR}}$

$\boxed{\text{ZA 15 OKVIRJEV}}$

Mizar Miha mora naročiti 22,5 m
letvice za izdelavo 15 okvirjev.

8. naloga

KVADRAT

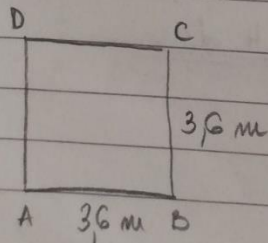
$a = 3,6 \text{ m}$

$\sigma = ?$

$\sigma = 4 \cdot a$

$\sigma = 3,6 \cdot 4$

$\sigma = \underline{\underline{14,4 \text{ m}}}$



Potrebovali bi najmanj 14,4 m ograje.

VAJA - indirektne naloge

1. REŠI V ZVEZEK:

UČBENIK/STR. 146/ 9. naloga; 10. naloga/primer a, c

U/str. 146

9. naloga

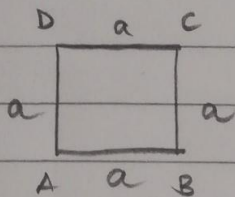
$$a) \sigma = 84 \text{ dm}$$

$$a = ?$$

$$a = \sigma : 4$$

$$a = 84 : 4$$

$$\underline{\underline{a = 21 \text{ dm}}}$$



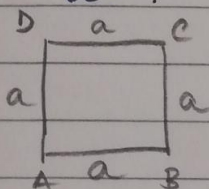
$$b) \sigma = 12 \text{ m } 56 \text{ cm} = 1256 \text{ cm}$$

$$a = ?$$

$$a = \sigma : 4$$

$$a = 1256 : 4$$

$$\underline{\underline{a = 314 \text{ cm}}}$$



$$1256 : 4 = 314$$

$$\begin{array}{r} 05 \\ 16 \\ 0 \text{ ost.} \end{array}$$

10. naloga

$$a) \sigma = 52 \text{ cm}$$

$$a = 17 \text{ cm}$$

$$b = ?$$

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

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

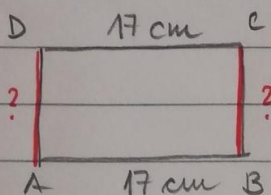
$$2 \cdot b = 52 - 2 \cdot 17$$

$$2 \cdot b = 52 - 34$$

$$2 \cdot b = 18$$

$$b = 18 : 2$$

$$\underline{\underline{b = 9 \text{ cm}}}$$



$$c) \sigma = 13,8 \text{ dm} = 138 \text{ cm}$$

$$a = 43 \text{ cm}$$

$$b = ?$$

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

$$2 \cdot b = 138 - 2 \cdot 43$$

$$2 \cdot b = 138 - 86$$

$$2 \cdot b = 52$$

$$b = 52 : 2$$

$$\underline{\underline{b = 26 \text{ cm}}}$$