Welcome!

Do you have...?

1) your pen/pencil?

2) your notebook/paper?

3) some water?

3D shapes

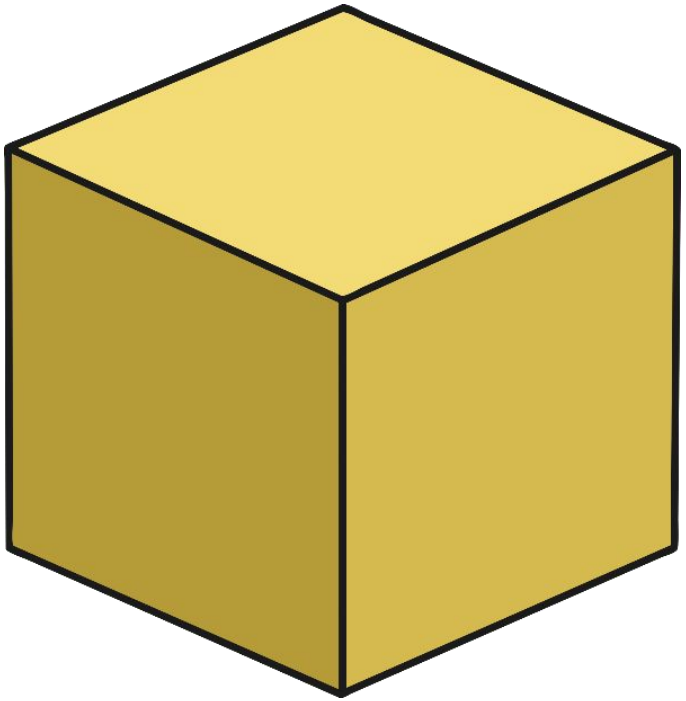
- names

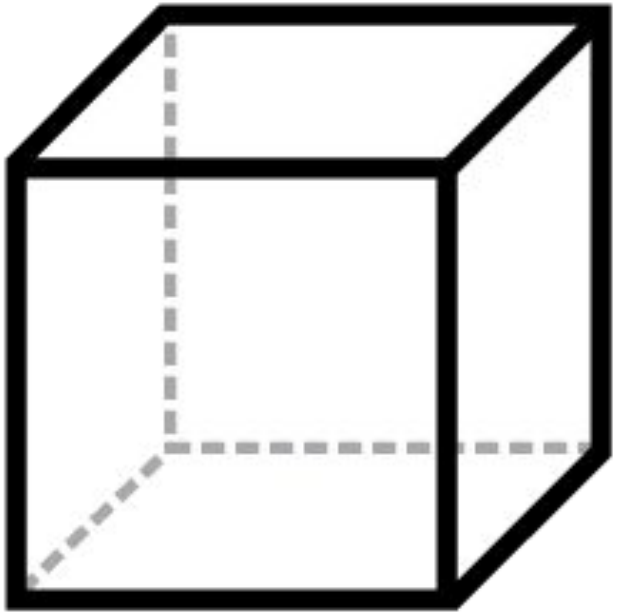
- properties

- nets

Let's name some 3D shapes

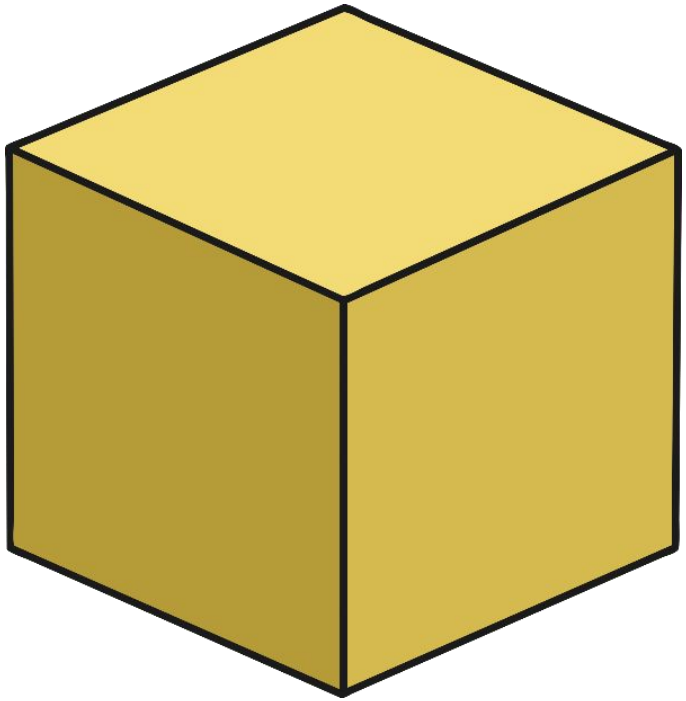
What is the shape?



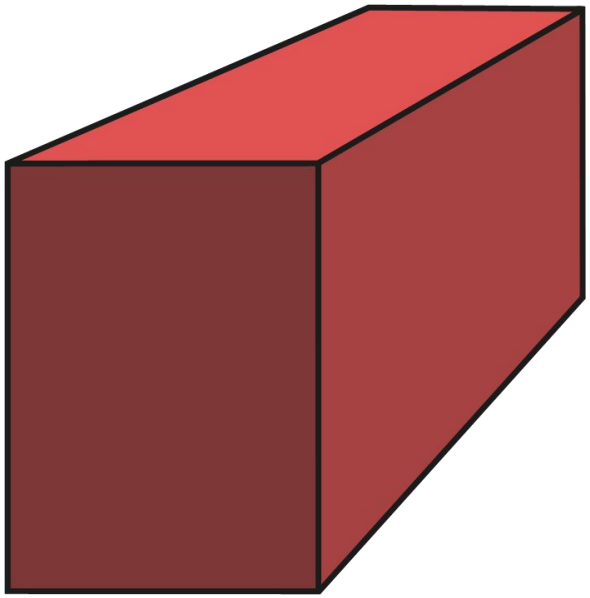


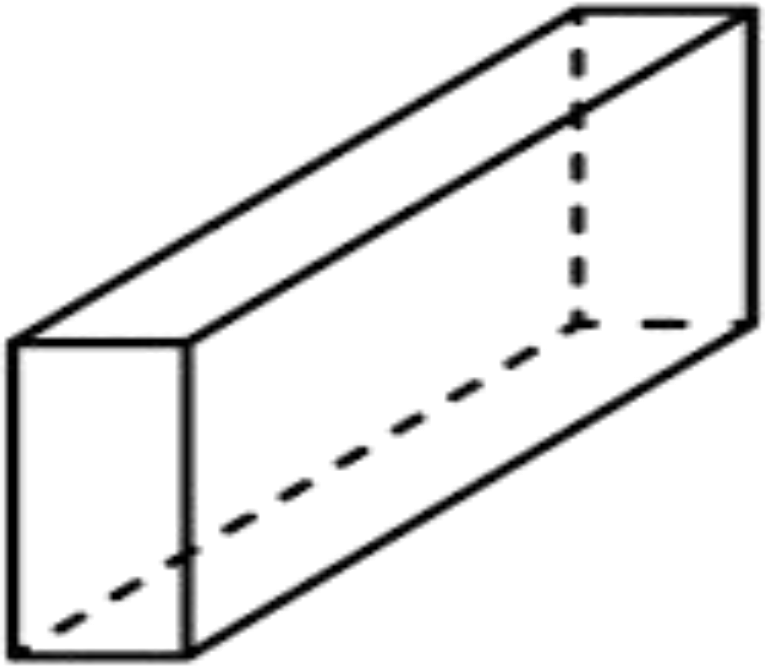
Make sure you take some notes!

It's a cube.

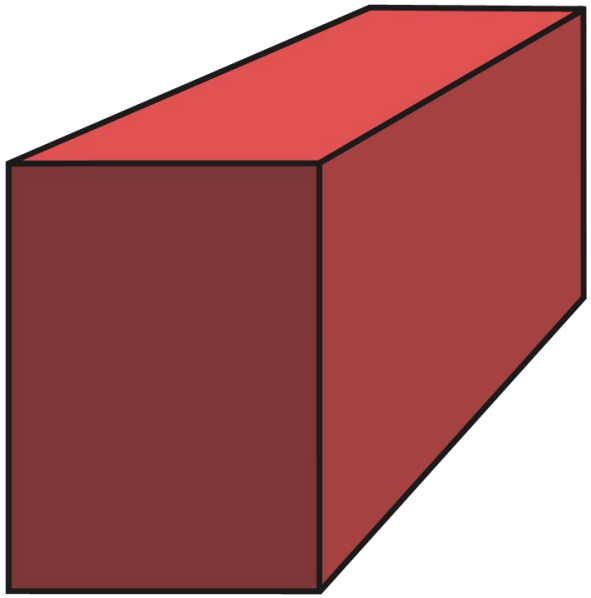


What is the shape?



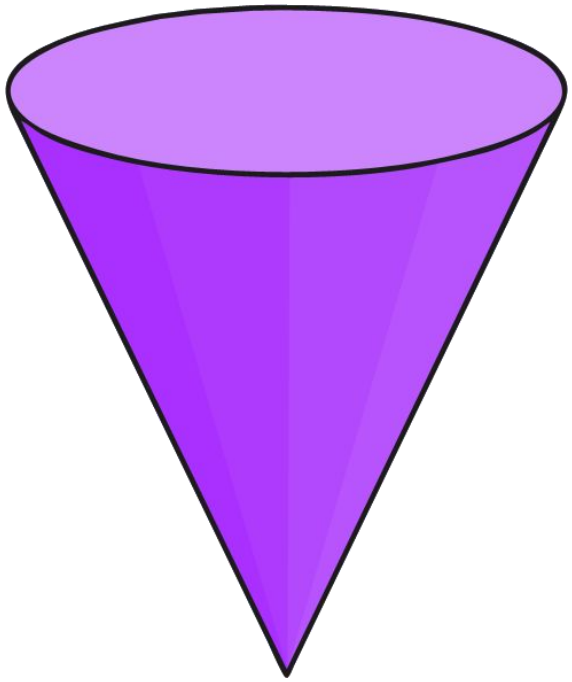


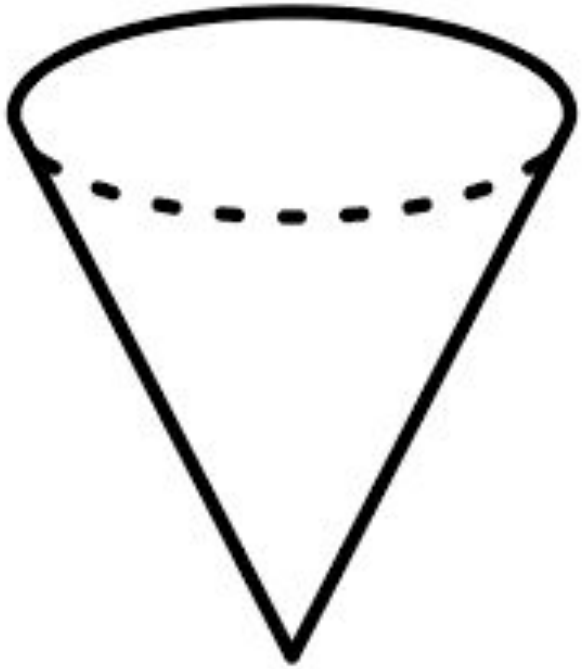
It's a cuboid.



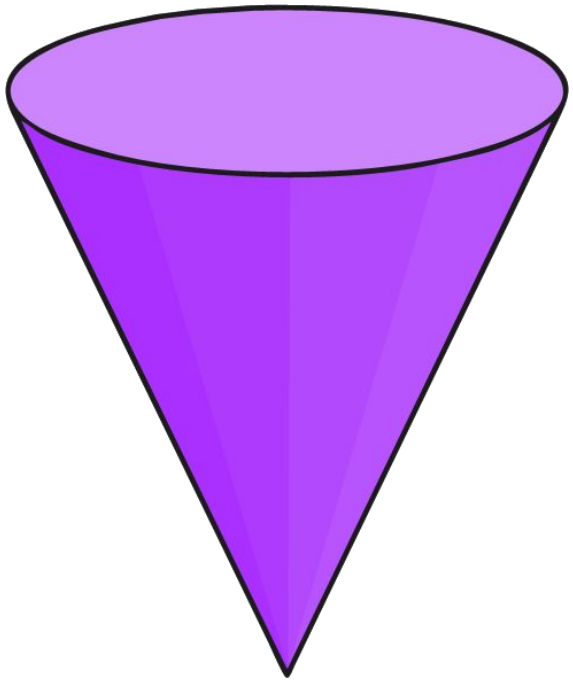

Kellogg's
CORN FLAKES
THE ORIGINAL & BEST
NET WT/PESO NETO
24 OZ (1 LB 8 OZ) (680g)

What is the shape?

