

POLIEDROS

ARQUIMEDIANOS

(ni arquigrandes ni arquipequeños)

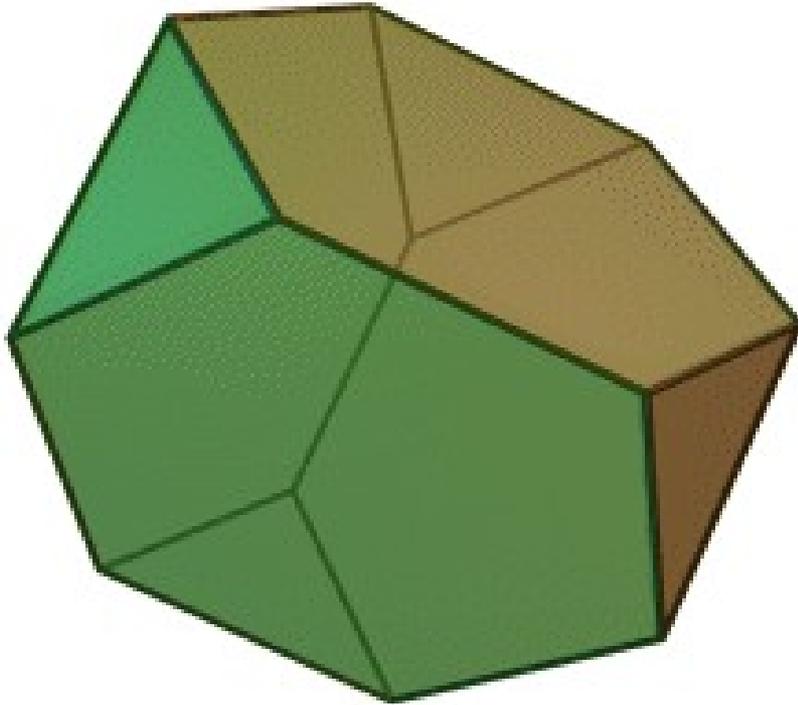


R Vázquez 2008

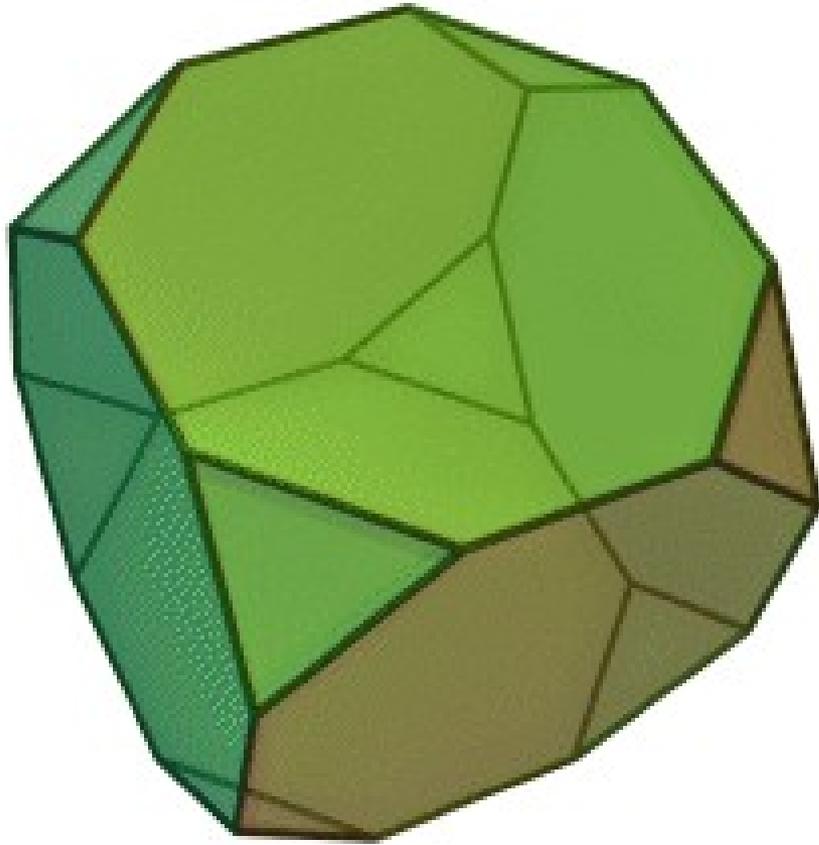
Los poliedros arquimedianos o sólidos de Arquímedes

- Surgen de truncar los sólidos platónicos.
- Son poliedros convexos
- Sus caras son polígonos regulares de dos o más tipos.
- Todos son de vértices uniformes.
- Son 13.

