

Mjerenje površine i volumena

Ovo je materijal za pano.

Na prvom je papiru prikazano kako mjerimo površinu, odnosno koji je smisao mjernih jedinica za površinu, konkretno u ovom slučaju, kvadratnog centimetra.

Na drugom je papiru prikazano kako mjerimo volumen, odnosno koji je smisao mjernih jedinica za volumen, a u ovom konkretnom slučaju, kubičnog centimetra.

Napravljeno je nekoliko varijanti drugog papira (s neznatnim razlikama u bojama), a budući da se nisam mogla odlučiti koja mi je varijanta najbolja, objavljujem sve, pa neka si svatko isprinta koju želi.

Ovo je pogodno staviti na pano kad u 8. razredu radimo geometrijska tijela, odnosno kad pojašnjavamo što je volumen, koje su mjerne jedinice za njega i kako se pomoću njih izražava volumen.

Tada je dobro povući paralelu s time kako se mjeri površina, koje su mjerne jedinice za nju i koje je značenje površine izražene pomoću tih mjernih jedinica.

A budući da je oplošje zapravo zbroj površina, ovdje pogotovo ima smisla prisjetiti se smisla površine i njezinih mjernih jedinica...

Antonija Horvatek

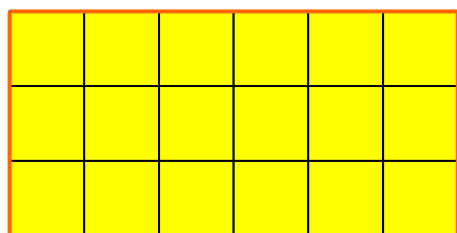
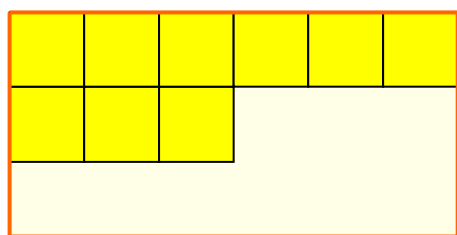
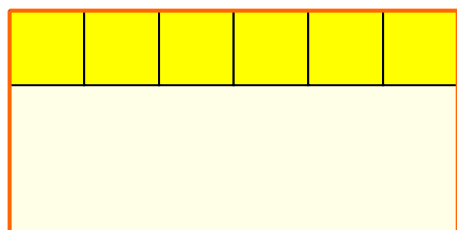
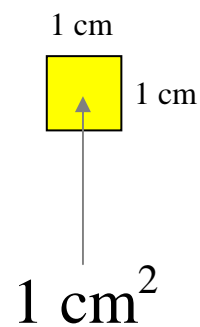
Matematika na dlanu

<http://www.antonija-horvatek.from.hr/>

Mjerenje površine

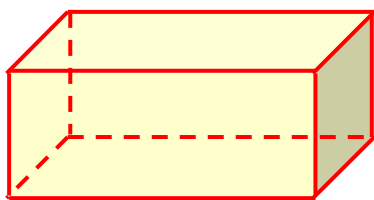


P = ?

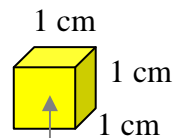


P = 18 cm²

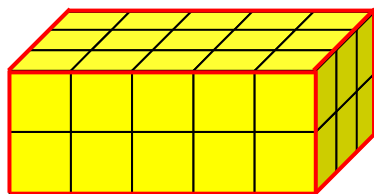
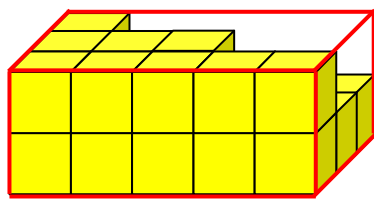
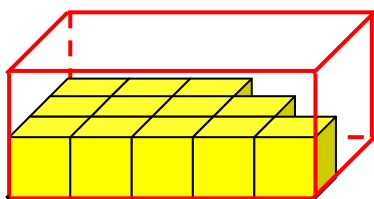
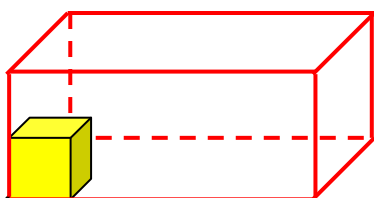
Mjerenje volumena