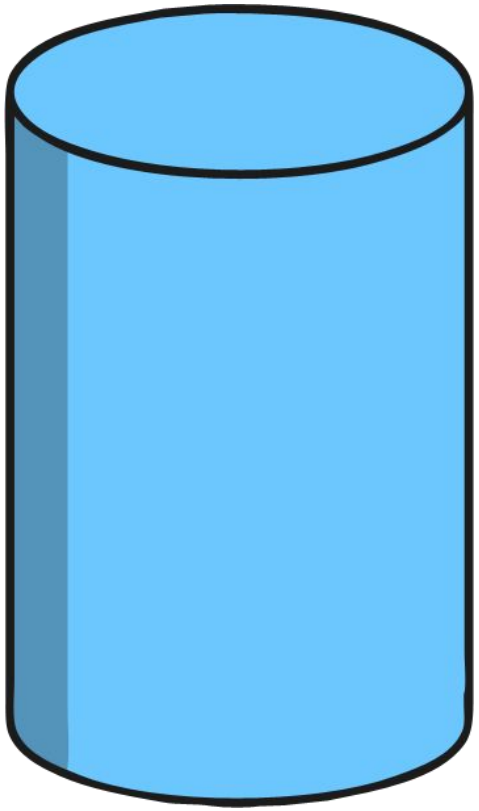


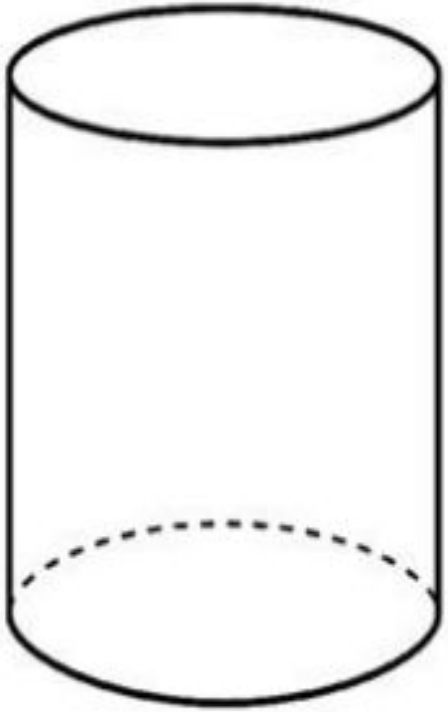


It's a cone.

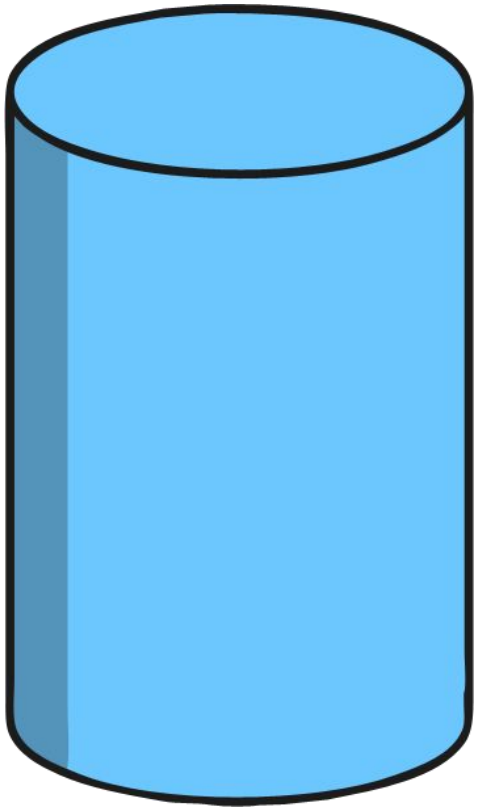


What is the shape?



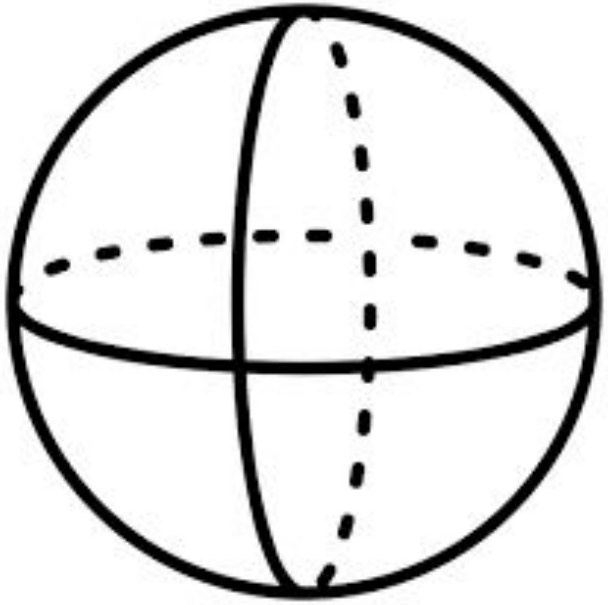


It's a cylinder.



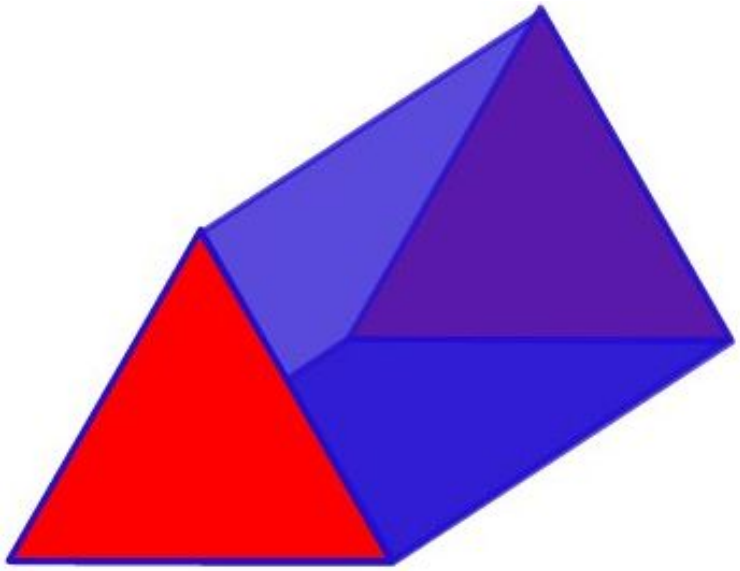

Coca-Cola
12 FL OZ
(355 mL)

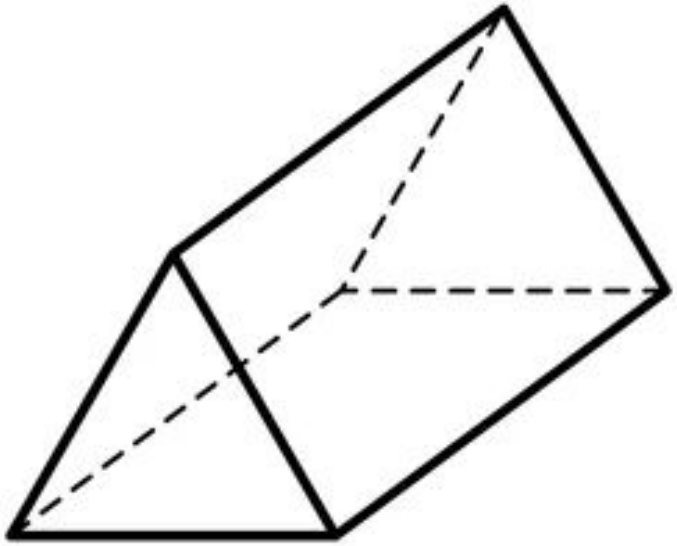
What is the shape?



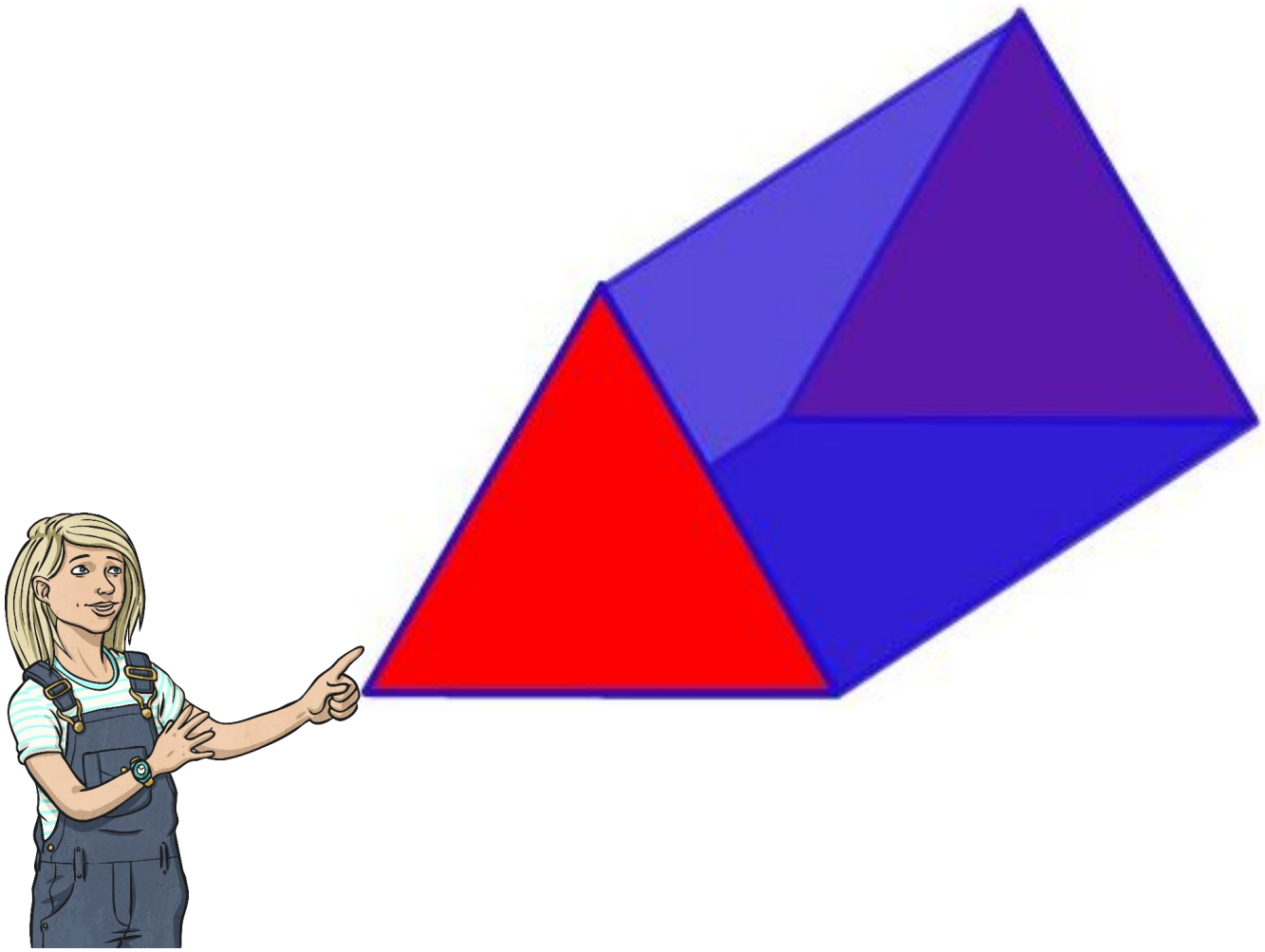
It's a sphere.

What is the shape?



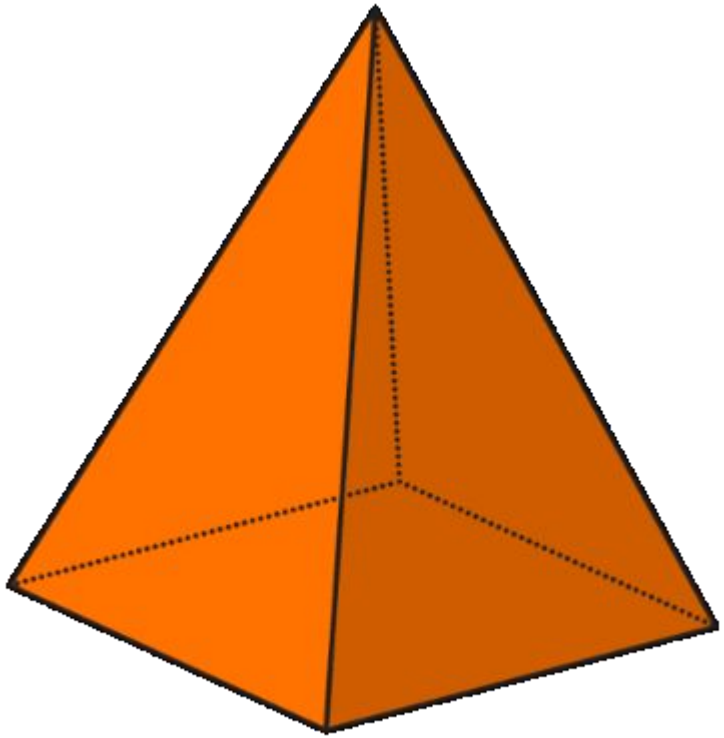


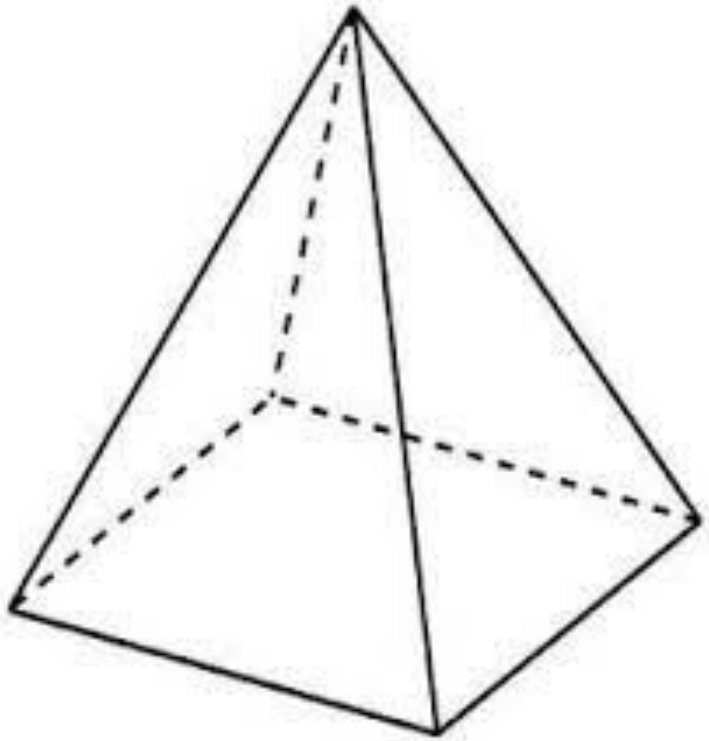
It's a triangular prism.



