

## Triedro de espejos

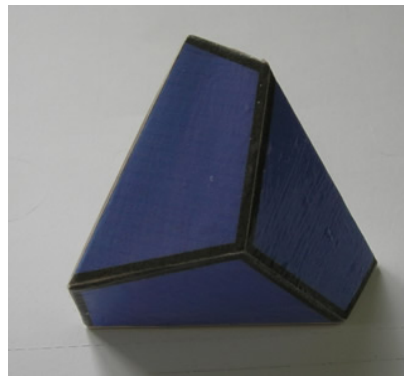
Juego para un jugador.

### Material necesario:

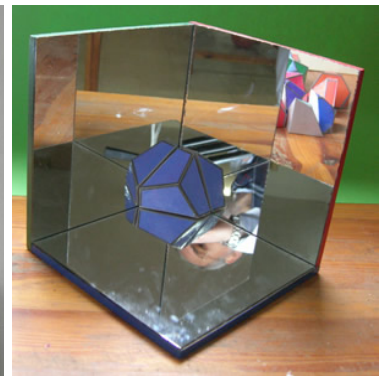
- ◆ Hojas informativas de poliedros.



Triedro de espejo



Piezas: octavas partes de  
un poliedro



Poliedro dentro del  
triedro

### Desarrollo de la actividad:

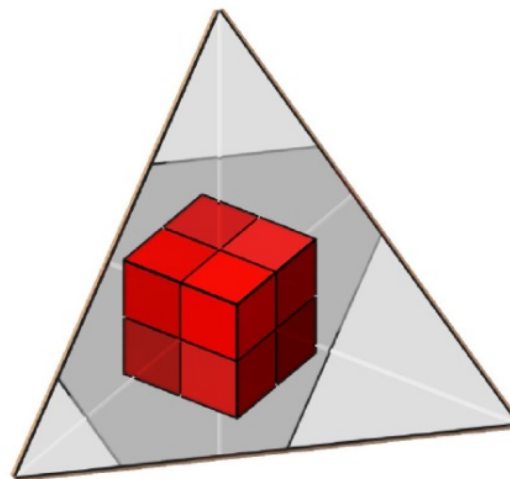
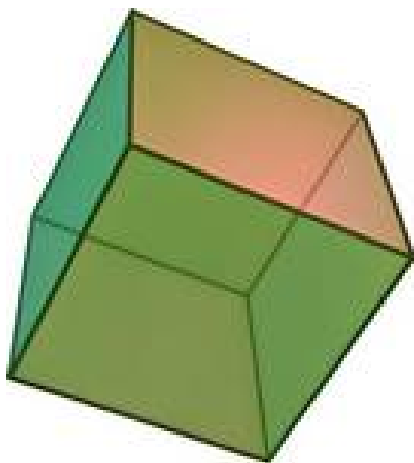
- ◆ Coger una de las piezas (octavas partes de un poliedro).
- ◆ Introducir la pieza en el triedro de espejo, encajando sus vértices sobre las tres aristas del triedro de espejos.
- ◆ Sus imágenes reflejadas conformarán el poliedro entero. Cualquier forma que introduzcamos dentro del triedro de espejo quedará multiplicada por ocho.
- ◆ Buscar y leer entre las hojas explicativas la correspondiente al poliedro formado.

### Referencia:

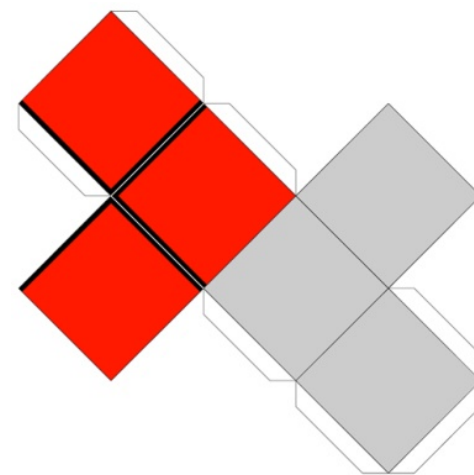
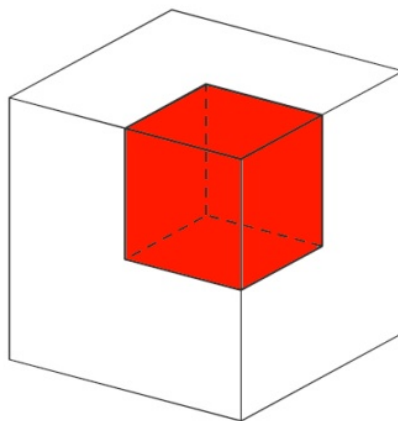
<http://www.formaynumero.webuda.com/>

# HEXÁEDRO ó CUBO

# Sólido platónico

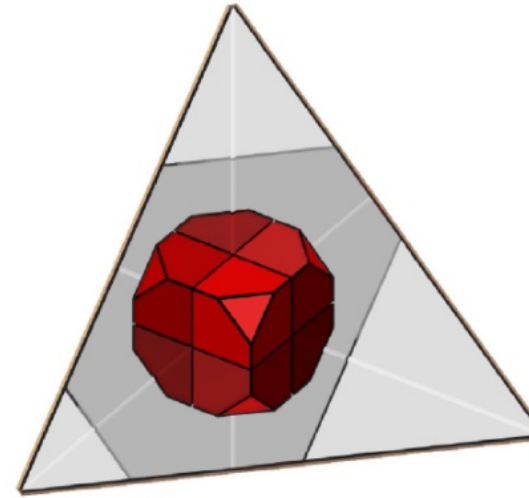
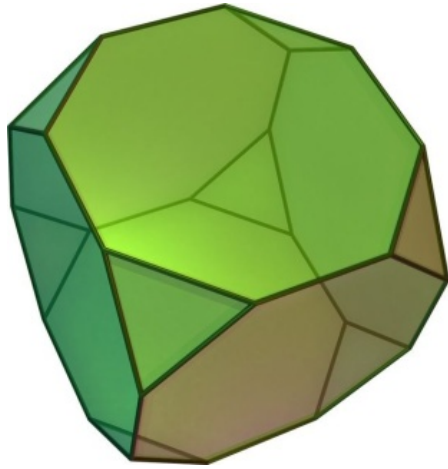


<b>Caras</b>	6
<b>Polígonos que forman las caras</b>	Cuadrados
<b>Aristas</b>	12
<b>Vértices</b>	8
<b>Configuración de los vértices</b>	3cuadrados