$$V = ?$$

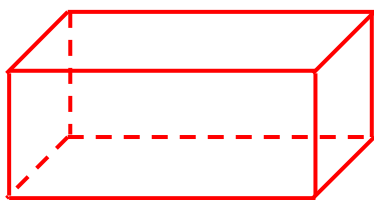


$$1 \text{ cm}^3$$

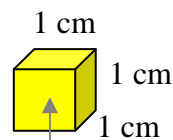


$$V = 30 \text{ cm}^3$$

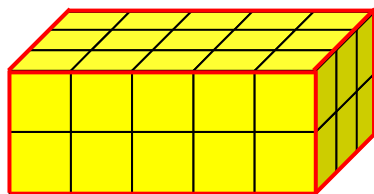
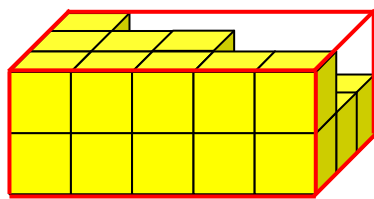
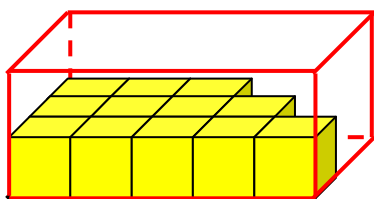
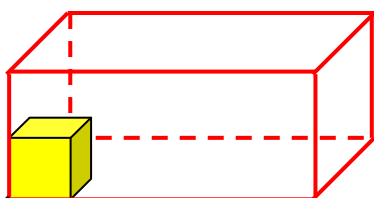
Mjerenje volumena



$$V = ?$$

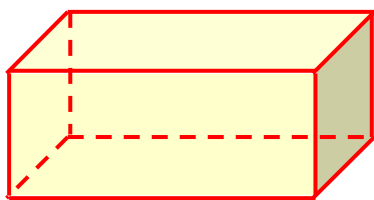


$$1 \text{ cm}^3$$

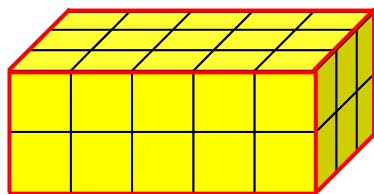
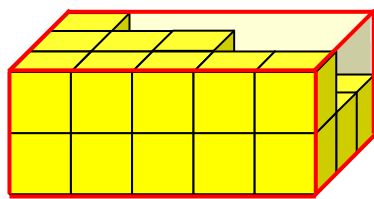
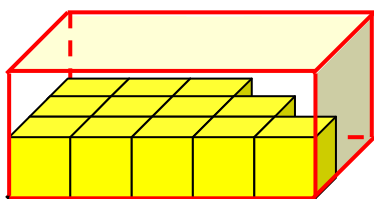
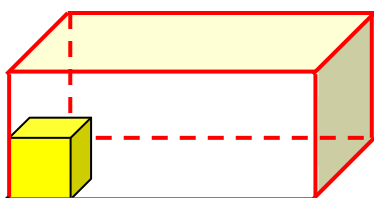
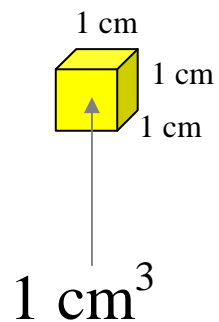


$$V = 30 \text{ cm}^3$$

Mjerenje volumena



$$V = ?$$



$$V = 30 \text{ cm}^3$$