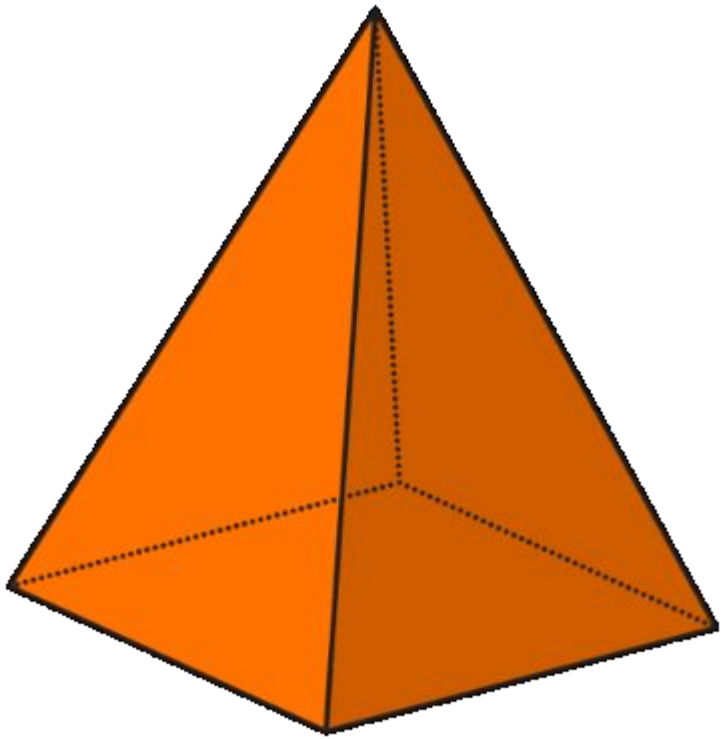

SWISS MILK CHOCOLATE WITH HONEY AND ALMOND NOUGAT
TOBLERONE
OF SWITZERLAND
NET WT 3.52 OZ (100g)

What is the shape?

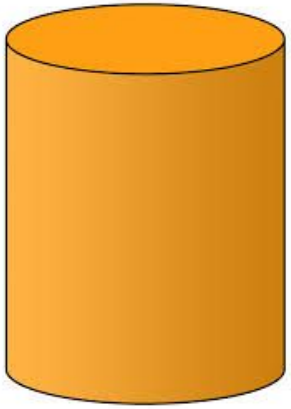


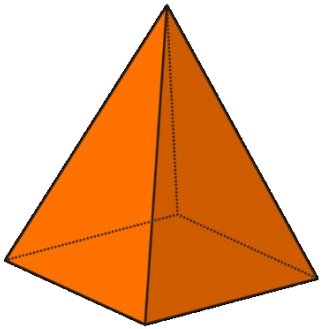


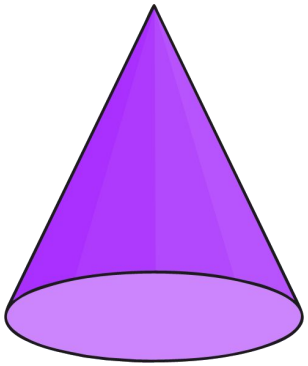
It's a pyramid.

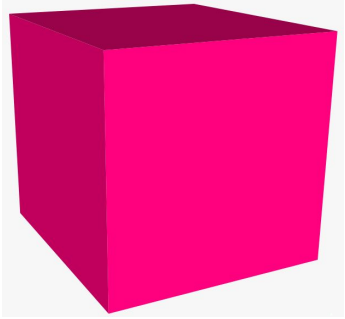


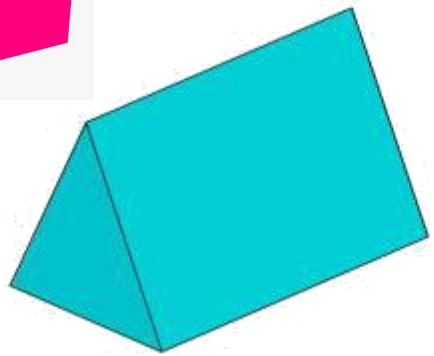
Let's practice saying the names.

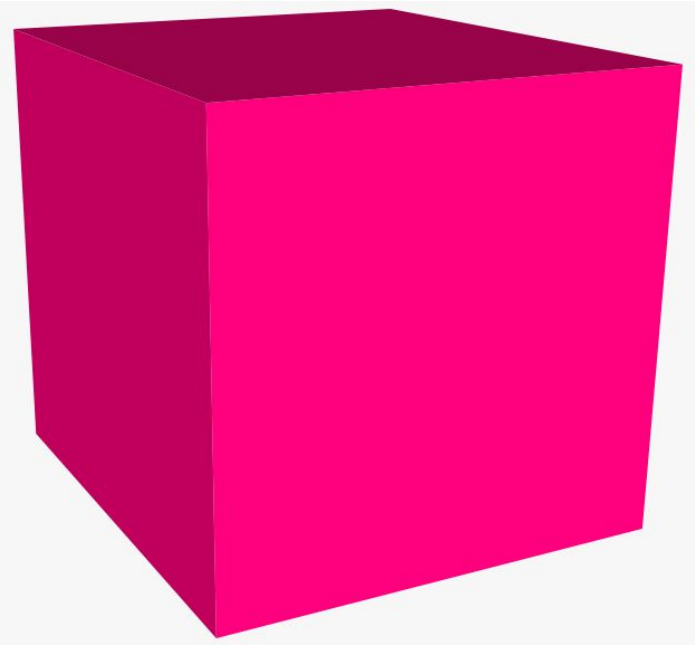








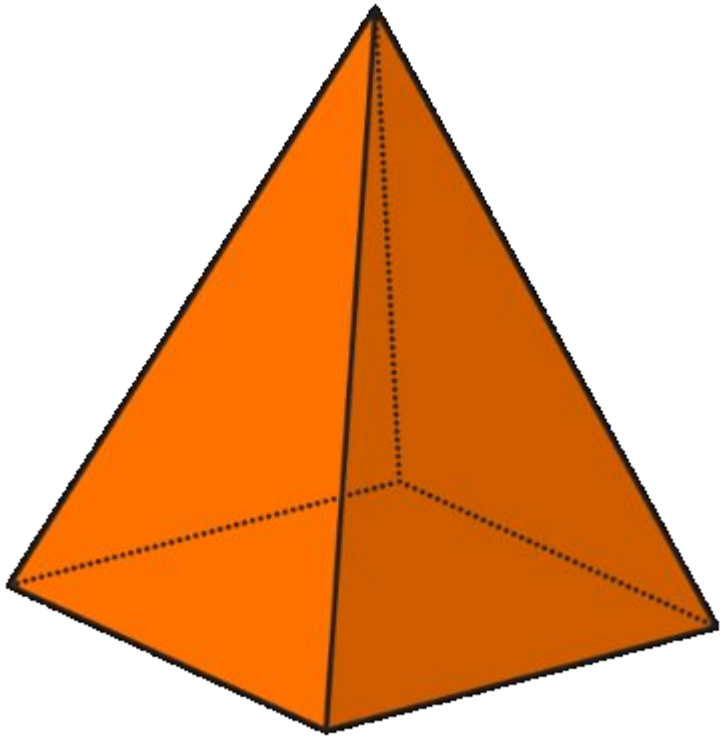




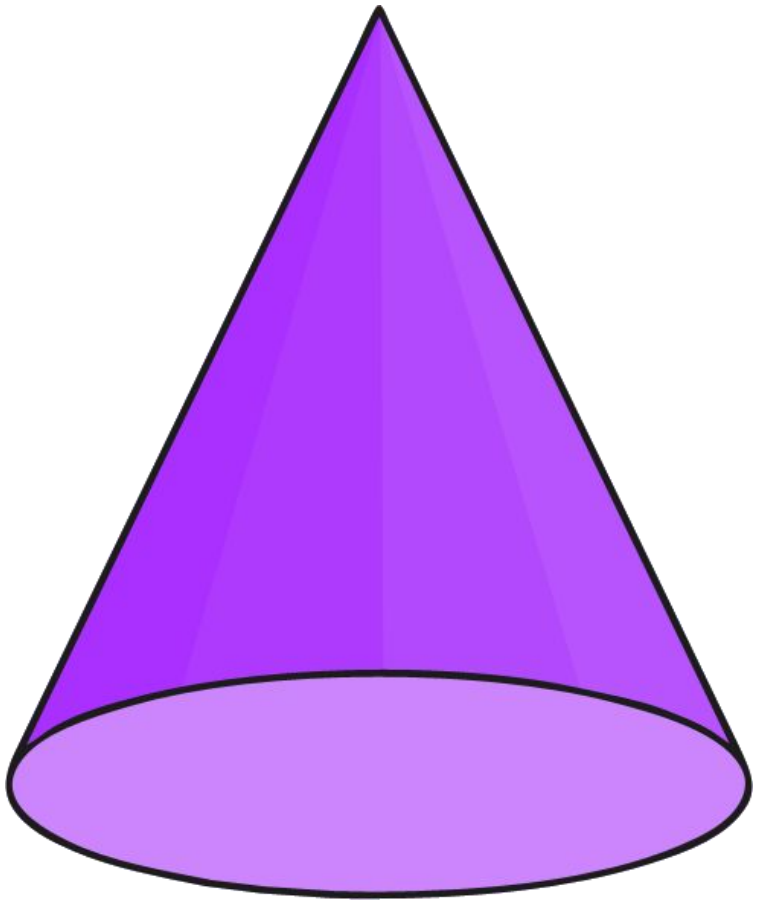
cube

cuboid

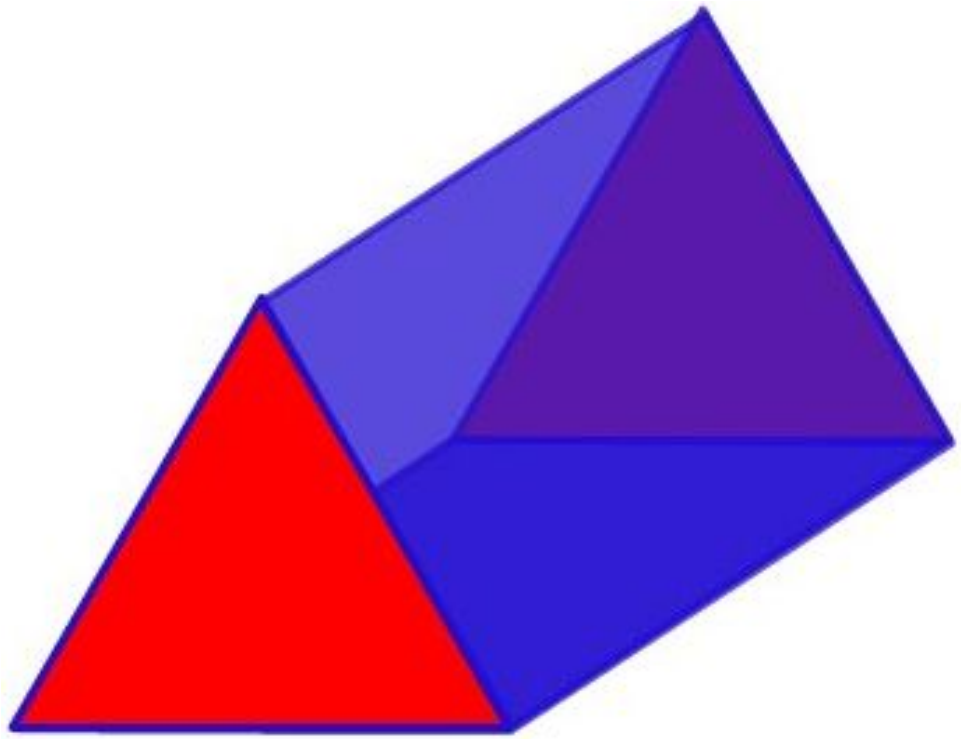
sphere



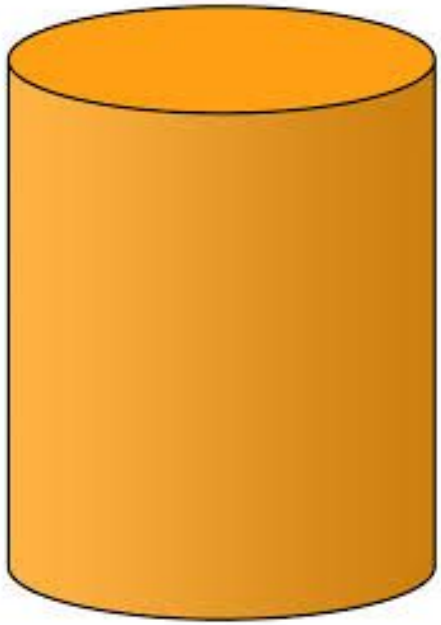
pyramid



cone



triangular prism



cylinder

Is it true or false?