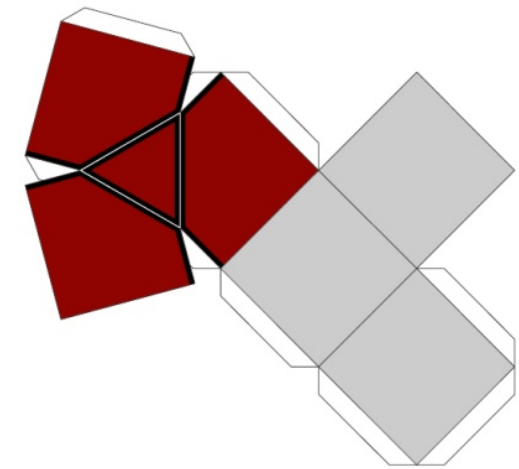
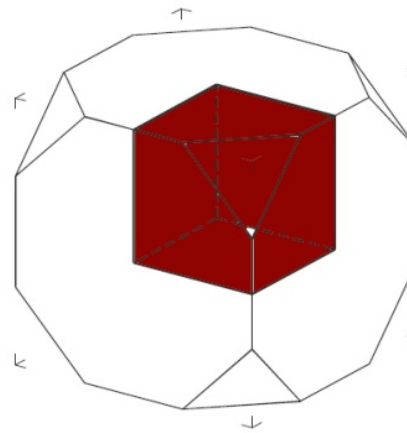


CUBO TRUNCADO

Sólido arquimediano

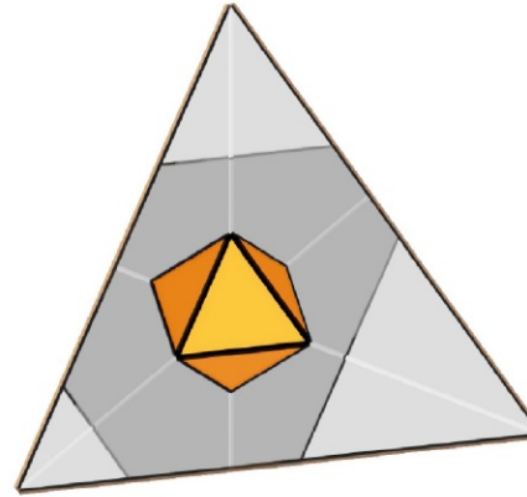
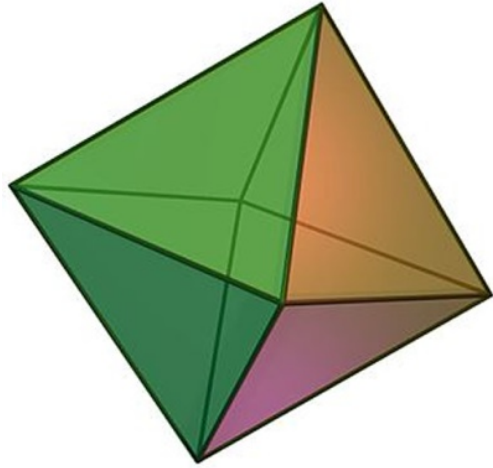


<b>Caras</b>	14
<b>Polígonos que forman las caras</b>	8 triángulos equiláteros 6 octágonos equiláteros
<b>Aristas</b>	36
<b>Vértices</b>	24
<b>Configuración de los vértices</b>	1 triángulo 2 octágono

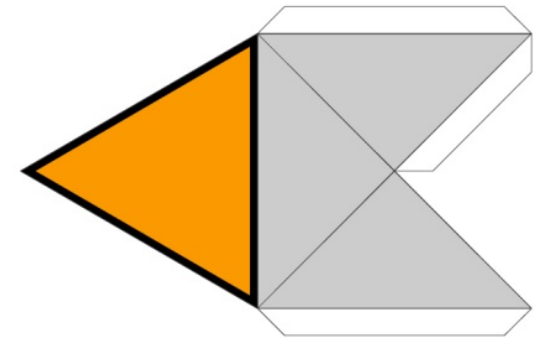
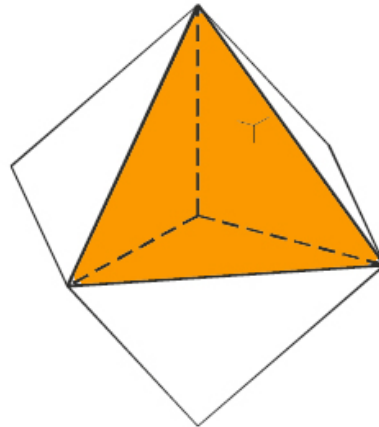


OCTAEDRO

Sólido platónico

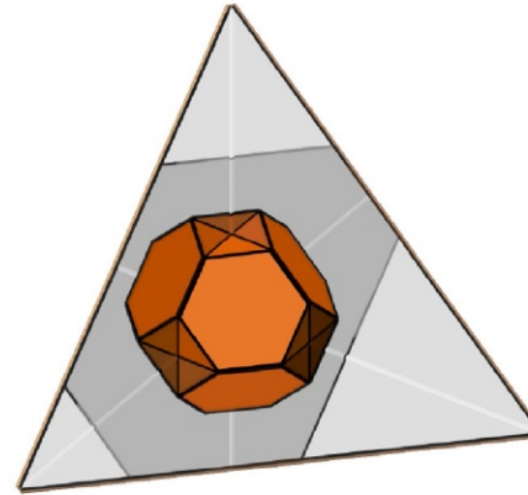
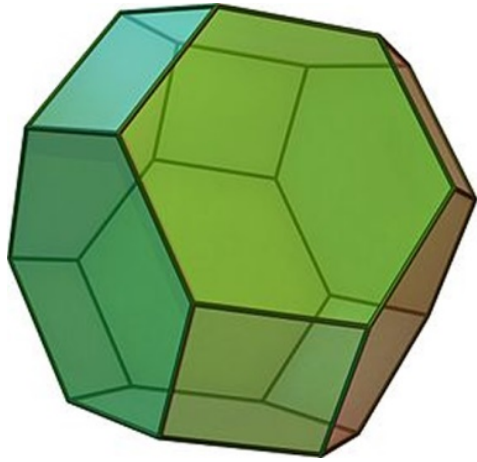


<b>Caras</b>	8
<b>Polígonos que forman las caras</b>	Triángulos equiláteros
<b>Aristas</b>	12
<b>Vértices</b>	6
<b>Configuración de los vértices</b>	4 triángulos

