Kocka

$V = a^3$

$S = 6 * a^2$

$S_p = a^2$

$S_{pl} = 4 * a^2$

Telesová uhlopriečka $u = a * \sqrt{3}$

Stenová uhlopriečka $u_s = a * \sqrt{2}$

Kváder

$V = a * b * c$

$S = 2 * (ab + ac + bc)$

$S_p = a * b$

$S_{pl} = 2 * c * (a + b)$

Telesová uhlopriečka $u = \sqrt{a^2 + b^2 + c^2}$

Stenová uhlopriečka

$u_{ab} = \sqrt{a^2 + b^2}$

$u_{ac} = \sqrt{a^2 + c^2}$

$u_{bc} = \sqrt{b^2 + c^2}$

Valec

$V = \pi * r^2 * v$

$S_p = \pi * r^2$

$S_{pl} = 2 * \pi * r * v$

$o = 2 * \pi * r$

$S = 2 * S_p + S_{pl}$

$S = 2 * \pi * r^2 + 2 * \pi * r * v$

Kužeľ

$V = \frac{\pi * r^2 * v}{3}$

$S_p = \pi * r^2$

$S_{pl} = \pi * r * s$

$S = S_p + S_{pl}$

$S = \pi * r * s * \pi * r^2$

Polomer plášťa

$s = \sqrt{v^2 + r^2}$

$o = 2 * \pi * r$

Guľa

$V = \frac{4 * \pi * r^3}{3}$

$S = 4 * \pi * r^2$

Hranol

$V = S_p * v$

$S = 2 * S_p + S_{pl}$

Ihlan

$$V = \frac{S_p * v}{3}$$

$$S = S_p + S_{pl}$$

Zrezaný ihlan

$$V = \frac{v * \left(S_{p1} + \sqrt{S_{p1} * S_{p2}} + S_{p2}\right)}{3}$$

Zrezaný kužeľ

$$V = \frac{\pi * v}{3} * \left(r_1^2 + r_1 * r_2 + r_2^2\right)$$

$$S = \pi * r_1^2 + r_2^2 + \pi * \left(r_1 + r_2\right) * s$$