If it's true.

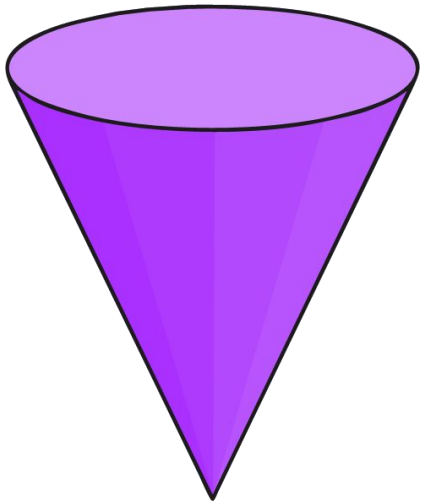
Thumbs up!

If it's false.

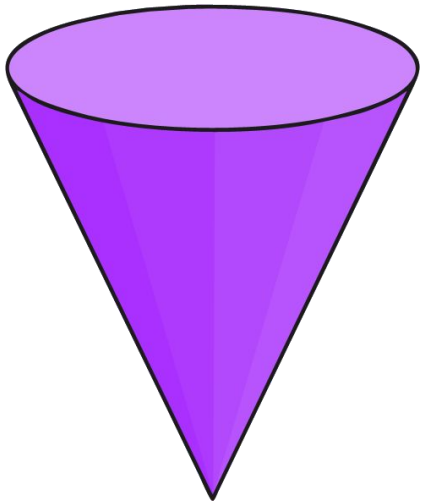
Thumbs down!

This is a sphere.

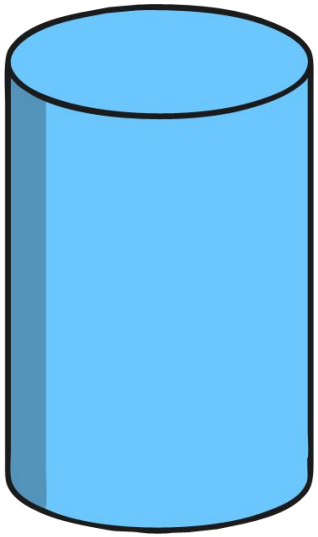
Yes, this is a sphere.



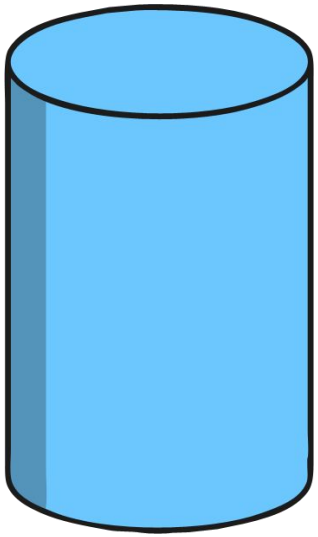
This is a cylinder.



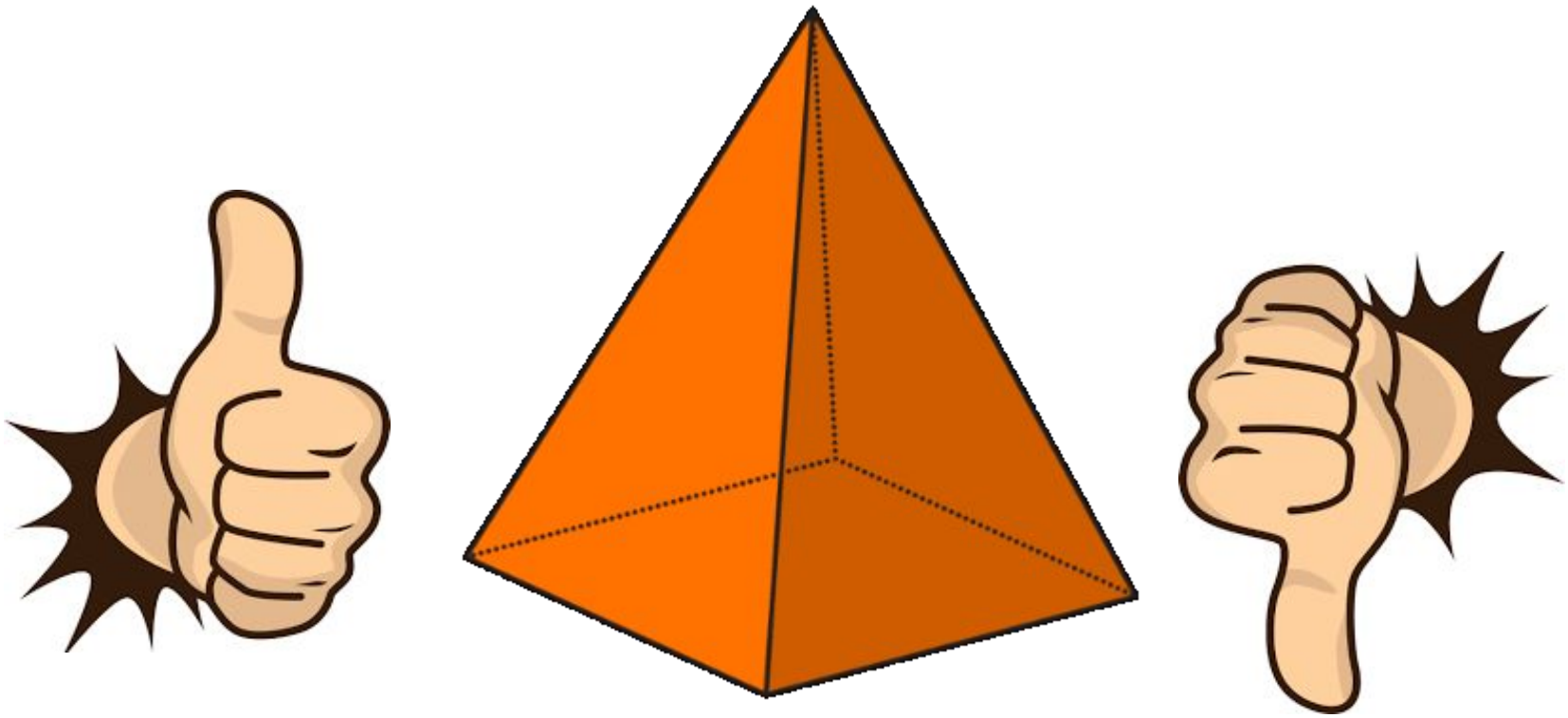
No, it's a cone.



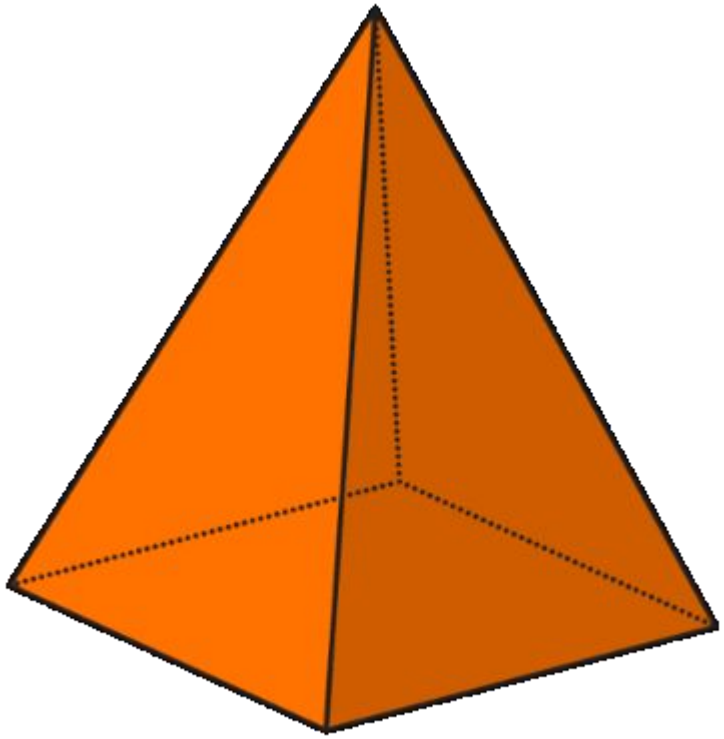
This is a cuboid.



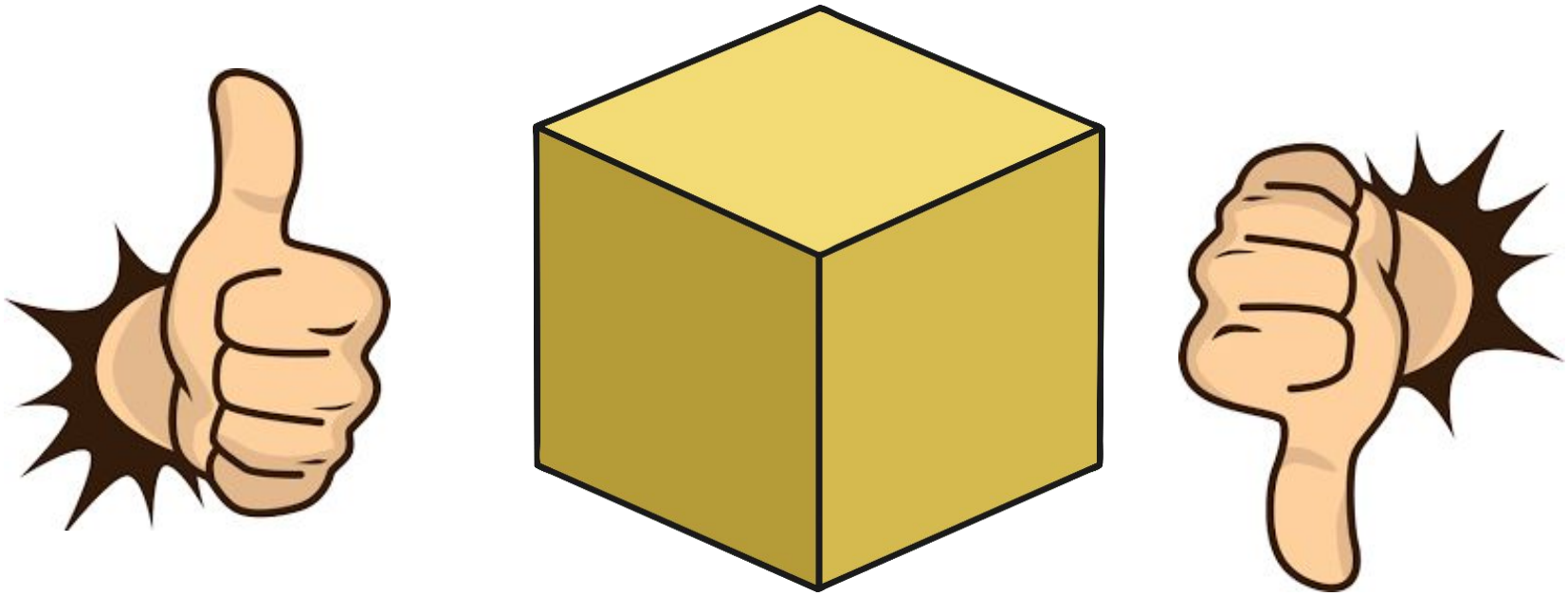
No, it's a cylinder.



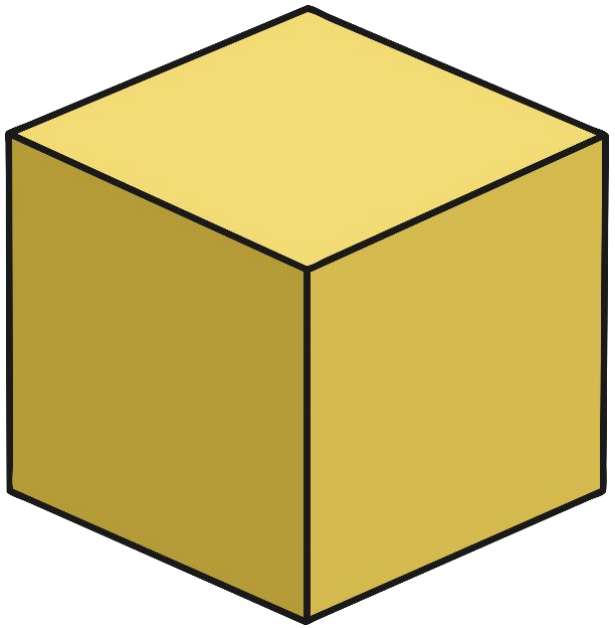
This is a pyramid.



Yes, this is a pyramid.