¿Cuántas caras,
vértices y aristas tiene?

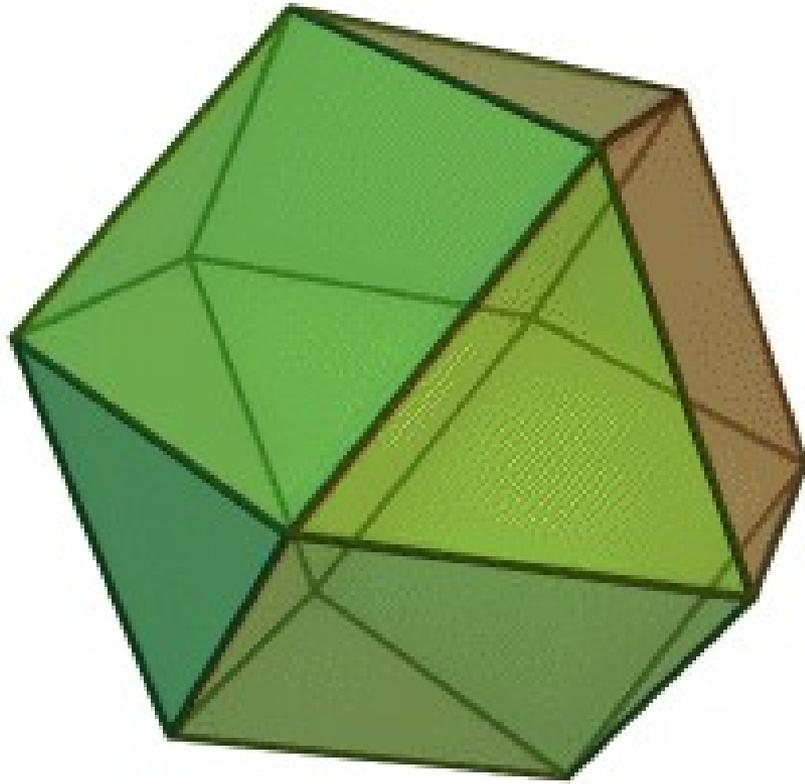


Tetraedro truncado



¿Cuántas caras,
vértices y aristas tiene?

