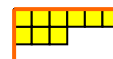
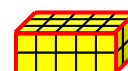
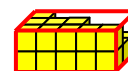
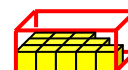
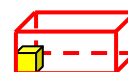


Zadaća - Kvadratne i kubične mjerne jedinice

1. a) Što je oplošje tijela?
b) U kojim mjernim jedinicama izražavamo oplošje? Nabroji od najveće do najmanje (možeš i kraticama).
2. a) Nacrtaj kvadratni decimetar. (Pokraj njega napiši da je to 1 dm^2 .)
b) Nacrtaj kvadratni centimetar. (Pokraj njega napiši da je to 1 cm^2 .)
c) Koji predmeti iz tvoje okoline imaju površinu oko 1 m^2 ? Napiši barem dva.
3. a) Napiši koliko kvadratni metar čega ima, $1 \text{ m}^2 = \dots$
b) Napiši koliko kvadratni decimetar čega ima, $1 \text{ dm}^2 = \dots$
c) Prepiši i dopuni: $1 \text{ cm}^2 = \dots \text{ mm}^2$
d) Prepiši i dopuni: $1 \text{ km}^2 = \dots \text{ m}^2$
4. Prepiši i dopuni rečenice:
a) Kad pretvaramo iz veće mjerne jedinice u manju, tada (množimo ili dijelimo?)
b) Kad pretvaramo iz manje mjerne jedinice u veću, tada (množimo ili dijelimo?)
5. Prepiši i dopuni:
a) $3.4 \text{ m}^2 = \dots \text{ dm}^2$
b) $3.4 \text{ dm}^2 = \dots \text{ m}^2$
c) $0.18 \text{ m}^2 = \dots \text{ mm}^2$
d) $10450 \text{ cm}^2 = \dots \text{ m}^2$
e) $18 \text{ m}^2 = \dots \text{ km}^2$
f) $32 \text{ cm}^2 = \dots \text{ mm}^2$
g) $0.3 \text{ m}^2 = \dots \text{ cm}^2$
h) $0.7 \text{ cm}^2 = \dots \text{ dm}^2$
i) $45.03 \text{ dm}^2 = \dots \text{ cm}^2$
6. a) Što je volumen tijela?
b) Koju još riječ možemo koristiti umjesto "volumen"?
c) Koje su mjerne jedinice za volumen (pazi, imamo dvije vrste!). Nabroji ih od najveće do najmanje (možeš i kraticama).
d) Koja je veza između kubičnih i litrenih mjernih jedinica? (Napiši koja jednakost vrijedi.)
7. a) Što je kubični metar?
b) Što je kubni decimetar?
c) Koji predmeti iz tvoje okoline imaju volumen oko dm^3 ? Navedi barem dva.
d) Koji predmeti iz tvoje okoline imaju volumen oko cm^3 ? Navedi barem dva.
8. a) Napiši koliko kubni metar čega ima, $1 \text{ m}^3 = \dots$
b) Napiši koliko kubni decimetar čega ima, $1 \text{ dm}^3 = \dots$
c) Prepiši i dopuni: $1 \text{ cm}^3 = \dots \text{ mm}^3$
d) Prepiši i dopuni: $1 \text{ km}^3 = \dots \text{ m}^3$
9. a) Napiši koliko litra čega ima, $1 \text{ l} = \dots$
b) Napiši koliko decilitar čega ima, $1 \text{ dl} = \dots$
c) Prepiši i dopuni: $1 \text{ hl} = \dots \text{ l}$
10. Prepiši i dopuni:
a) $6.7 \text{ dl} = \dots \text{ l}$
b) $6.7 \text{ dl} = \dots \text{ ml}$
c) $4900 \text{ ml} = \dots \text{ l}$
d) $4.8 \text{ hl} = \dots \text{ l}$
e) $3560 \text{ l} = \dots \text{ hl}$
f) $25.7 \text{ cm}^3 = \dots \text{ mm}^3$
g) $83 \text{ cm}^3 = \dots \text{ m}^3$
h) $0.7 \text{ dm}^3 = \dots \text{ cm}^3$
i) $0.7 \text{ dm}^3 = \dots \text{ mm}^3$
j) $6.4 \text{ cm}^3 = \dots \text{ dm}^3$
k) $1.9 \text{ l} = \dots \text{ dm}^3$
l) $4.8 \text{ l} = \dots \text{ cm}^3$
m) $5 \text{ m}^3 = \dots \text{ l}$
n) $2.9 \text{ hl} = \dots \text{ m}^3$
o) $7.2 \text{ mm}^3 = \dots \text{ ml}$