This is a cube.



Yes, this is a cube.

Drawing Activity

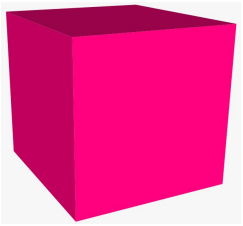
Now we will practice drawing 3D shapes.

The teacher will pick someone to draw one of the 3D shapes we have learned about today.

The teacher will then pick another student to guess the shape that has been drawn.

Drawing Activity

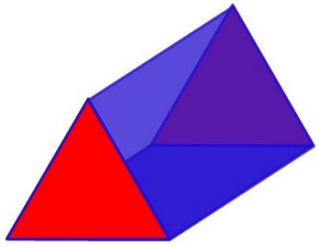
Let's take a moment to remember the 3D shapes.



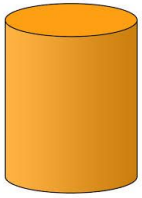
cube

sphere

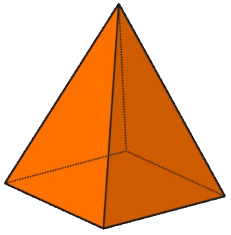
cuboid



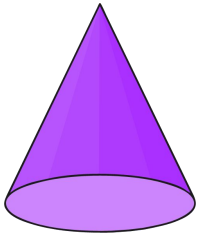
triangular prism



cylinder



pyramid



cone

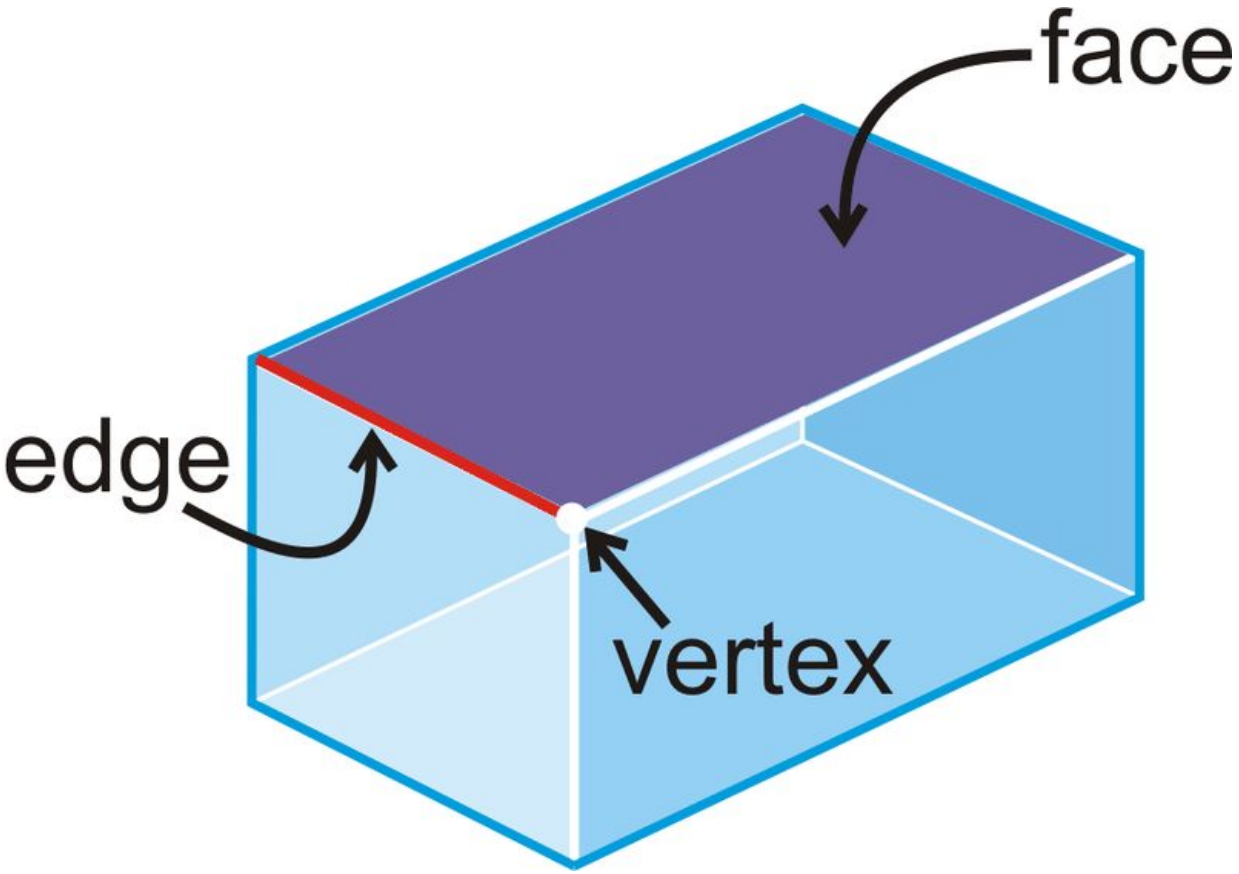
Drawing Activity

End of Period 1

Period 2

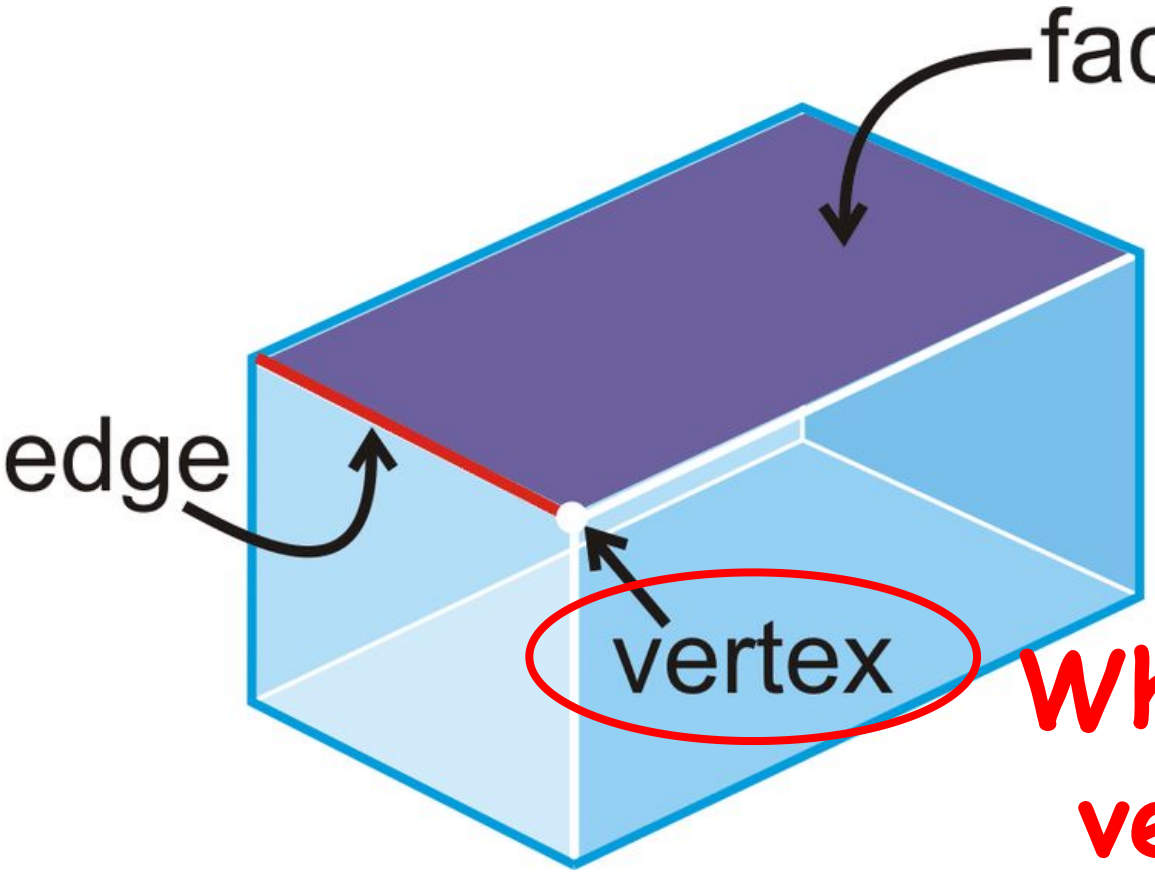
Properties of 3D shapes

Properties of 3D shapes



Shapes have faces, edges and vertices.

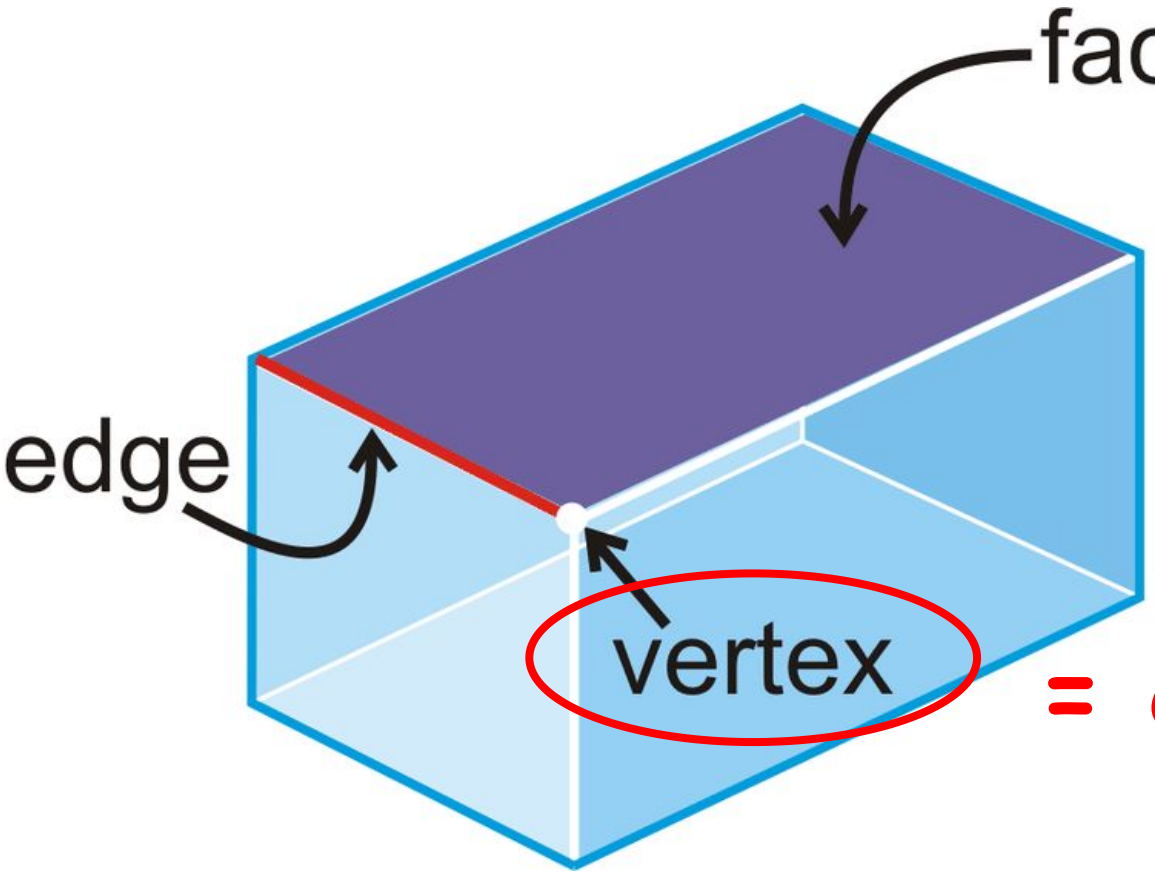
Properties of 3D shapes



What is a vertex?

Shapes have faces, edges and vertices.