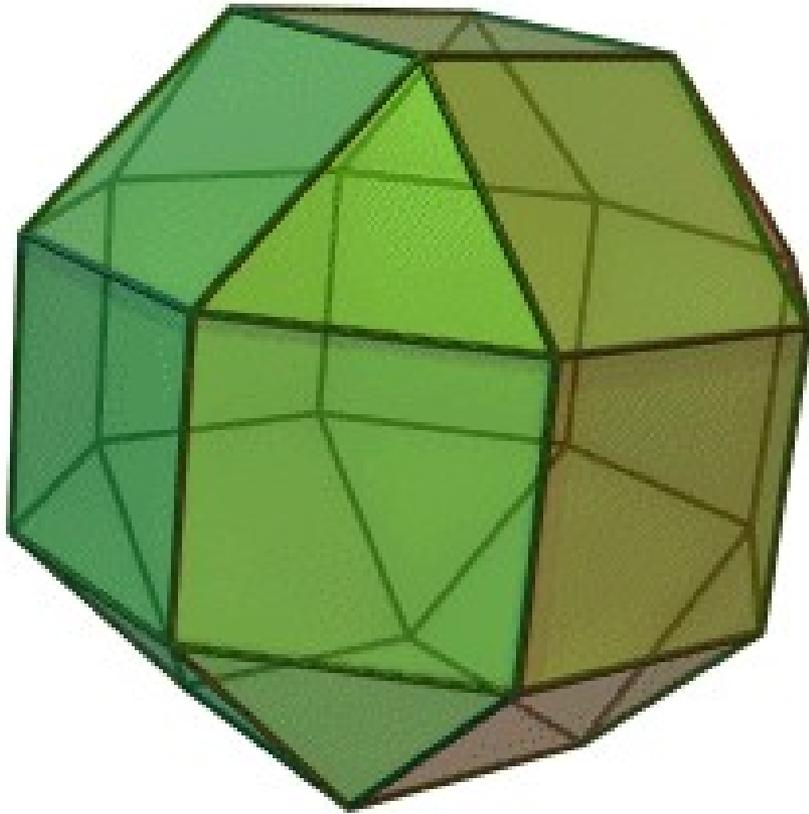
Cubo truncado



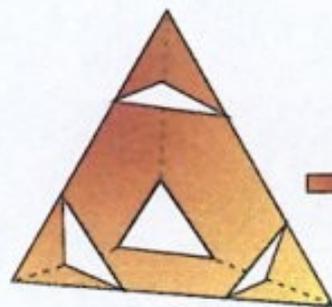
¿Cuántas caras,
vértices y aristas tiene?

Cubooctaedro

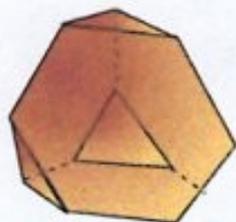
¿Cuántas caras,
vértices y aristas tiene?



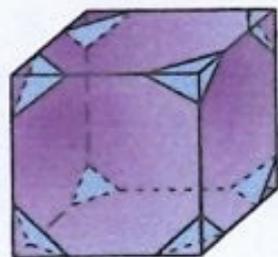
Rombicubooctaedro



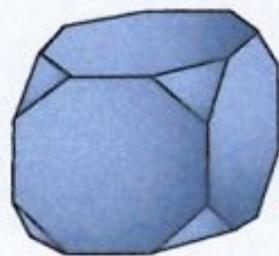
Tetraedro



Tetraedro truncado



Hexaedro o cubo



Cubo truncado



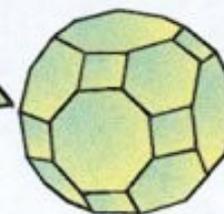
**Cubo
doblemente
truncado**



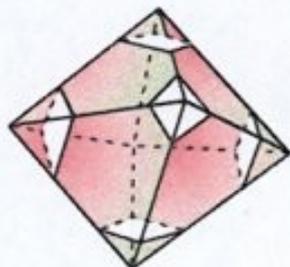
Cuboctaedro



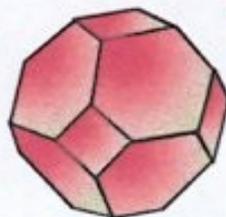
Rombicuboctaedro



**Gran
rombicuboctaedro**



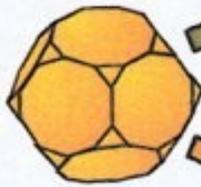
Octaedro



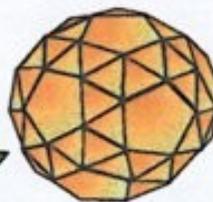
Octaedro truncado



Dodecaedro



Dodecaedro truncado



Dodecaedro doblemente truncado



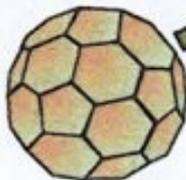
Icosidodecaedro



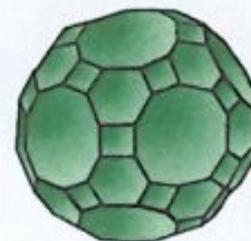
Rombicosidodecaedro



Icosaedro



Icosaedro truncado



Gran rombicosidodecaedro

Vert aristas			Nombre (Procede del...)	Polígonos que lo forman:					
				Tr	Cu	Pe	Ex	Oc	De
12	18	8	Tetraedro truncado (T)	4			4		
24	36	14	Cubo truncado (C)	8				6	
24	36	14	Octaedro truncado (O)		6		8		
60	90	32	Dodecaedro truncado (D)	20					12
60	90	32	Icosaedro truncado (I)			12	20		
12	24	14	Cuboctaedro (C,O)	8	6				
24	48	26	Rombicuboctaedro (C,O)	8	18				
48	72	26	Gran rombicuboctaedro (C,O)		12		8	6	
24	60	38	Cubo doblemente truncado (C)	32	6				
30	60	32	Icosidodecaedro (D,I)	20		12			
60	120	62	Rombicosidodecaedro (D,I)	20	30	12			
120	180	62	Gran rombicosidodecaedro (D,I)		30		20		12
60	150	92	Dodecaedro doblemente truncado (D)	80		12			