**Prizme**

***V = a · b · c***

***O = 2ab + 2ac + 2bc***

****

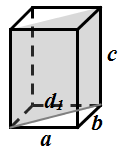
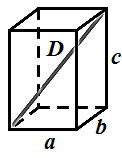
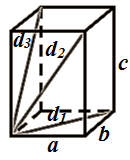
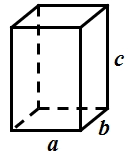
****

****

****

***PDP = d1 · c***

**kvadar**



***V = B · v***

****

***O = 2B + P***

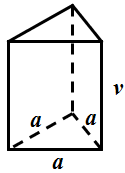
****

****

***P1 = a · v***

***P = 3av***

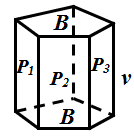
**pravilna trostrana prizma**



***V = B · v***

***O = 2B + P***

***P = P1 + P2 + P3 + ...***



**Općenito (bilo koja) prizma**

**Oznake**:

V – volumen (obujam),

O – oplošje,

v - visina tijela,

D – duljina prostorne dijagonale,

d, d1, d2, ... - duljine plošnih dijagonala,

B - površina baze,

P - površina pobočja (kod uglatih tijela) ili

površina plašta (kod oblih tijela),

P1, P2, ... - površine pobočki (bočnih strana),

PDP - površina dijagonalnog presjeka (kod

uglatih tijela),

POP - površina osnog presjeka (kod oblih

tijela)

***V = B · v***

***O = 2B + P***

***V = a2 · v***

***O = 2a2 + 4av***

***B = a2***

***P1 = a · v***

***P = 4av***

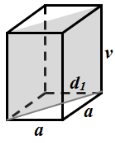
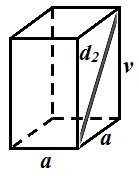
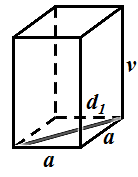
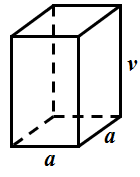
****

****

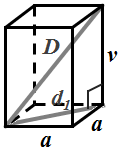
****

***PDP = d1 · v***

**pravilna četverostrana prizma**



****



***V = B · v***

****

***O = 2B + P***

****

****

***P1 = a · v***

***P = 6av***

****

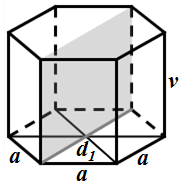
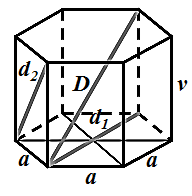
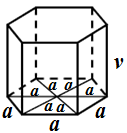
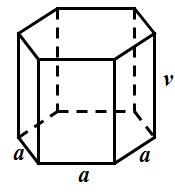
***d1 = 2a***

****

****

***PDP = d1 · v***

**pravilna šesterostrana prizma**



***V = a3***

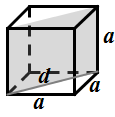
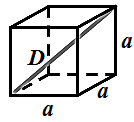
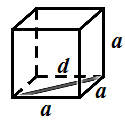
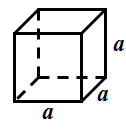
***O = 6a2***

****

****

***PDP = d · a***

**kocka**



**Obla tijela**

****

****

**kugla**



***V = B · v***

****

***O = 2B + P***

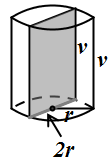
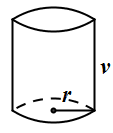
****

****

****

****

**valjak**



****

****

****

****

***O = B + P***

****

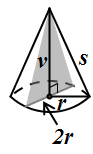
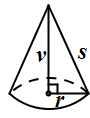
****

****

******

****

**stožac**



******

***O = B + P***

***O = a2 + 2 ∙ a ∙ v2***

***B = a2***

***P = 2 ∙ a ∙ v2***

****

****

****

****

****

****

****

****

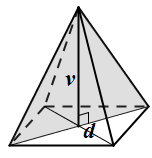
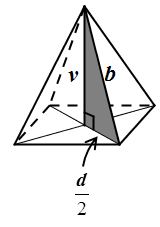
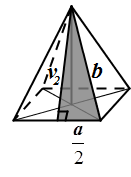
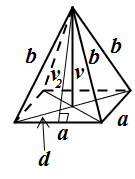
****

****

****

****

**pravilna četverostrana piramida**



******

******

***O = B + P***

****

***d = 2a***

******

******

****

****

****

****

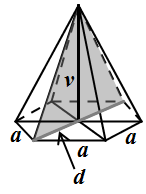
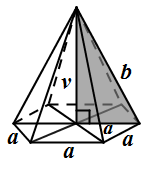
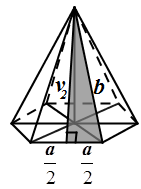
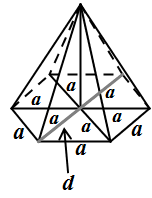
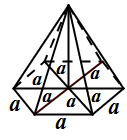
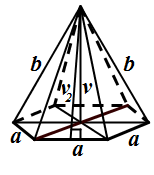
****

****

****

****

**pravilna šesterostrana piramida**



******

******

***O = B + P***

******

****

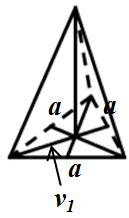
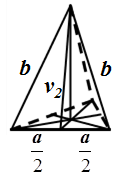
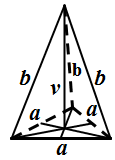
****

****

****

****

**pravilna trostrana piramida**



******

**Oznake**:

V – volumen (obujam),

O – oplošje,

v - visina tijela,

D – duljina prostorne dijagonale,

d, d1, d2, ... - duljine plošnih dijagonala,

B - površina baze,

P - površina pobočja (kod uglatih tijela) ili

površina plašta (kod oblih tijela),

P1, P2, ... - površine pobočki (bočnih strana)

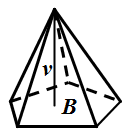
PDP - površina dijagonalnog presjeka

******

***O = B + P***

***P = P1 + P2 + P3 + ...***

**Općenito (bilo koja) piramida**



**Piramide**