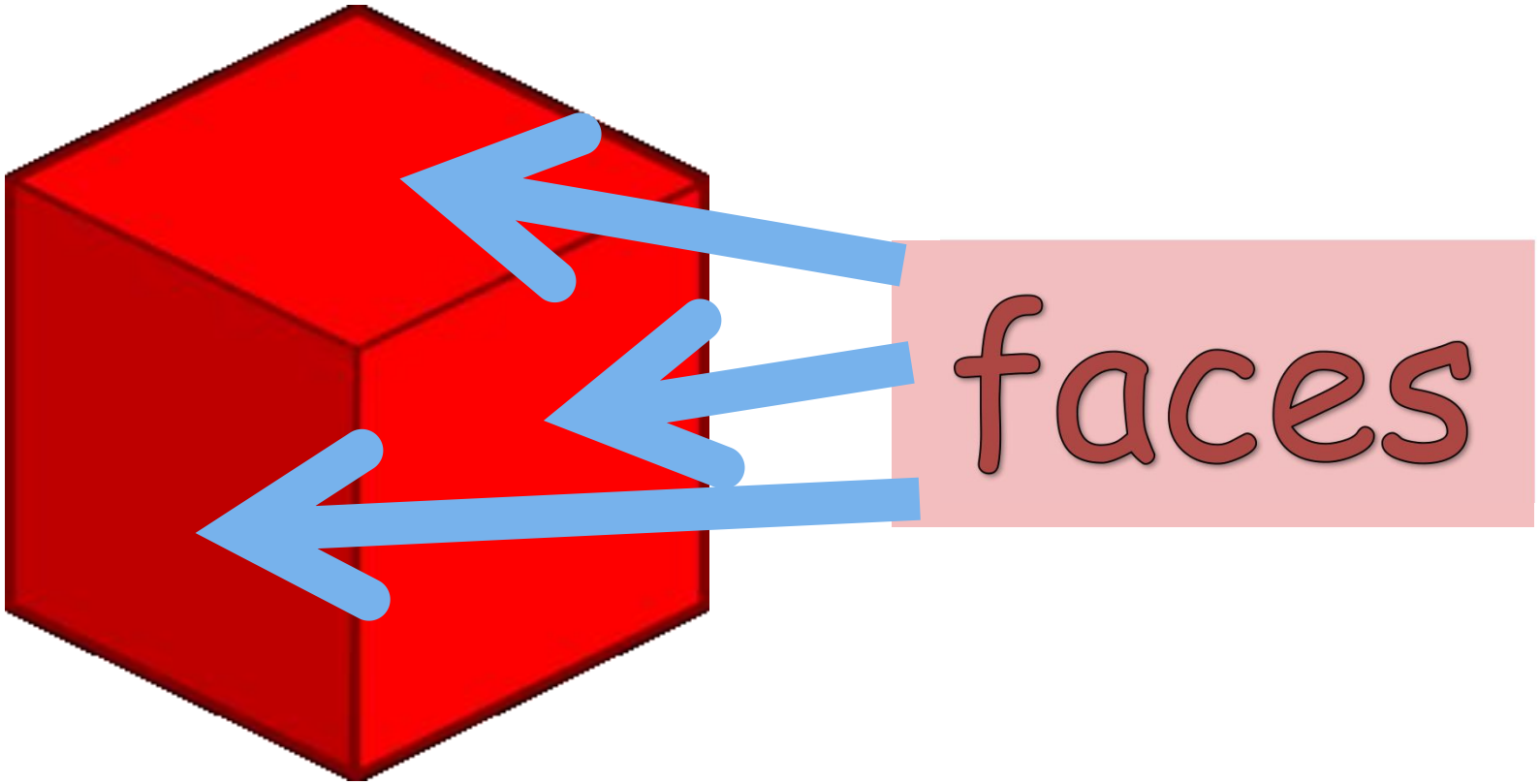
Properties of 3D shapes



= corner

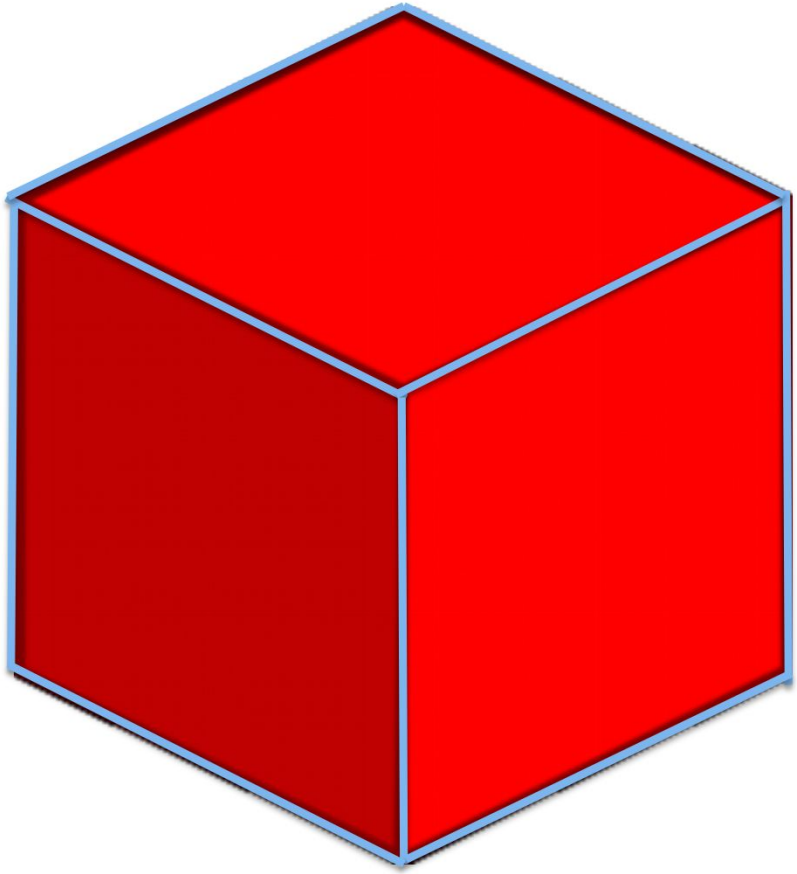
Shapes have faces, edges and vertices.

Properties of 3D shapes



Faces = the sides of the shape.

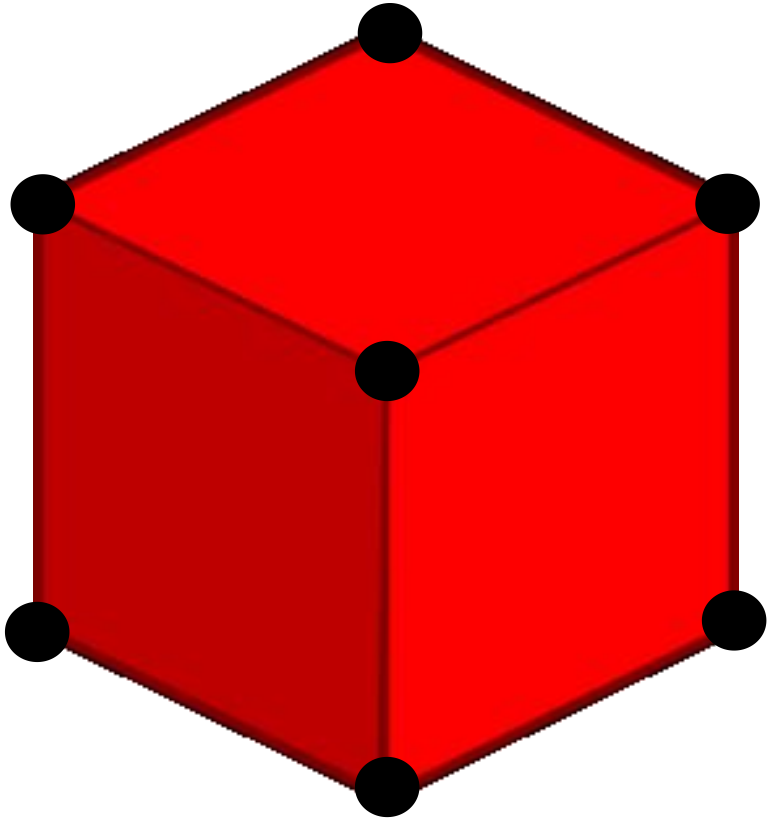
Properties of 3D shapes



edges

Edges = where the faces meet.

Properties of 3D shapes

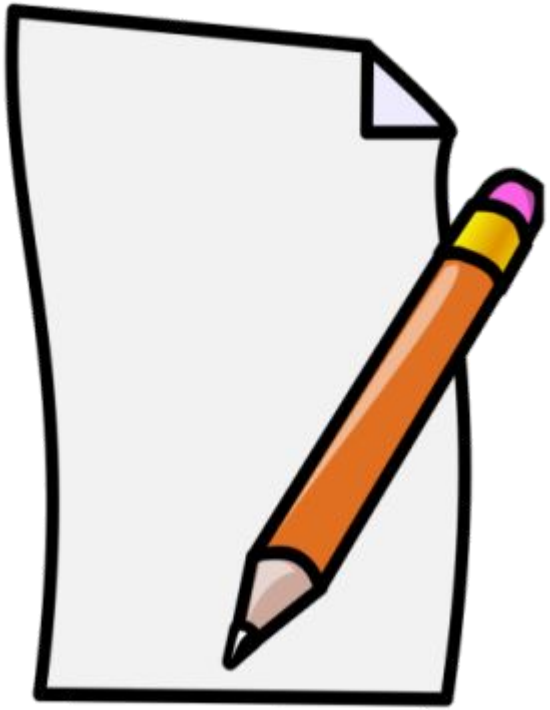


vertices

Vertices = the corners.

Properties of 3D shapes

Write the answer on your paper



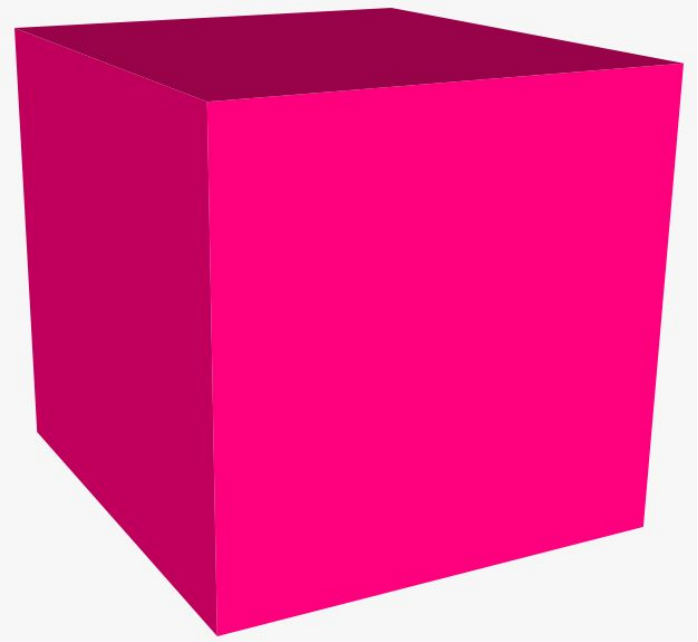
Raise your hand!

Properties of a cube

How many faces?

How many edges?

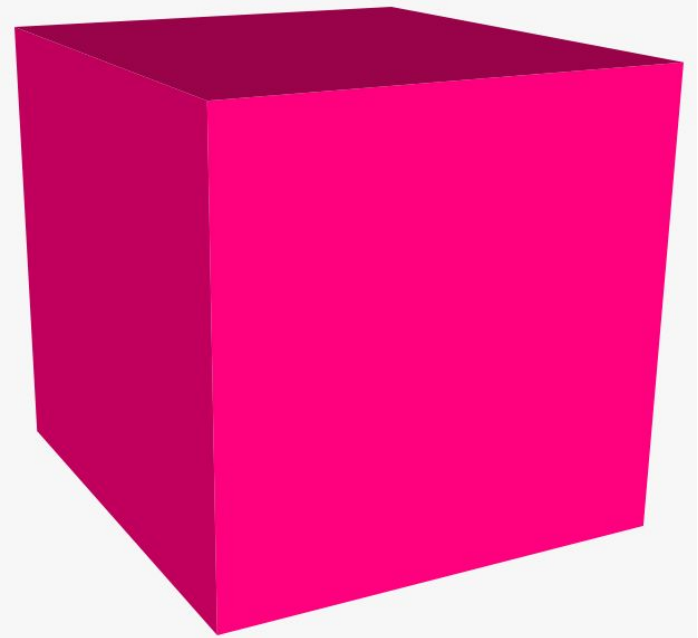
How many vertices?



Properties of a cube

Cubes have:

- 6 faces
- 12 edges
- 8 vertices



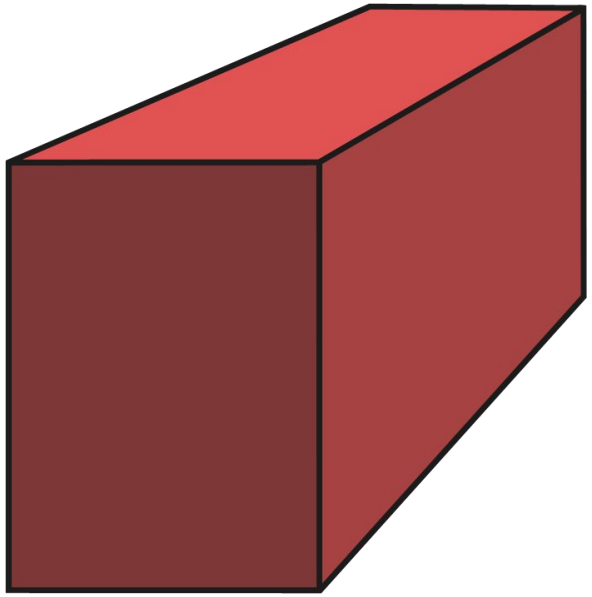
The edges are all the same length.

Properties of a cuboid

How many faces?

How many edges?

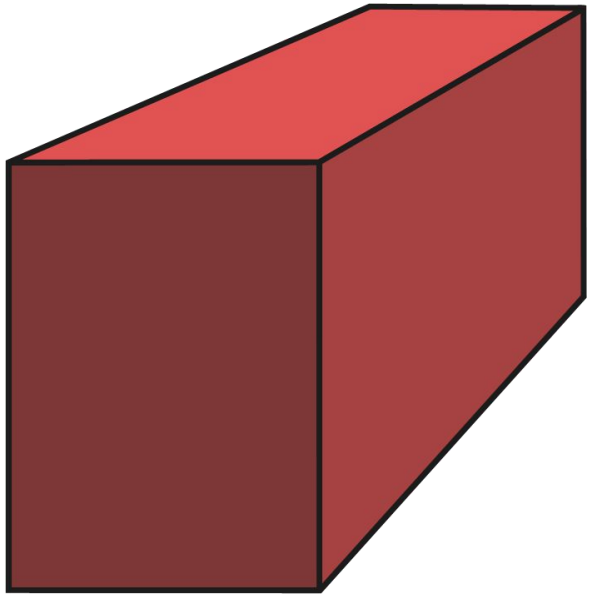
How many vertices?



