

Ogledni primjeri riješenih zadataka:

14. Pretvorite u milimetre:

- a) 2 m 3 dm 1 cm
- b) 8 m 5 dm 7 cm
- c) 12 m 32 dm 18 cm
- d) 72 m 61 dm 13 cm
- e) 3 km 27 m 6 cm

Rj.

- a) 2 m 3 dm 1 cm možemo napisati kao $2\text{ m} + 3\text{ dm} + 1\text{ cm}$

$$2\text{ m} = 2 \cdot 1000\text{ mm} = 2\,000\text{ mm}$$

$$3\text{ dm} = 3 \cdot 100\text{ mm} = 300\text{ mm}$$

$$1\text{ cm} = 1 \cdot 10\text{ mm} = 10\text{ mm}$$

Sada možemo zapisati i izračunati:

$$\begin{aligned}2\text{ m } 3\text{ dm } 1\text{ cm} &= 2\text{ m} + 3\text{ dm} + 1\text{ cm} \\ &= 2\,000\text{ mm} + 300\text{ mm} + 10\text{ mm} \\ &= 2\,310\text{ mm}\end{aligned}$$

- b) $8\text{ m } 5\text{ dm } 7\text{ cm} = 8\text{ m} + 5\text{ dm} + 7\text{ cm}$

$$8\text{ m} = 8 \cdot 1\,000\text{ mm} = 8\,000\text{ mm}$$

$$5\text{ dm} = 5 \cdot 100\text{ mm} = 500\text{ mm}$$

$$7\text{ cm} = 7 \cdot 10\text{ mm} = 70\text{ mm}$$

$$\begin{aligned}8\text{ m } 5\text{ dm } 7\text{ cm} &= 8\text{ m} + 5\text{ dm} + 7\text{ cm} \\ &= 8\,000\text{ mm} + 500\text{ mm} + 70\text{ mm} \\ &= 8\,570\text{ mm}\end{aligned}$$

- c) $12\text{ m } 32\text{ dm } 18\text{ cm} = 12\text{ m} + 32\text{ dm} + 18\text{ cm}$

$$12\text{ m} = 12 \cdot 1\,000\text{ mm} = 12\,000\text{ mm}$$

$$32\text{ dm} = 32 \cdot 100\text{ mm} = 3\,200\text{ mm}$$

$$18\text{ cm} = 18 \cdot 10\text{ mm} = 180\text{ mm}$$

$$\begin{aligned}12\text{ m } 32\text{ dm } 18\text{ cm} &= 12\text{ m} + 32\text{ dm} + 18\text{ cm} \\ &= 12\,000\text{ mm} + 3\,200\text{ mm} + 180\text{ mm} \\ &= 15\,380\text{ mm}\end{aligned}$$



8. Izrazite u metrima kvadratnim:

a) $30\,000\text{ mm}^2$

e) $32\,785\text{ mm}^2$

b) $2\,814\text{ cm}^2$

f) 58 km^2

c) $0,2\text{ km}^2$

g) 421 dm^2

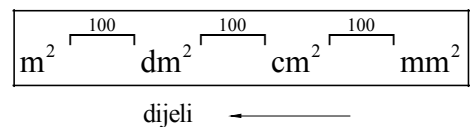
d) 25 dm^2

h) 813 cm^2

Rj.

a) $30\,000\text{ mm}^2 = \quad \text{m}^2$

Pravilo pretvaranja:

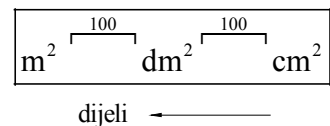


$$30\,000\text{ mm}^2 = 30\,000 : 1\,000\,000\text{ m}^2 = \frac{30\,000}{1\,000\,000}\text{ m}^2 =$$

$$= \frac{3}{100} = 0,03\text{ m}^2 = 3 \cdot 10^{-2}\text{ m}^2$$

b) $2\,814\text{ cm}^2 = \quad \text{m}^2$

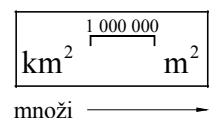
Pravilo pretvaranja:



$$2\,814\text{ cm}^2 = 2\,814 : 10\,000\text{ m}^2 = \frac{2\,814}{10\,000}\text{ m}^2 = 0,2814\text{ m}^2$$

c) $0,2\text{ km}^2 = \quad \text{m}^2$

Pravilo pretvaranja:

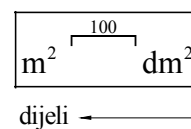


$$0,2\text{ km}^2 = 0,2 \cdot 1\,000\,000\text{ m}^2 = \frac{2}{10} \cdot 1\,000\,000\text{ m}^2 = 2 \cdot 100\,000\text{ m}^2 =$$

$$= 200\,000\text{ m}^2 = 2 \cdot 10^5\text{ m}^2$$

d) $25 \text{ dm}^2 = \quad \text{m}^2$

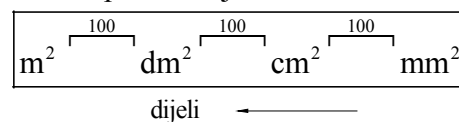
Pravilo pretvaranja:



$$25 \text{ dm}^2 = 25:100 \text{ m}^2 = \frac{25}{100} \text{ m}^2 = 0,25 \text{ m}^2$$

e) $32\,785 \text{ mm}^2 = \quad \text{m}^2$

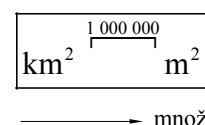
Pravilo pretvaranja:



$$32\,785 \text{ mm}^2 = 32\,785:1\,000\,000 \text{ m}^2 = \frac{32\,785}{1\,000\,000} \text{ m}^2 = 0,32\,785 \text{ m}^2$$

f) $58 \text{ km}^2 = \quad \text{m}^2$

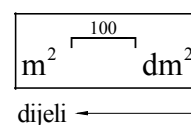
Pravilo pretvaranja:



$$58 \text{ km}^2 = 58 \cdot 1\,000\,000 \text{ m}^2 = 58\,000\,000 \text{ m}^2 = 5,8 \cdot 10^7 \text{ m}^2$$

g) $421 \text{ dm}^2 = \quad \text{m}^2$

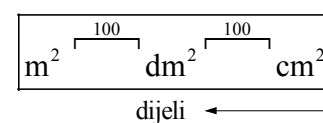
Pravilo pretvaranja:



$$421 \text{ dm}^2 = 421:100 \text{ m}^2 = \frac{421}{100} \text{ m}^2 = 4,21 \text{ m}^2$$

h) $813 \text{ cm}^2 = \quad \text{m}^2$

Pravilo pretvaranja:



$$813 \text{ cm}^2 = 813:10\,000 \text{ m}^2 = \frac{813}{10\,000} \text{ m}^2 = 0,0813 \text{ m}^2$$