

1. Zadani su skupovi

$$A = \{ a \in \mathbb{N}_0 \mid 5 \geq a \}$$

$$B = \{ b \in \mathbb{N} \mid 5 < b \leq 7 \}$$

a) Zapiši skupove nabranjem elemenata

b) Odredi $A \cap B$

c) Odredi $A \cup B$

d) Odredi sve podskupove skupa B

2. Izračunaj:

a) $5689 + 1234 =$ b) $3678 - 1297 =$

c) $321 \cdot 49 =$ d) $300 \cdot 201 =$

e) $89 \cdot 1000 =$ f) $9^2 =$

g) $10^5 =$ h) $28\,658/46 =$

i) $40\,515 : 9 =$ j) $2\,456\,000 : 200 =$

k) $28 + 25 \cdot 3 - 18 : 3 =$

l) $(58 - 24) \cdot 3 - 16 : (7 + 9) + 51 : (3 + 14) =$

m) $\{174 - [5 \cdot (52 - 13) - (19 + 6) \cdot 3]\} : 6 =$

3. Riješi jednačbe:

a) $x + 267 = 796$ b) $x - 703 = 567$

c) $72 \cdot x = 4\,536$ d) $\frac{x}{69} = 46$

e) $2x = 7.56$ f) $3.96 : x = 13.2$

4. Broj 14 napiši u obliku razlomka s:

a) brojnikom 70

b) nazivnikom 3

5. Napiši u obliku mješovitog broja.

a) $13.02 =$

c) $1.004 =$

b) $\frac{17}{4} =$

d) $\frac{52}{21} =$

6. Napiši u obliku razlomka.

a) $0.07 =$ e) $1\frac{9}{12} =$

b) $6\frac{3}{5} =$ g) $43.1 =$

c) $75\% =$ g) $0.04\% =$

d) $11 : 44 =$

7. Napiši u obliku decimalnog broja:

a) $\frac{9}{100} =$ e) $\frac{148}{10} =$

b) $8\% =$ f) $13.4\% =$

c) $4\frac{25}{1000} =$ g) $\frac{1}{4} =$

8. Napiši u obliku postotka:

a) $0.12 =$ d) $\frac{29}{100} =$

b) $14 =$ e) $\frac{3}{25} =$

c) $0.004 =$ f) $13 : 20 =$

9. Dopuni jednakosti da budu točne:

a) $\frac{\square}{48} = 2$

c) $\frac{4}{8} = \frac{\square}{72}$

b) $\frac{45}{\square} = \frac{5}{8}$

10. Zaokruži na najbliže: **POSTUPAK**

a) cijelo 415.23

b) desetinku 21. 672

b) na dvije decimale 123.3972

c) na tisućinku 0.0167

11. Izračunaj.

a) $67.28 + 14.96 =$ b) $8.24 - 2.318 =$

c) $504.7 \cdot 10 =$ d) $0.25 : 1\,000 =$

e) $3.23 \cdot 8.1 =$ f) $101.07/9 =$

g) $17.29 : 0.019 =$

h) $19.841 + 13.45 - 12.007 =$

i) $\frac{4}{25} + 12.06 - (3.01 + 1.789) =$

k) $12.44 + (7.39 - 2.8) : 0.9 =$

l) $\left(12 + \frac{3}{50}\right) : 1.2 + 1.67 \cdot 2.02 =$

12. Preračunaj.

a) $0.78\text{ m} = \underline{\hspace{2cm}}\text{ dam}$

b) $3.2\text{ t} = \underline{\hspace{2cm}}\text{ kg}$

c) $1.045\text{ dL} = \underline{\hspace{2cm}}\text{ L}$

d) $76.45\text{ kg} = \underline{\hspace{2cm}}\text{ dg}$

e) $5\text{ cm}^2 = \underline{\hspace{2cm}}\text{ mm}^2$

f) $0.00246\text{ m}^3 = \underline{\hspace{2cm}}\text{ cm}^3$

g) $2.6\text{ dm} = \underline{\hspace{2cm}}\text{ cm}$

h) $102\text{ mm}^2 = \underline{\hspace{2cm}}\text{ cm}^2$

i) $111' = \underline{\hspace{2cm}}^\circ$

j) $2.5^\circ = \underline{\hspace{2cm}}'$

13. Napiši vrstu kuta.

a) 267° _____

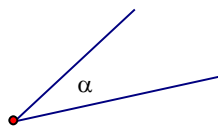
b) 90° _____

c) 360° _____

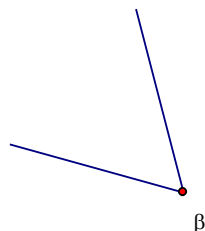
14. Kutomjerom **izmjeri** veličinu kuta i napiši **vrstu**

kuta:

a)



b)



15. Nacrtaj zadani kut i napiši **vrstu** kuta:

a) $\alpha = 97^\circ$

b) $\beta = 250^\circ$

16. Ako je $\beta = 128^\circ$ odredi **veličinu** njegovog:

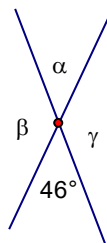
a) Sukuta

b) Vršnog kuta

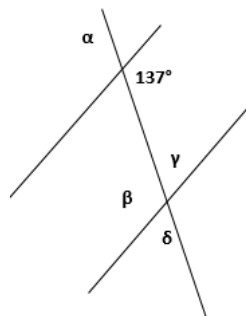
c) Suplementarnog kuta

17. Izračunaj kutove koji nedostaju:

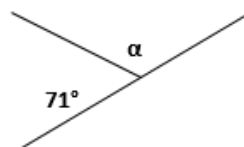
a)



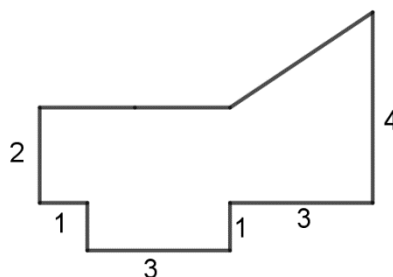
b)



c)



18. Izračunaj površinu lika sa slike.



19. Jedna stranica pravokutnika je **5m**, a druga **200 mm**. Kolika je površina pravokutnika?

20. Opseg jednakokraknog trokuta je **12.5 cm**, a duljina kraka **0.52 dm**. Kolika je duljina osnove?

21. Površina kvadrata je **81 m²**. Odredi opseg jednakostraničnog trokuta kojemu je stranica iste duljine kao stranica kvadrata.