



# GUÍA DE AUTOAPRENDIZAJE MATEMÁTICA

## 3° BÁSICO

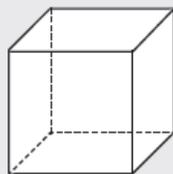
NOMBRE: \_\_\_\_\_ CURSO: \_\_\_\_\_ FECHA: \_\_\_\_\_

OA 15: Demostrar que comprenden la relación que existe entre figuras 3D y figuras 2D: construyendo una figura 3D a partir de una red (plantilla) desplegando la figura 3D.

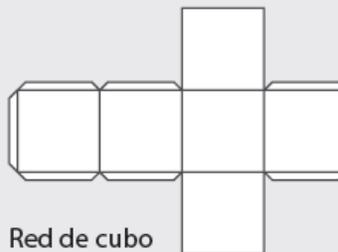
OA 16: Describir cubos, paralelepípedos, esferas, conos, cilindros y pirámides de acuerdo a la forma de sus caras, el número de aristas y de vértices.

### RELACION ENTRE FIGURAS 2D Y 3D

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



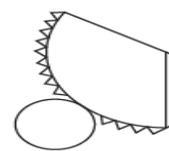
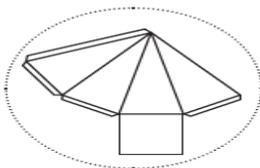
Cubo



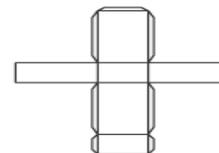
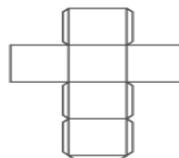
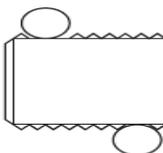
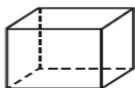
Red de cubo

#### 1.- Encierra la red correspondiente a cada figura.

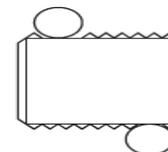
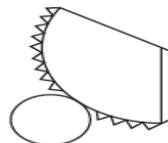
a.



b.

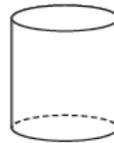
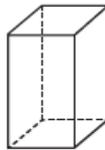
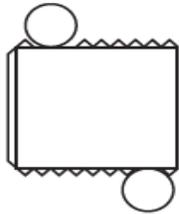


c.

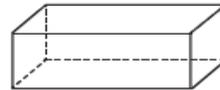
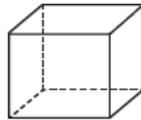
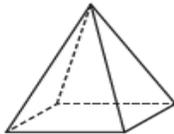
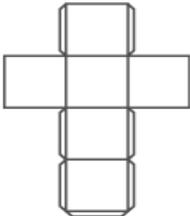


2.- Encierra la figura 3D correspondiente a cada red.

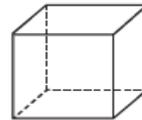
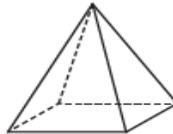
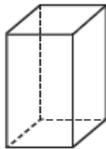
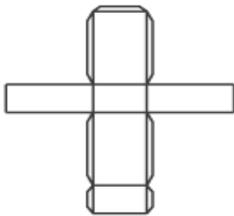
a.



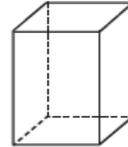
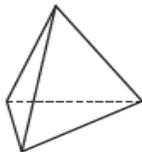
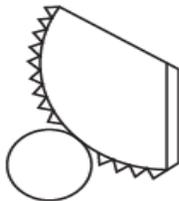
b.



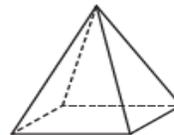
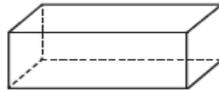
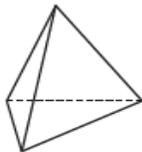
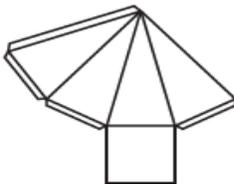
c.



d.

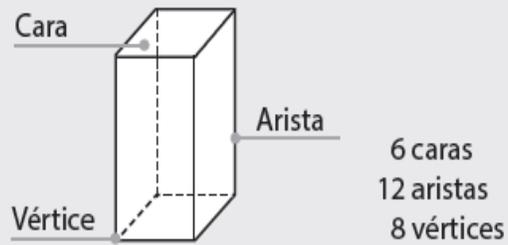


e.



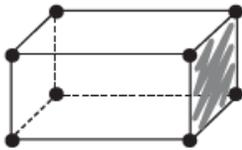
## ELEMENTOS DE LAS FIGURAS 3D

Las figuras 3D tienen caras, vértices y aristas.



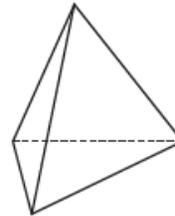
3.- Pinta una cara de cada figura 3D. Repasa sus aristas y marca sus vértices. Completa.

a.



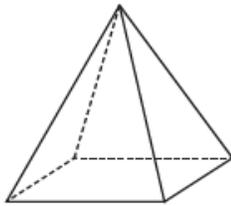
Número de caras: 6  
Número de aristas: 12  
Número de vértices: 8

b.



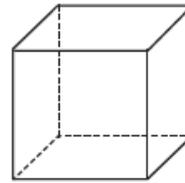
Número de caras: \_\_\_\_\_  
Número de aristas: \_\_\_\_\_  
Número de vértices: \_\_\_\_\_

c.



Número de caras: \_\_\_\_\_  
Número de aristas: \_\_\_\_\_  
Número de vértices: \_\_\_\_\_

d.



Número de caras: \_\_\_\_\_  
Número de aristas: \_\_\_\_\_  
Número de vértices: \_\_\_\_\_

**4.- Resuelve cada adivinanza.**

a.



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

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b.



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

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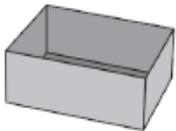
c.



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

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d.



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

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