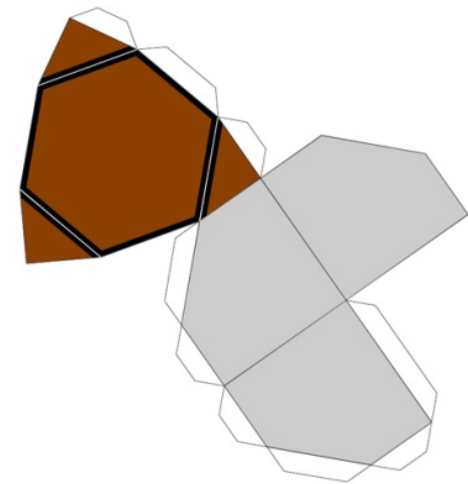
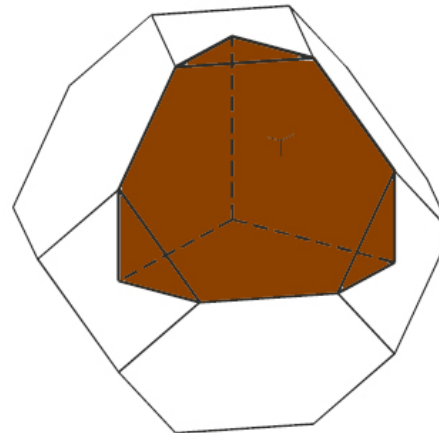


# OCTAEDRO TRUNCADO

# Sólido arquimediano

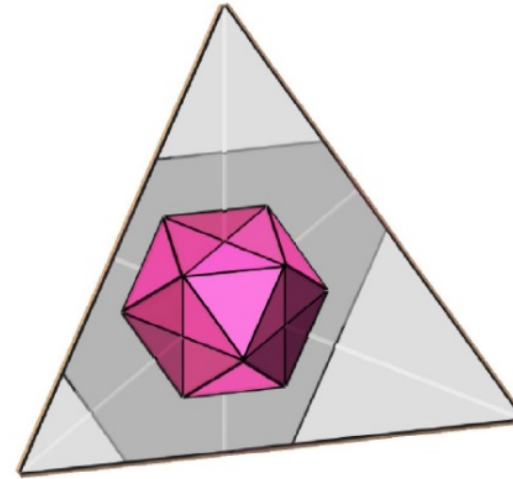
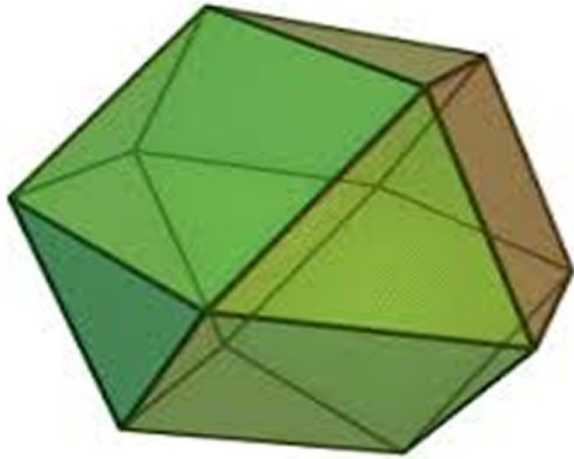


<b>Caras</b>	14
<b>Polígonos que forman las caras</b>	6 cuadrados 8 hexágonos regulares
<b>Aristas</b>	36
<b>Vértices</b>	24
<b>Configuración de los vértices</b>	2 hexágonos 1 cuadrado

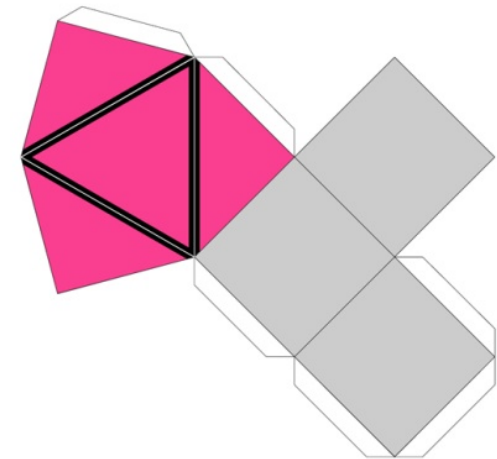
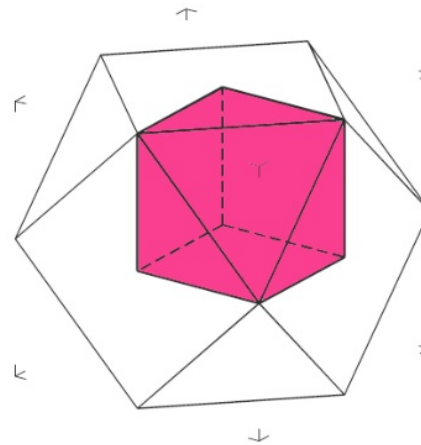


COBOCTAEDRO

Sólido arquimediano

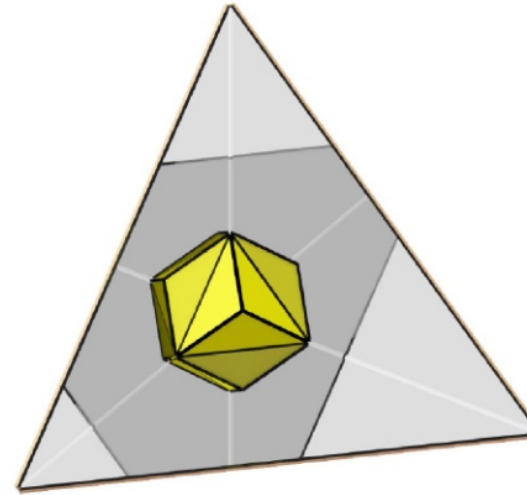
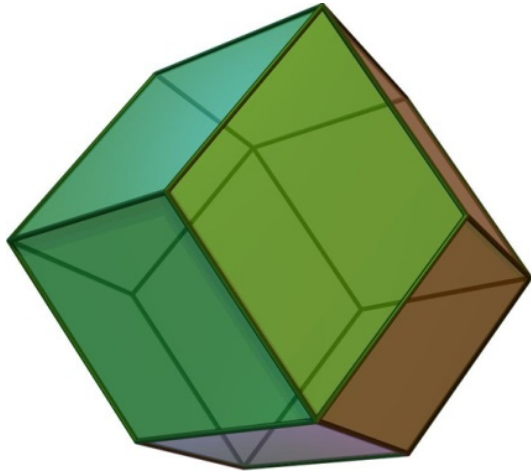