Properties of a cuboid

Cuboids have:

- 6 faces
- 12 edges
- 8 vertices



The edges are not all the same length.

Properties of a sphere

How many faces?

How many edges?

How many vertices?

Properties of a sphere

Spheres have:

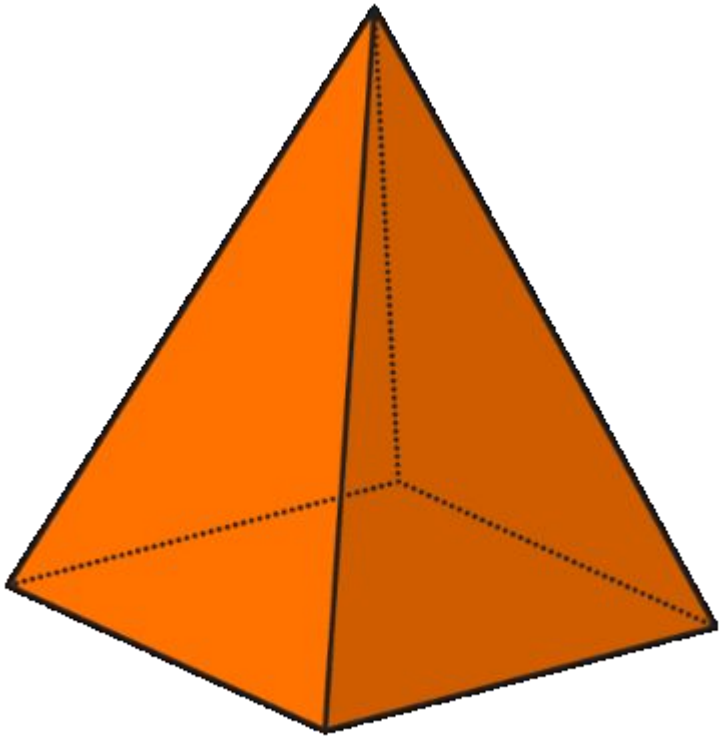
- 1 curved face
- 0 edges
- 0 vertices

Properties of a pyramid

How many faces?

How many edges?

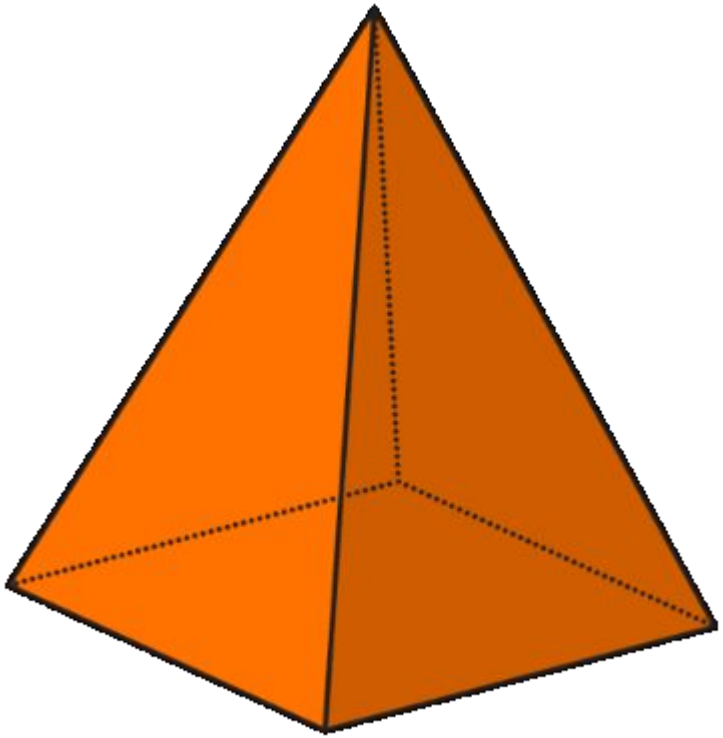
How many vertices?



Properties of a pyramid

Pyramids have:

- 5 faces
- 8 edges
- 5 vertices

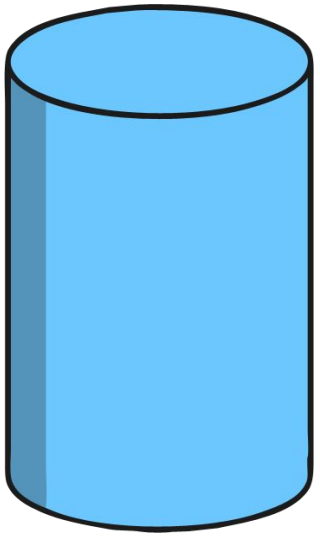


Properties of a cylinder

How many faces?

How many edges?

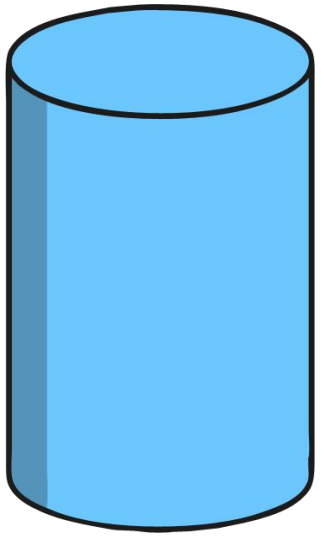
How many vertices?



Properties of a cylinder

Cylinders have:

- 3 faces
- 2 edges
- 0 vertices

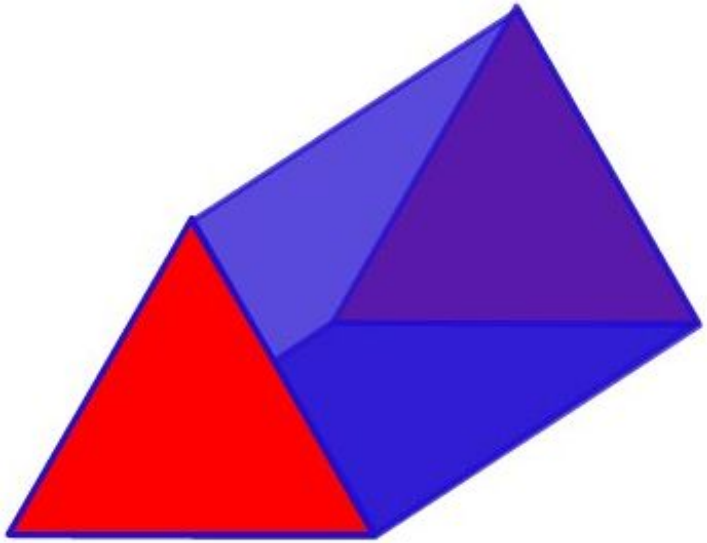


Properties of a triangular prism

How many faces?

How many edges?

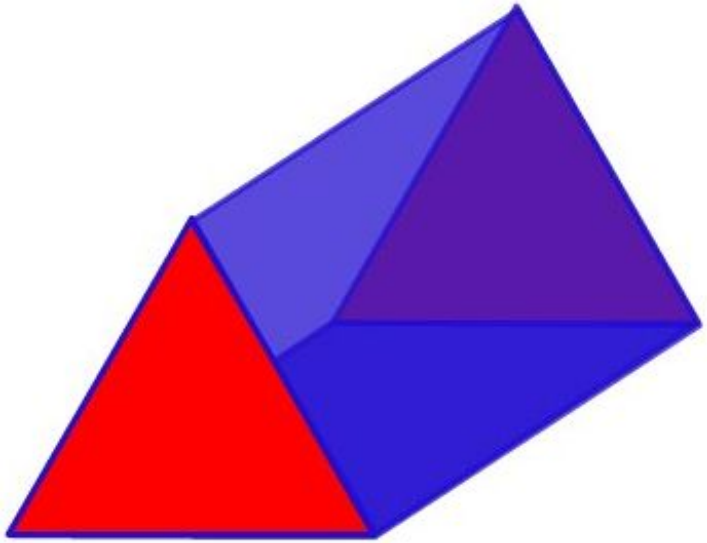
How many vertices?



Properties of a triangular prism

Triangular prisms have:

- 5 faces
- 9 edges
- 6 vertices

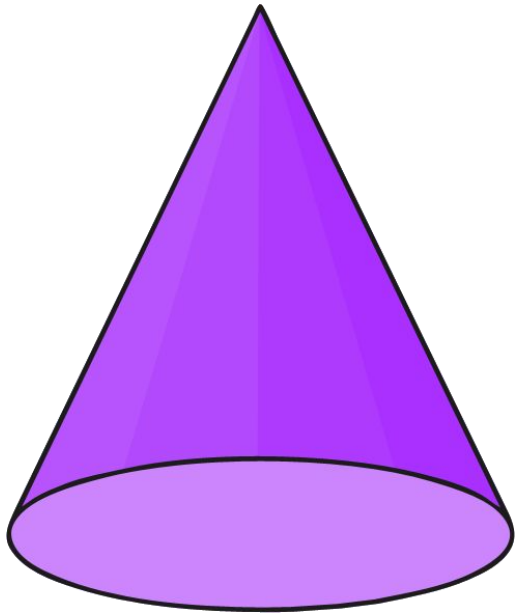


Properties of a cone

How many faces?

How many edges?

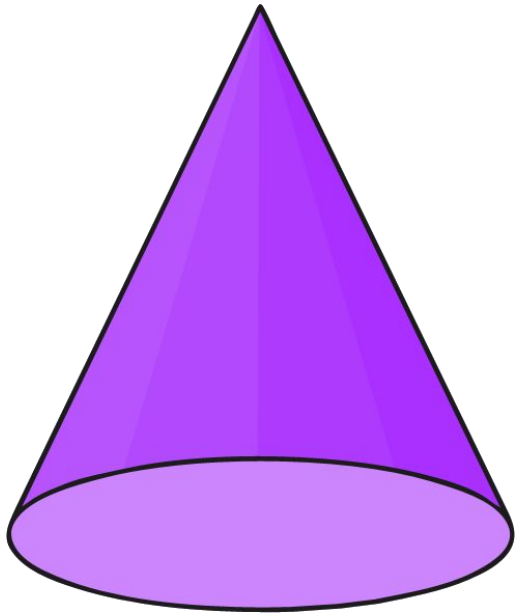
How many vertices?



Properties of a cone

Cones have:

- 2 faces
- 1 edge
- 1 vertex

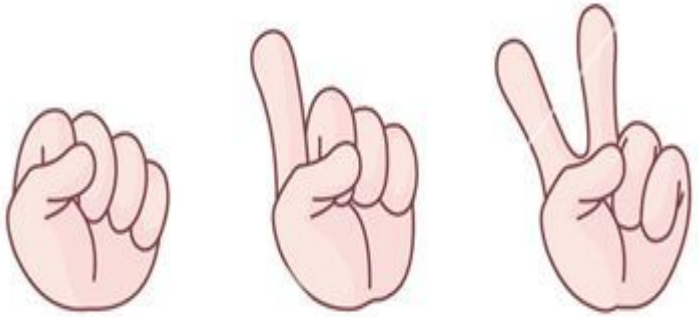


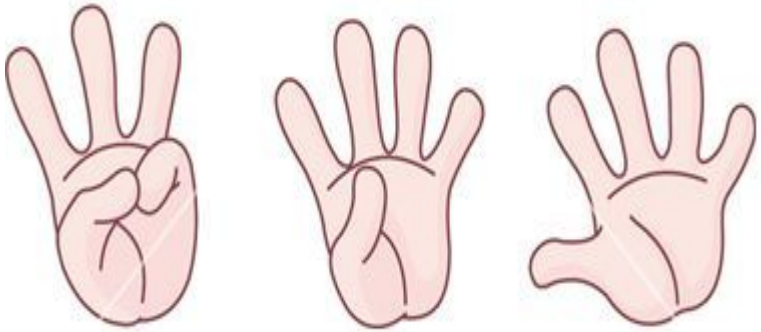
How many faces / edges /vertices?

A shape will appear on screen.

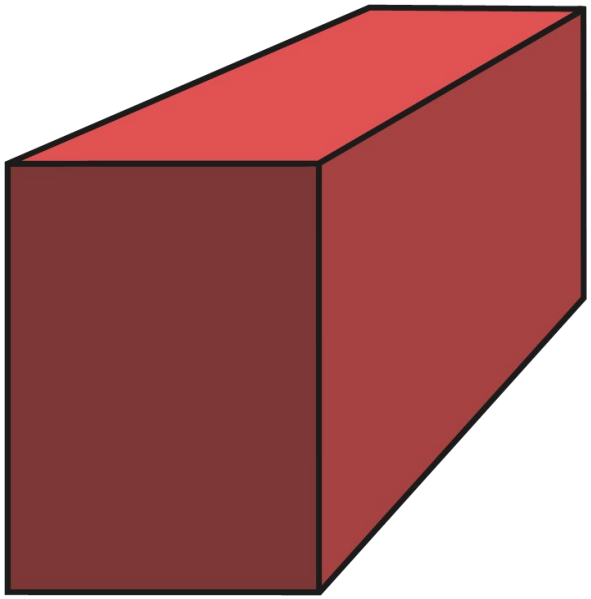
How many faces, edges, or vertices does it have?

