

Objetivo de aprendizaje:

OA16: Describir cubos, paralelepípedos, esferas, conos, cilindros y pirámides de acuerdo a la forma de sus caras, el número de aristas y de vértices.

Determinar las vistas de figuras 3D desde el frente, desde el lado y desde arriba.

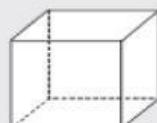
Instrucciones:

1. Lee las instrucciones en el comienzo de cada actividad y luego responde cada uno de los ejercicios. Deberás apoyarte con las redes construidas las guías anterior.

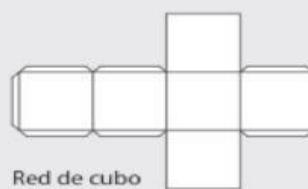
Comprender la relación entre figuras 3D y 2D

Ejemplo:

Al desplegar una figura 3D puedes distinguir figuras 2D. En este caso, al hacerlo con un cubo, puedes observar 6 cuadrados.



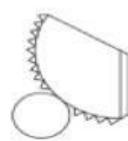
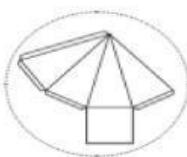
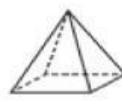
Cubo



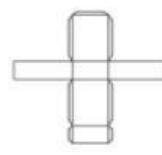
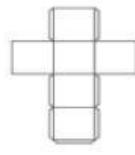
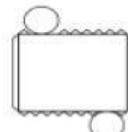
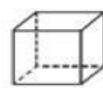
Red de cubo

1. Encierra la red correspondiente a cada figura 3D.

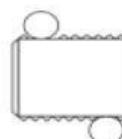
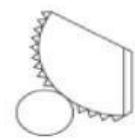
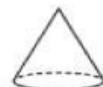
a.



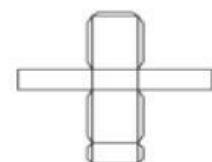
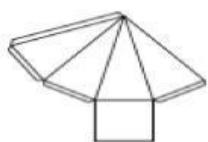
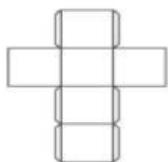
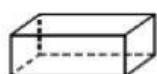
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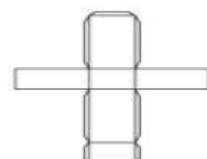
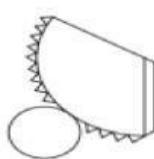
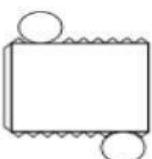
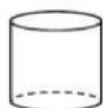
c.



d.



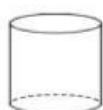
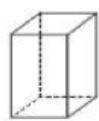
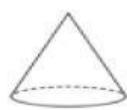
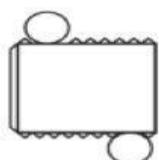
e.



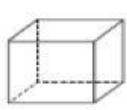
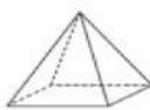
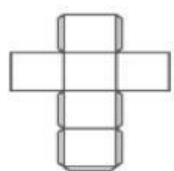
2.

Encierra la figura 3D correspondiente a cada red.

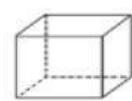
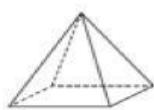
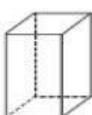
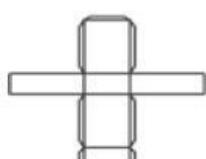
a.



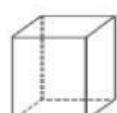
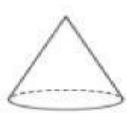
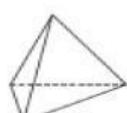
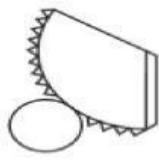
b.



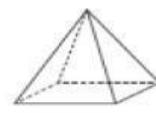
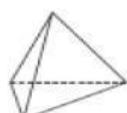
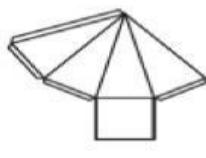
c.



d.

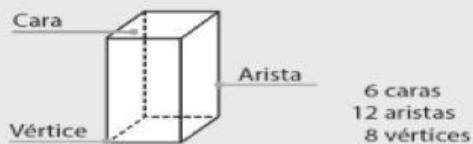


e.



Distinguir elementos de figuras 3D

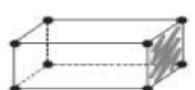
Ejemplo:
Las figuras 3D tienen caras, vértices y aristas.



1.

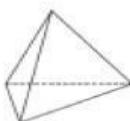
Pinta una cara de cada figura 3D. Repasa sus aristas y marca sus vértices. Completa.

a.



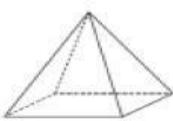
Número de caras: 6
Número de aristas: 12
Número de vértices: 8

b.



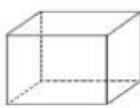
Número de caras: _____
Número de aristas: _____
Número de vértices: _____

c.



Número de caras: _____
Número de aristas: _____
Número de vértices: _____

d.



Número de caras: _____
Número de aristas: _____
Número de vértices: _____

2.

Resuelve cada adivinanza.

a.



Soy una figura 3D, me parezco a lata de bebida, tengo 2 caras planas y ningún vértice, ¿quién soy?

b.



Soy una figura 3D, me parezco a un dado y tengo 6 caras de la misma forma y tamaño, ¿quién soy?

c.



Soy una figura 3D, me parezco a un barquillo de helados y tengo 1 sólo vértice, ¿quién soy?

d.



Soy una figura 3D, me parezco a una caja de zapatos y tengo 6 caras y 8 aristas, ¿quién soy?