<b>Caras</b>	14
<b>Polígonos que forman las caras</b>	8 triángulos equiláteros 6 cuadrados
<b>Aristas</b>	24
<b>Vértices</b>	12
<b>Configuración de los vértices</b>	2 triángulos 2 cuadrados

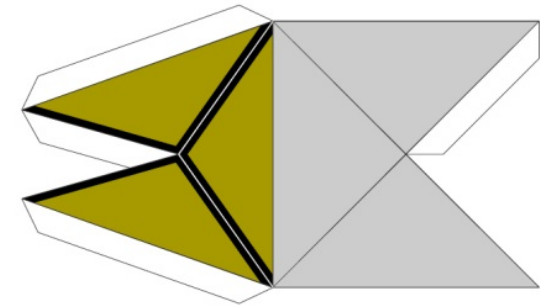
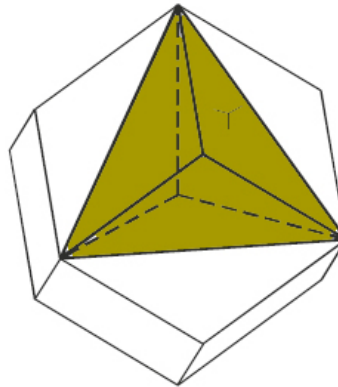


ROMBODODECAEDRO

Sólido de catalan

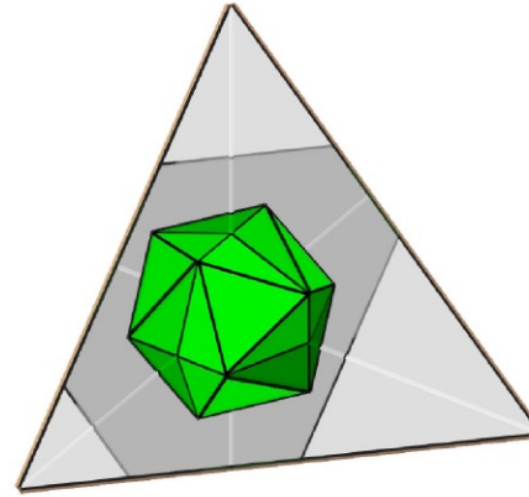
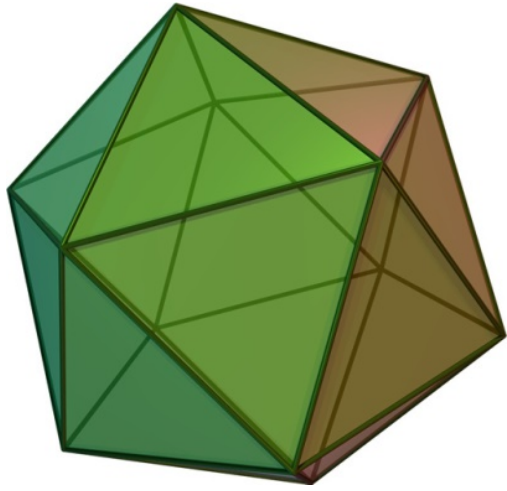


<b>Caras</b>	12
<b>Polígonos que forman las caras</b>	Rombos
<b>Aristas</b>	24
<b>Vértices</b>	14
<b>Configuración de los vértices</b>	6 de orden 4 8 de orden 3

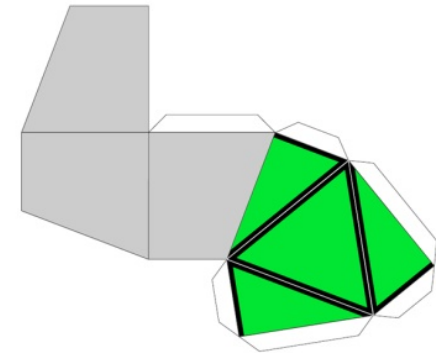
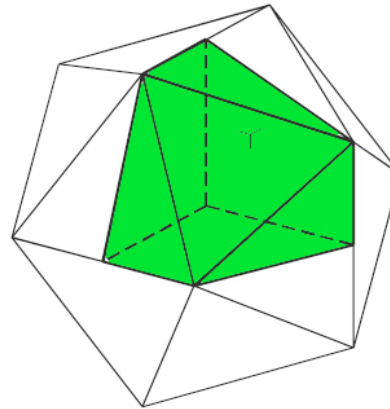


ICOSAEDRO

Sólido platónico



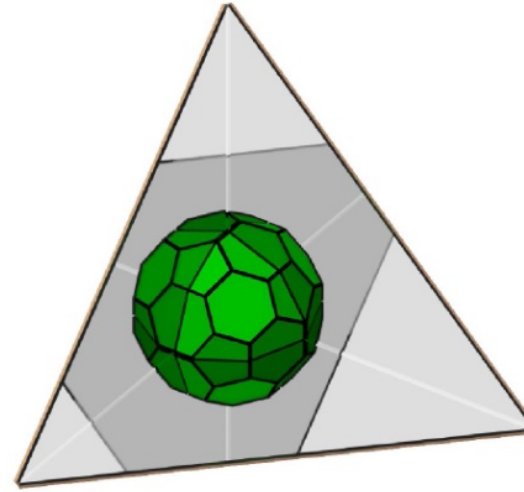
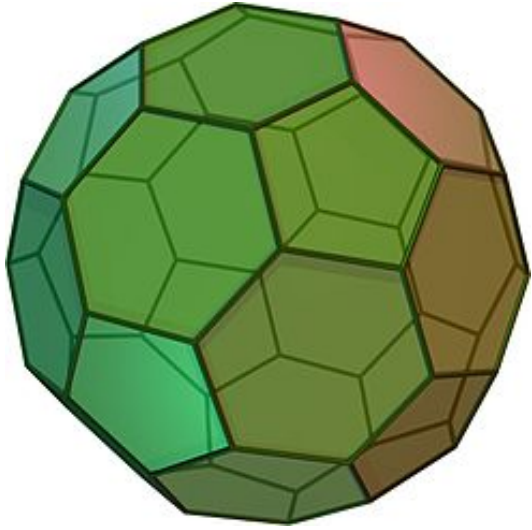
<b>Caras</b>	20
<b>Polígonos que forman las caras</b>	Triángulos equiláteros
<b>Aristas</b>	30
<b>Vértices</b>	12
<b>Configuración de los vértices</b>	5 triángulos