P = 18



V = 30

Rješenja:

1. a) Oplošje tijela je zbroj površina strana tijela. b) $\text{km}^2, \text{m}^2, \text{dm}^2, \text{cm}^2, \text{mm}^2$
2. a) (Treba nacrtati kvadrat čije su sve stranice duge 1 dm.)
b) (Treba nacrtati kvadrat čije su sve stranice duge 1 cm.)
3. a) $1 \text{ m}^2 = 100 \text{ dm}^2 = 10\,000 \text{ cm}^2 = 1\,000\,000 \text{ mm}^2$; b) $1 \text{ dm}^2 = 100 \text{ cm}^2 = 10\,000 \text{ mm}^2$;
c) $1 \text{ cm}^2 = \underline{100} \text{ mm}^2$; d) $1 \text{ km}^2 = \underline{1\,000\,000} \text{ m}^2$
4. a) Kad pretvaramo iz veće mjerne jedinice u manju, tada množimo.
b) Kad pretvaramo iz manje mjerne jedinice u veću, tada dijelimo.
5. a) $3.4 \text{ m}^2 = \underline{340} \text{ dm}^2$ d) $10450 \text{ cm}^2 = \underline{1.045} \text{ m}^2$ g) $0.3 \text{ m}^2 = \underline{3000} \text{ cm}^2$
b) $3.4 \text{ dm}^2 = \underline{0.034} \text{ m}^2$ e) $18 \text{ m}^2 = \underline{0.000\,018} \text{ km}^2$ h) $0.7 \text{ cm}^2 = \underline{0.007} \text{ dm}^2$
c) $0.18 \text{ m}^2 = \underline{180\,000} \text{ mm}^2$ f) $32 \text{ cm}^2 = \underline{3200} \text{ mm}^2$ i) $45.03 \text{ dm}^2 = \underline{4503} \text{ cm}^2$
6. a) Volumen je veličina unutrašnjosti tijela. b) obujam
c) $\text{km}^3, \text{m}^3, \text{dm}^3, \text{cm}^3, \text{mm}^3$; hl, l, dl, cl, ml d) $1 \text{ l} = 1 \text{ dm}^3$
7. a) Kubični metar je kocka čiji su svi bridovi dugi 1 m.
b) Kubni decimetar je kocka čiji su svi bridovi dugi 1 dm.
8. a) $1 \text{ m}^3 = 1000 \text{ dm}^3 = 1\,000\,000 \text{ cm}^3 = 1\,000\,000\,000 \text{ mm}^3$; b) $1 \text{ dm}^3 = 1000 \text{ cm}^3 = 1\,000\,000 \text{ mm}^3$
c) $1 \text{ cm}^3 = \underline{1000} \text{ mm}^3$; d) $1 \text{ km}^3 = \underline{1\,000\,000\,000} \text{ m}^3$
9. a) $1 \text{ l} = 10 \text{ dl} = 100 \text{ cl} = 1000 \text{ ml}$ b) $1 \text{ dl} = 10 \text{ cl} = 100 \text{ ml}$ c) $1 \text{ hl} = \underline{100} \text{ l}$
10. a) $6.7 \text{ dl} = \underline{0.67} \text{ l}$ f) $25.7 \text{ cm}^3 = \underline{25\,700} \text{ mm}^3$ k) $1.9 \text{ l} = \underline{1.9} \text{ dm}^3$
b) $6.7 \text{ dl} = \underline{670} \text{ ml}$ g) $83 \text{ cm}^3 = \underline{0.000\,083} \text{ m}^3$ l) $4.8 \text{ l} = \underline{4800} \text{ cm}^3$
c) $4900 \text{ ml} = \underline{4.9} \text{ l}$ h) $0.7 \text{ dm}^3 = \underline{700} \text{ cm}^3$ m) $5 \text{ m}^3 = \underline{5\,000} \text{ l}$
d) $4.8 \text{ hl} = \underline{480} \text{ l}$ i) $0.7 \text{ dm}^3 = \underline{700\,000} \text{ mm}^3$ n) $2.9 \text{ hl} = \underline{0.29} \text{ m}^3$
e) $3560 \text{ l} = \underline{35.6} \text{ hl}$ j) $6.4 \text{ cm}^3 = \underline{0.006\,4} \text{ dm}^3$ o) $7.2 \text{ mm}^3 = \underline{0.0072} \text{ ml}$

