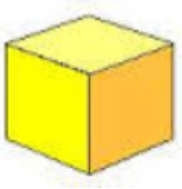
Áreas y Volúmenes de Poliedros Regulares

Tetraedro

$$Sup = a^2 \, x \sqrt{3} = \; a^2 \, x \, 1,732050808$$

$$Vol = a^3 x \frac{\sqrt{2}}{12} = a^3 x \, 0,11785113$$

Hexaedro o Cubo



$$Sup = 6 \, a^2$$

$$Vol = a^3$$

Octaedro

$$Sup = 2 \, a^2 \, x \sqrt{3} = \; a^2 \, x \, 3,464101615$$

$$Vol = a^3 x \frac{\sqrt{2}}{3} = a^3 x \, 0,47140452$$

Dodecaedro

$$Sup = 3 \, a^2 \, x \sqrt{5(5 + 2\sqrt{5})} = \; a^2 \, x \, 20,64572881$$

$$Vol = a^3 x \frac{(15+7\sqrt{5})}{4} = a^3 x \, 7,663118961$$

Icosaedro

$$Sup = 5 \, a^2 \, x \sqrt{3} = \; a^2 \, x \, 8,660254038$$

$$Vol = 5 \, a^3 x \frac{(3 + \sqrt{5}}{12} = a^3 x \, 2,181694991$$