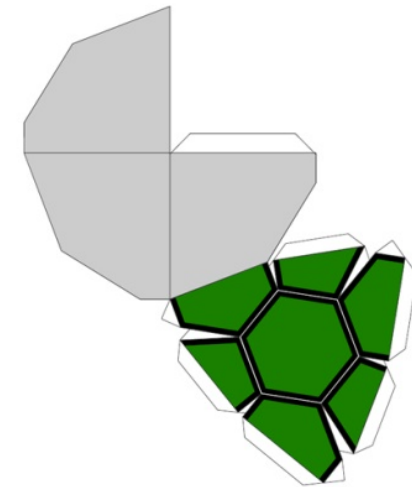
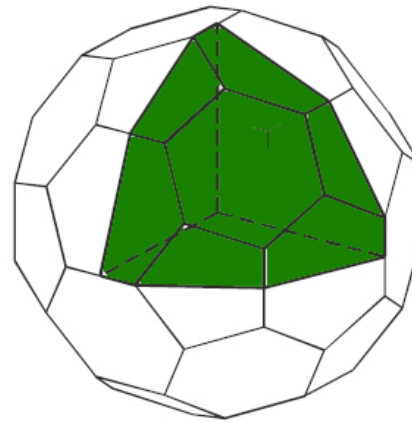


ICOSAEDRO TRUNCADO

Sólido arquimediano

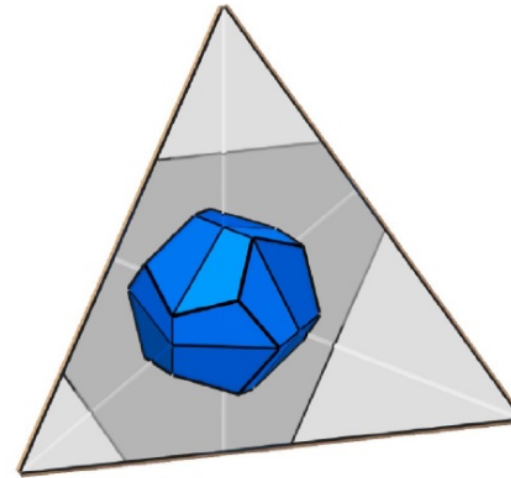
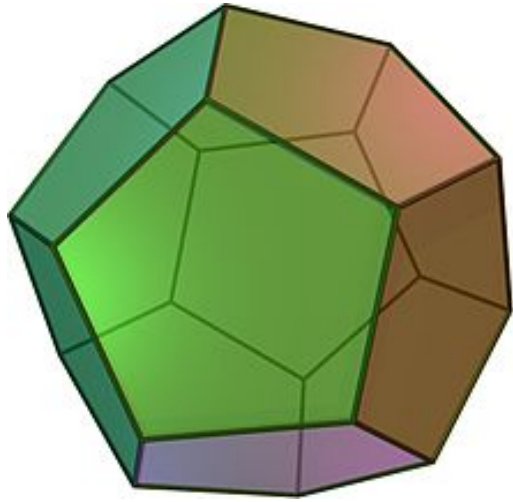


<b>Caras</b>	32
<b>Polígonos que forman las caras</b>	12 pentágonos 20 hexágonos regulares
<b>Aristas</b>	90
<b>Vértices</b>	60
<b>Configuración de los vértices</b>	2 hexágonos 1 pentágono

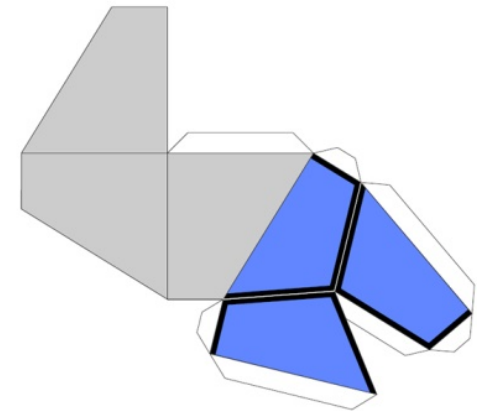
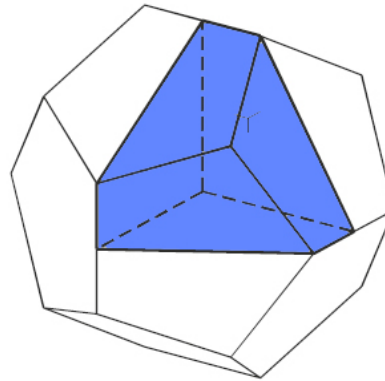


DODECAEDRO

Sólido platónico

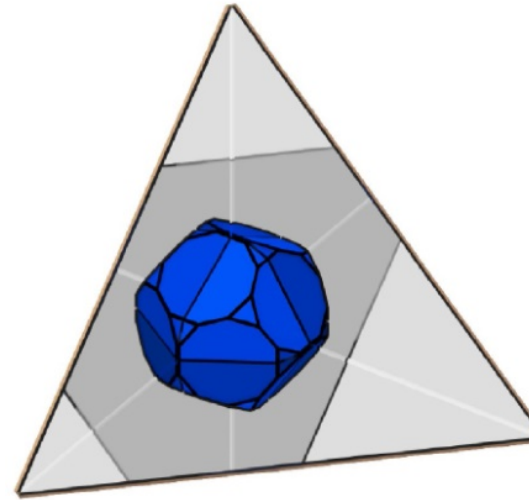
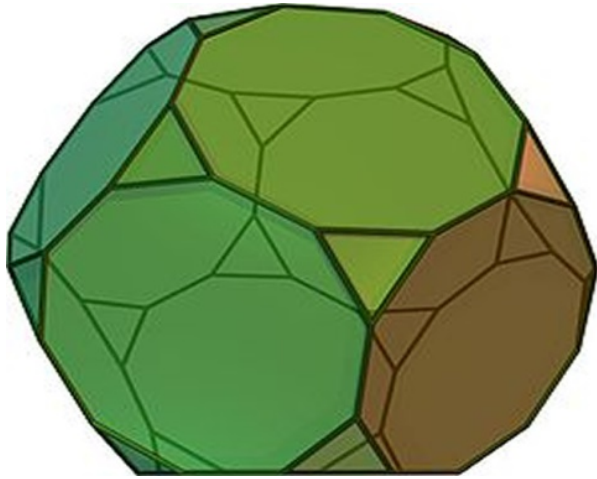


