**Prizme**

***V = a · b · c***

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

****

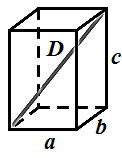
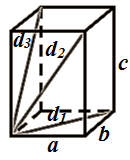
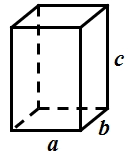
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***PDP = d1 · c***

**kvadar**



***V = B · v***

****

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

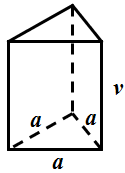
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***P1 = a · v***

***P = 3av***

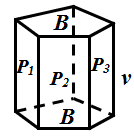
**pravilna trostrana prizma**



***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***

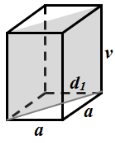
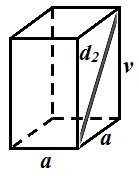
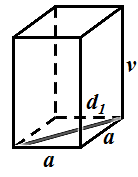
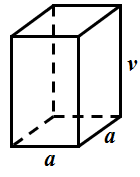
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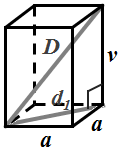
****

***PDP = d1 · v***

**pravilna četverostrana prizma**



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***V = B · v***

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

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***P1 = a · v***

***P = 6av***

****

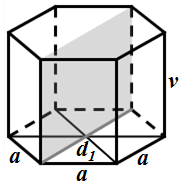
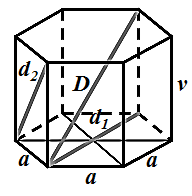
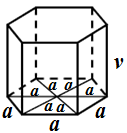
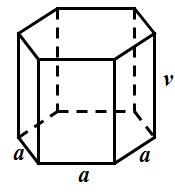
***d1 = 2a***

****

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***PDP = d1 · v***

**pravilna šesterostrana prizma**



***V = a3***

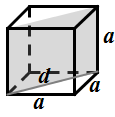
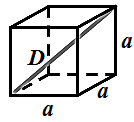
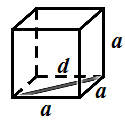
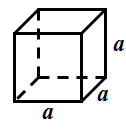
***O = 6a2***

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***PDP = d · a***

**kocka**



**Obla tijela**

****

****

**kugla**



***V = B · v***

****

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

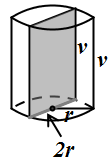
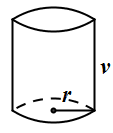
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**valjak**



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***O = B + P***

****

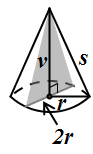
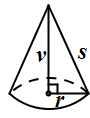
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**stožac**



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***O = B + P***

***O = a2 + 2 ∙ a ∙ v2***

***B = a2***

***P = 2 ∙ a ∙ v2***

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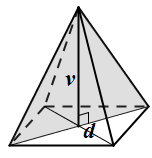
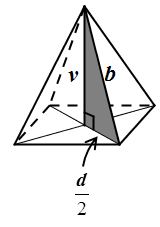
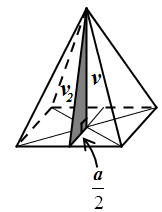
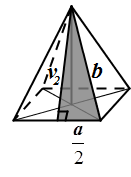
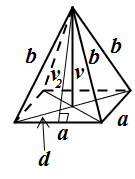
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**pravilna četverostrana piramida**



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***O = B + P***

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***d = 2a***

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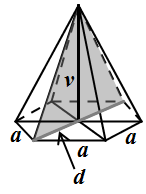
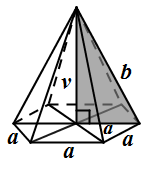
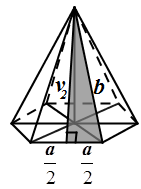
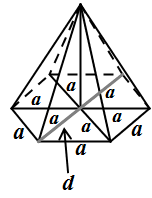
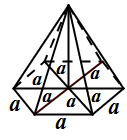
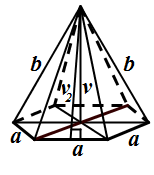
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**pravilna šesterostrana piramida**



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***O = B + P***

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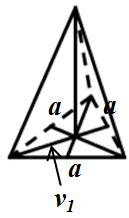
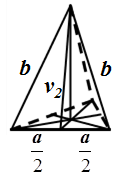
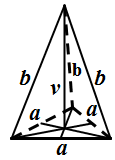
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**pravilna trostrana piramida**



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**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)

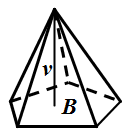
PDP - površina dijagonalnog presjeka

******

***O = B + P***

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

**Općenito (bilo koja) piramida**



**Piramide**