Rješenja:

1. a) Oplošje tijela je zbroj površina strana tijela. b) $\text{km}^2, \text{m}^2, \text{dm}^2, \text{cm}^2, \text{mm}^2$
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b) (Treba nacrtati kvadrat čije su sve stranice duge 1 cm.)
3. a) $1 \text{ m}^2 = 100 \text{ dm}^2 = 10\,000 \text{ cm}^2 = 1\,000\,000 \text{ mm}^2$; b) $1 \text{ dm}^2 = 100 \text{ cm}^2 = 10\,000 \text{ mm}^2$;
c) $1 \text{ cm}^2 = \underline{100} \text{ mm}^2$; d) $1 \text{ km}^2 = \underline{1\,000\,000} \text{ m}^2$
4. a) Kad pretvaramo iz veće mjerne jedinice u manju, tada množimo.
b) Kad pretvaramo iz manje mjerne jedinice u veću, tada dijelimo.
5. a) $3.4 \text{ m}^2 = \underline{340} \text{ dm}^2$ d) $10450 \text{ cm}^2 = \underline{1.045} \text{ m}^2$ g) $0.3 \text{ m}^2 = \underline{3000} \text{ cm}^2$
b) $3.4 \text{ dm}^2 = \underline{0.034} \text{ m}^2$ e) $18 \text{ m}^2 = \underline{0.000\,018} \text{ km}^2$ h) $0.7 \text{ cm}^2 = \underline{0.007} \text{ dm}^2$
c) $0.18 \text{ m}^2 = \underline{180\,000} \text{ mm}^2$ f) $32 \text{ cm}^2 = \underline{3200} \text{ mm}^2$ i) $45.03 \text{ dm}^2 = \underline{4503} \text{ cm}^2$
6. a) Volumen je veličina unutrašnjosti tijela. b) obujam
c) $\text{km}^3, \text{m}^3, \text{dm}^3, \text{cm}^3, \text{mm}^3$; hl, l, dl, cl, ml d) $1 \text{ l} = 1 \text{ dm}^3$
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8. a) $1 \text{ m}^3 = 1000 \text{ dm}^3 = 1\,000\,000 \text{ cm}^3 = 1\,000\,000\,000 \text{ mm}^3$; b) $1 \text{ dm}^3 = 1000 \text{ cm}^3 = 1\,000\,000 \text{ mm}^3$
c) $1 \text{ cm}^3 = \underline{1000} \text{ mm}^3$; d) $1 \text{ km}^3 = \underline{1\,000\,000\,000} \text{ m}^3$
9. a) $1 \text{ l} = 10 \text{ dl} = 100 \text{ cl} = 1000 \text{ ml}$ b) $1 \text{ dl} = 10 \text{ cl} = 100 \text{ ml}$ c) $1 \text{ hl} = \underline{100} \text{ l}$
10. a) $6.7 \text{ dl} = \underline{0.67} \text{ l}$ f) $25.7 \text{ cm}^3 = \underline{25\,700} \text{ mm}^3$ k) $1.9 \text{ l} = \underline{1.9} \text{ dm}^3$
b) $6.7 \text{ dl} = \underline{670} \text{ ml}$ g) $83 \text{ cm}^3 = \underline{0.000\,083} \text{ m}^3$ l) $4.8 \text{ l} = \underline{4800} \text{ cm}^3$
c) $4900 \text{ ml} = \underline{4.9} \text{ l}$ h) $0.7 \text{ dm}^3 = \underline{700} \text{ cm}^3$ m) $5 \text{ m}^3 = \underline{5\,000} \text{ l}$
d) $4.8 \text{ hl} = \underline{480} \text{ l}$ i) $0.7 \text{ dm}^3 = \underline{700\,000} \text{ mm}^3$ n) $2.9 \text{ hl} = \underline{0.29} \text{ m}^3$
e) $3560 \text{ l} = \underline{35.6} \text{ hl}$ j) $6.4 \text{ cm}^3 = \underline{0.006\,4} \text{ dm}^3$ o) $7.2 \text{ mm}^3 = \underline{0.0072} \text{ ml}$