<b>Caras</b>	12
<b>Polígonos que forman las caras</b>	Pentágonos
<b>Aristas</b>	30
<b>Vértices</b>	20
<b>Configuración de los vértices</b>	3pentágonos

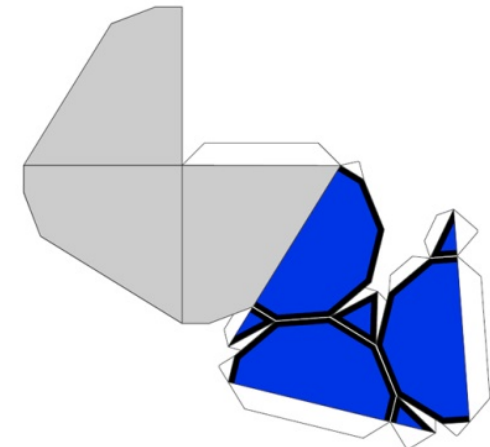
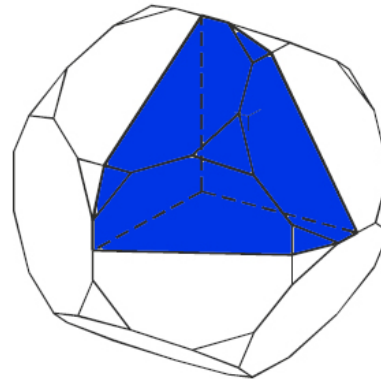


DODECAEDRO TRUNCADO

Sólido arquimediano

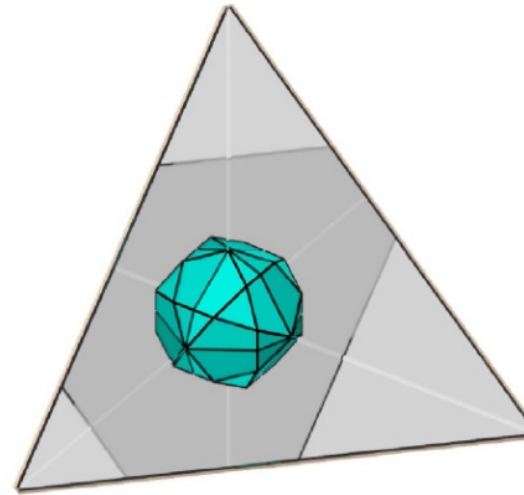
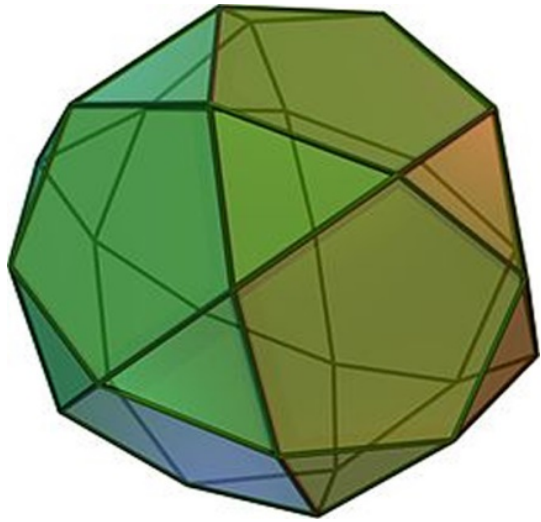


<b>Caras</b>	32
<b>Polígonos que forman las caras</b>	20 triángulos equiláteros 12 decágonos equiláteros
<b>Aristas</b>	90
<b>Vértices</b>	60
<b>Configuración de los vértices</b>	2 decágonos 1 triángulo

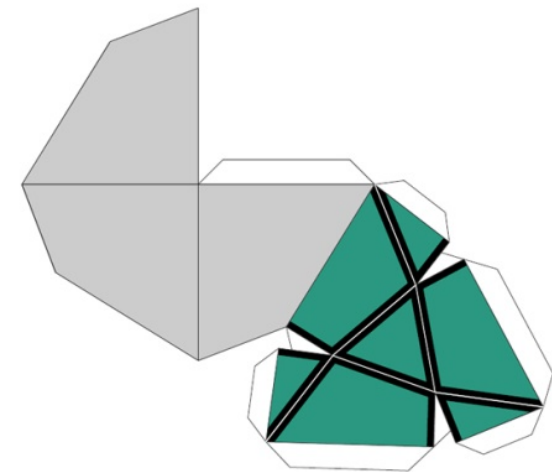
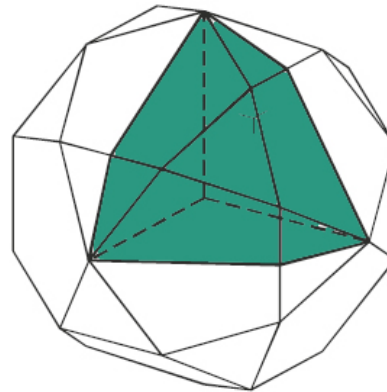


ICOSIDODECAEDRO

Sólido arquimediano

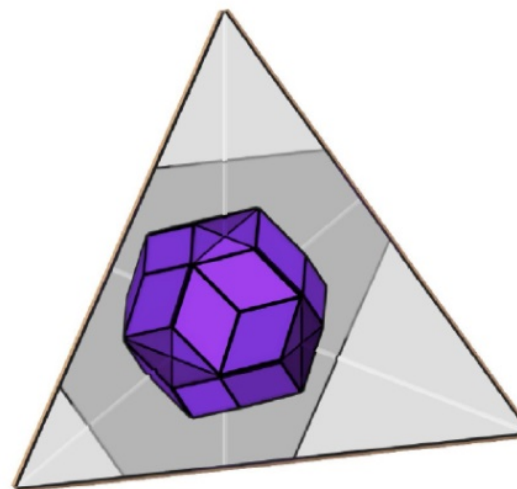
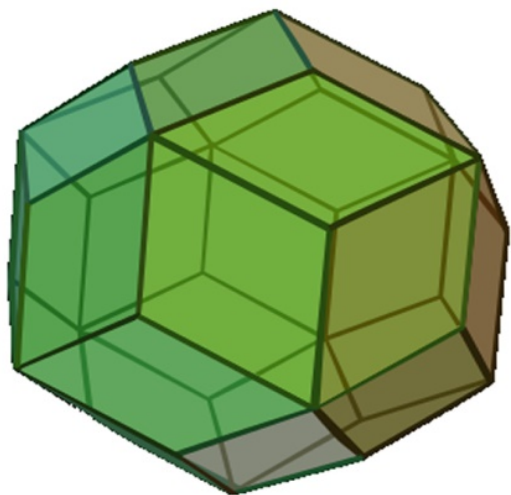


<b>Caras</b>	32
<b>Polígonos que forman las caras</b>	20 triángulos equiláteros 12 pentágonos equiláteros
<b>Aristas</b>	60
<b>Vértices</b>	30
<b>Configuración de los vértices</b>	2 pentágonos 2 triángulos

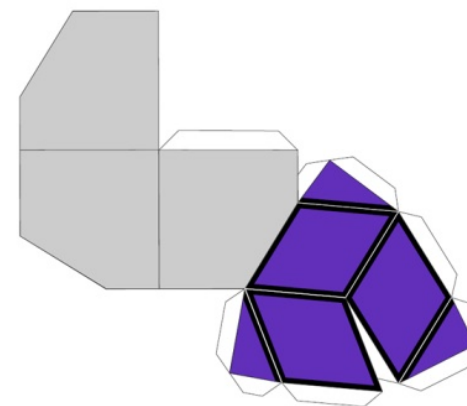
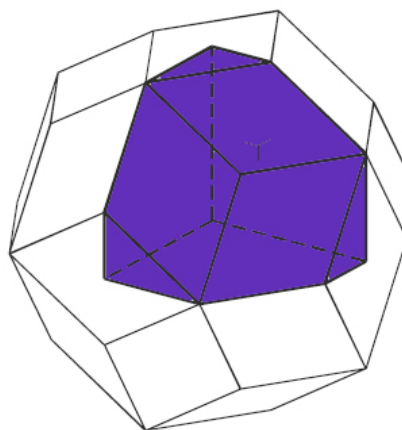


**TRIACONTRAEDRO RÓMBICO**

**Sólido de Catalan**

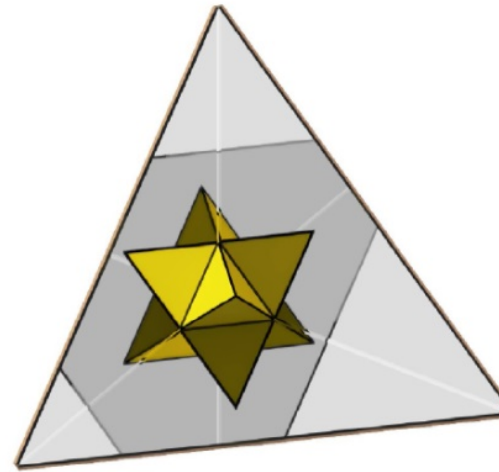
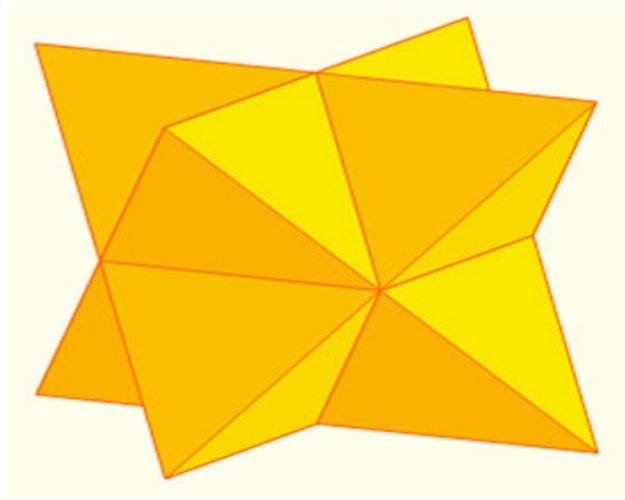


<b>Caras</b>	30
<b>Polígonos que forman las caras</b>	Rombos
<b>Aristas</b>	60
<b>Vértices</b>	32
<b>Configuración de los vértices</b>	20 de orden 3 12 de orden 5

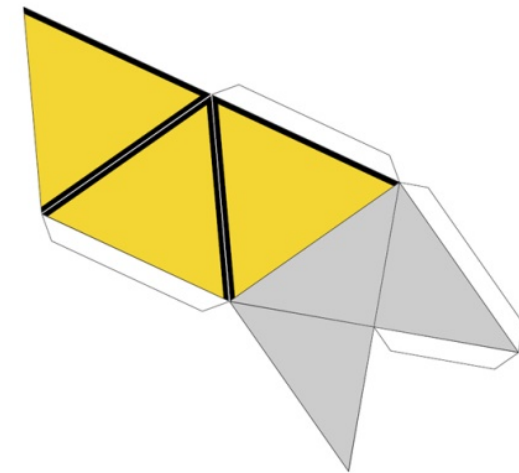
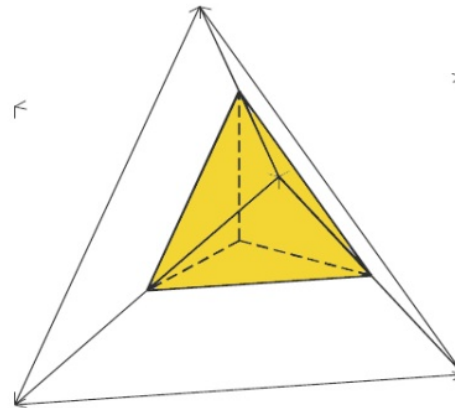


DUALIDAD TETRAEDRO-TETRAEDRO

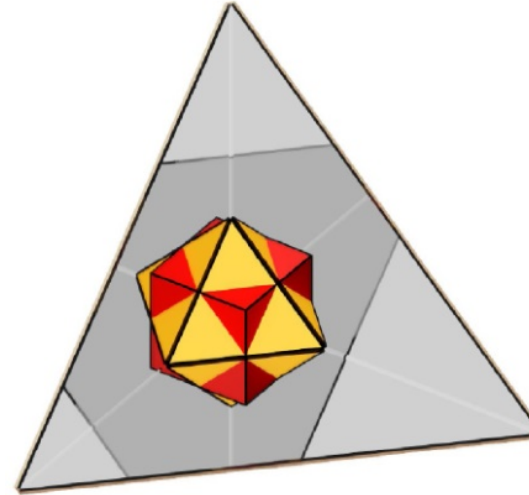
Sólido de kepler



<b>Caras</b>	24
<b>Polígonos que forman las caras</b>	Triángulos equiláteros
<b>Aristas</b>	36
<b>Vértices</b>	14
<b>Configuración de los vértices</b>	8 de orden 3 6orden 8



# DUALIDAD CUBO-OCTAEDRO



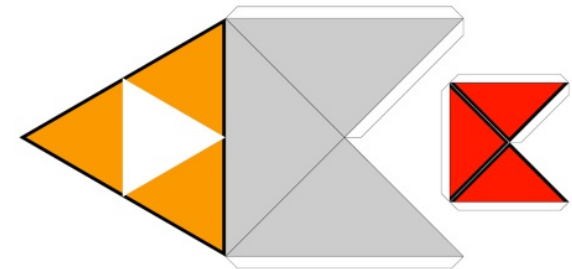
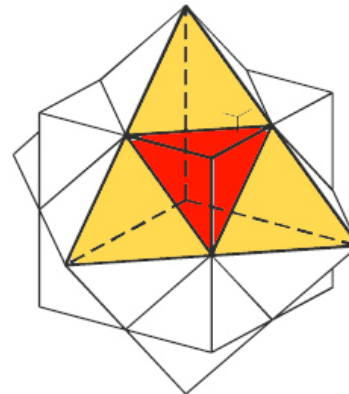
**Caras**

**Polígonos que forman las caras**

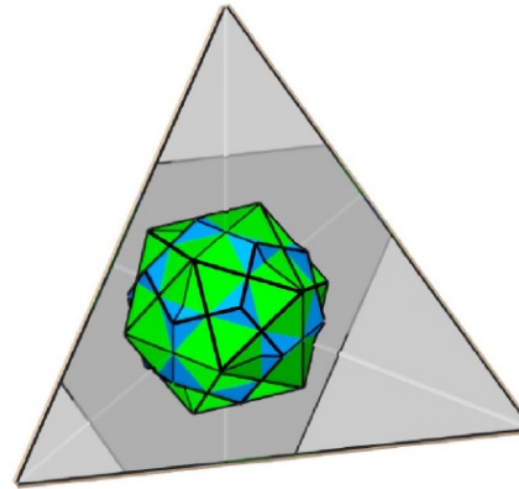
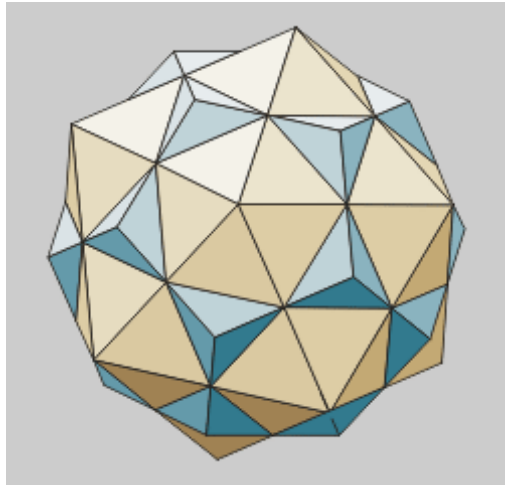
**Aristas**

**Vértices**

**Configuración de los vértices**



# DUALIDAD ICOSAEDRO-DODECAEDRO



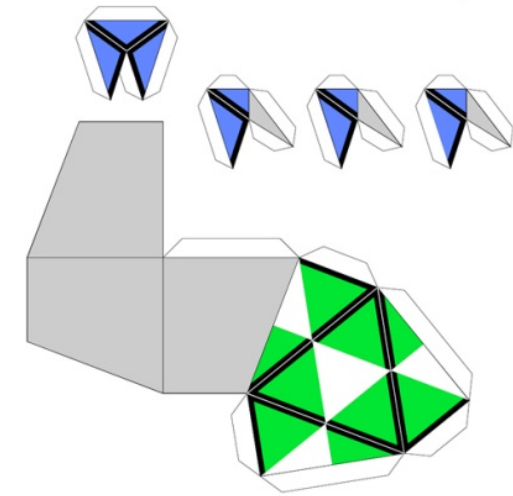
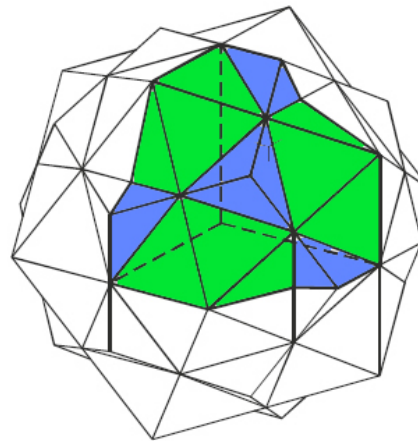
**Caras**

**Polígonos que forman las caras**

**Aristas**

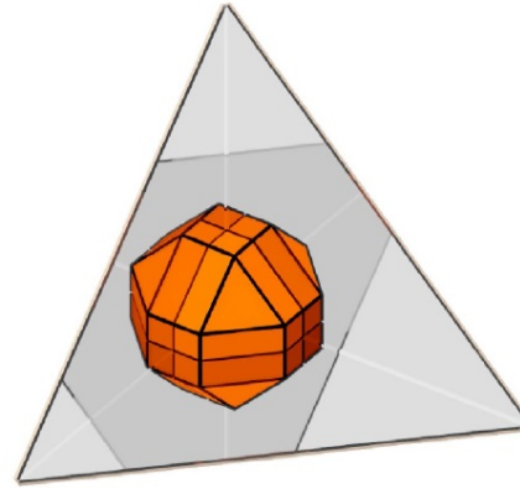
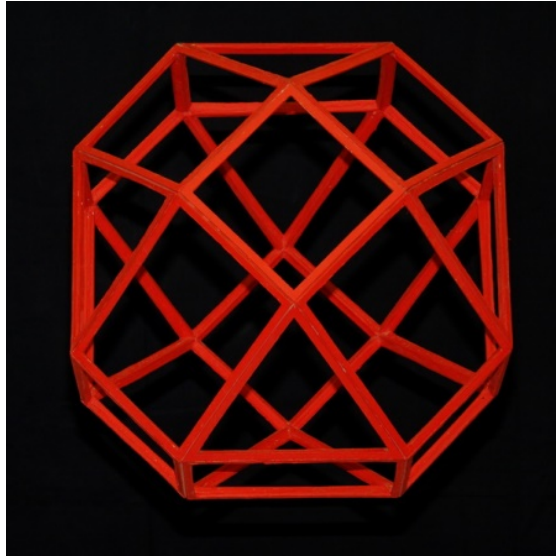
**Vértices**

**Configuración de los vértices**





POLIEDRO ESENCIAL RAIZ DE2



**Caras**

**Polígonos que forman las caras**

**Aristas**

**Vértices**

**Configuración de los vértices**