Raise the correct number of fingers to the camera to answer or type your answer in the chatbox.

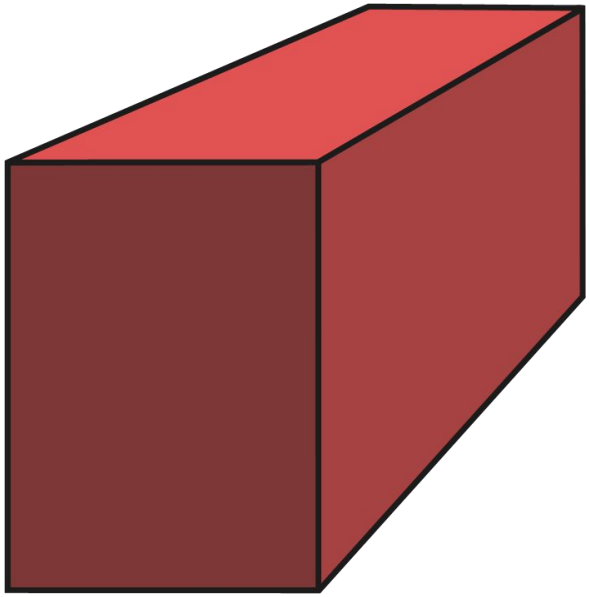




How many faces does it have?

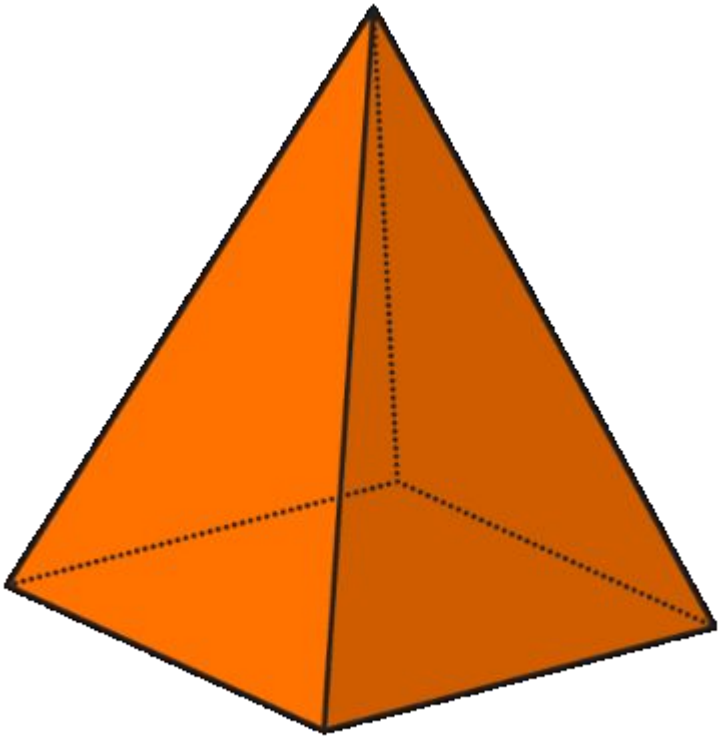


How many faces does it have?

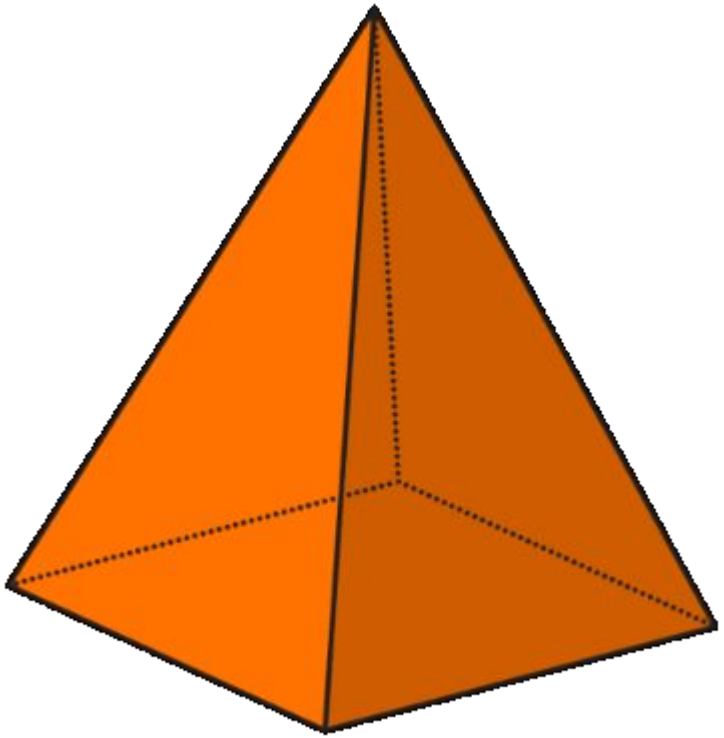


6

How many vertices does it have?

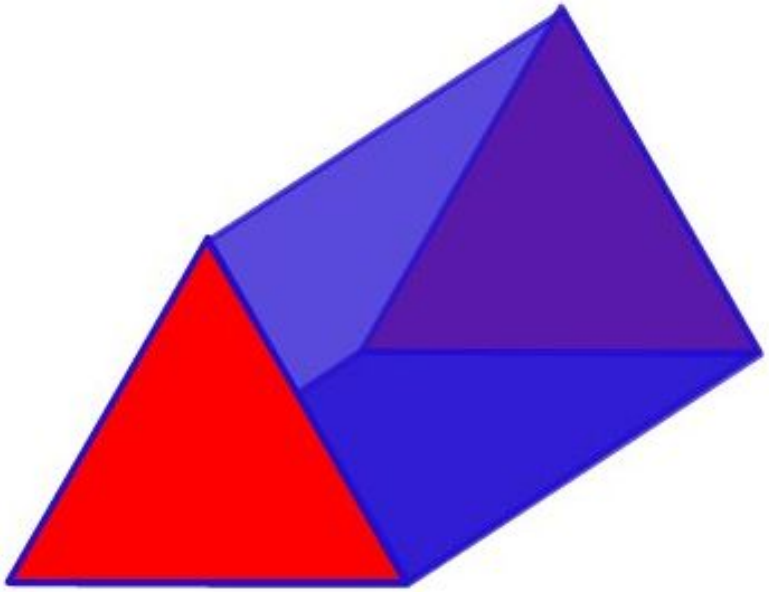


How many vertices does it have?

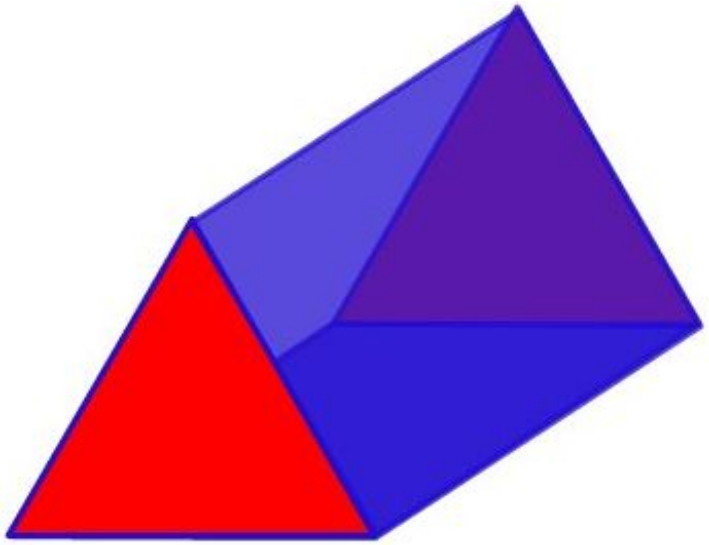


5

How many edges does it have?

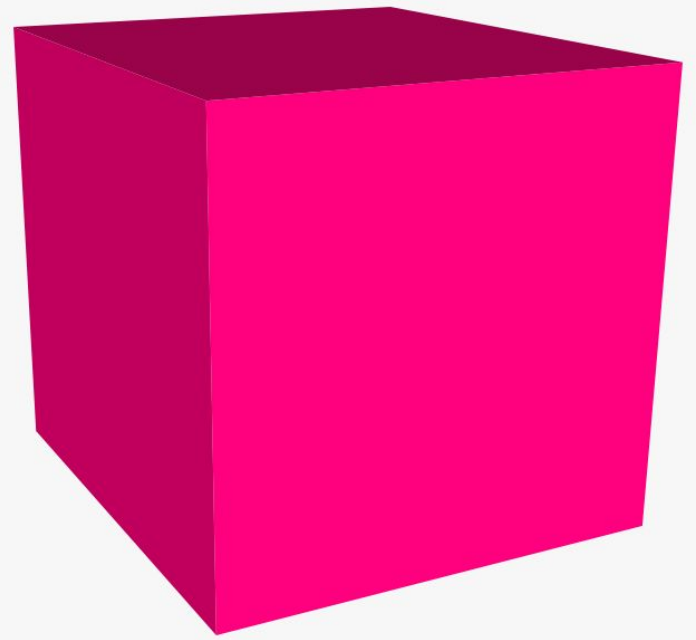


How many edges does it have?

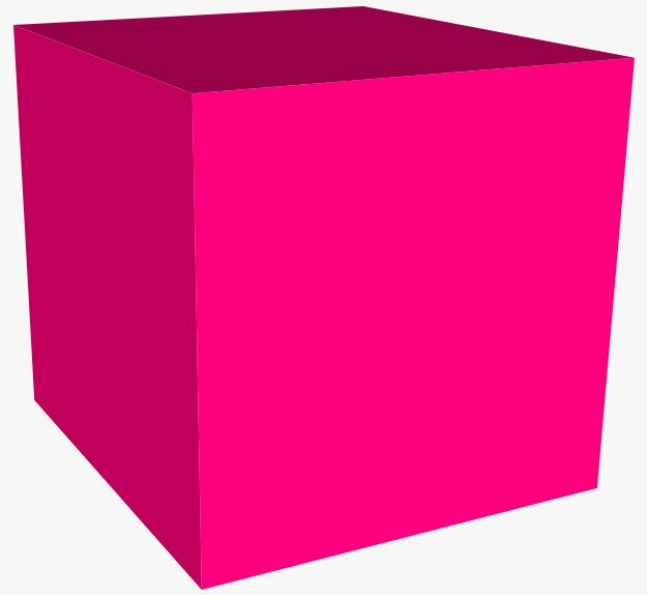


9

How many vertices does it have?



How many vertices does it have?



8

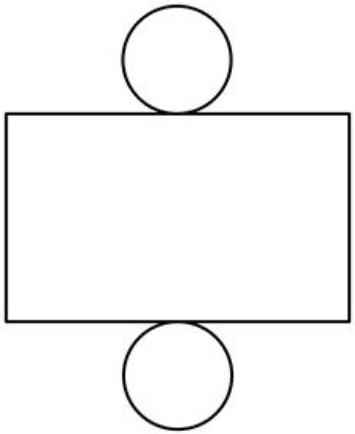
How many faces does it have?

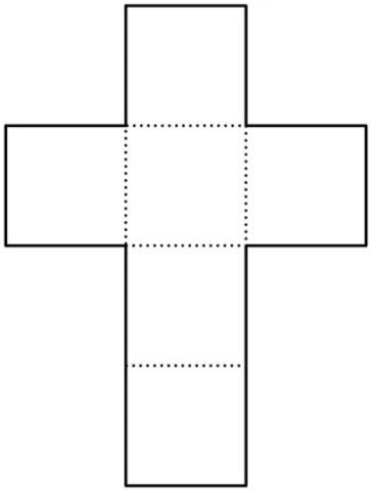
How many faces does it have?

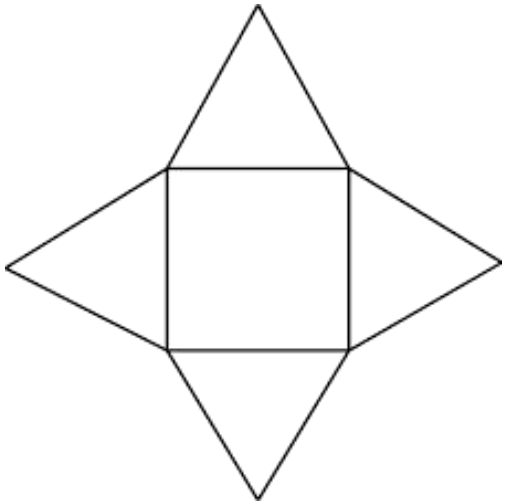
1

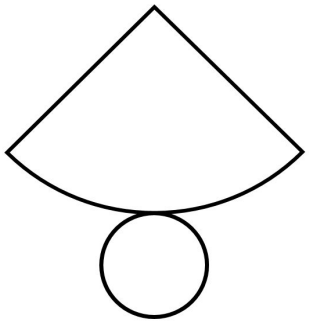
3D shapes and nets

Nets are just flat 3D shapes

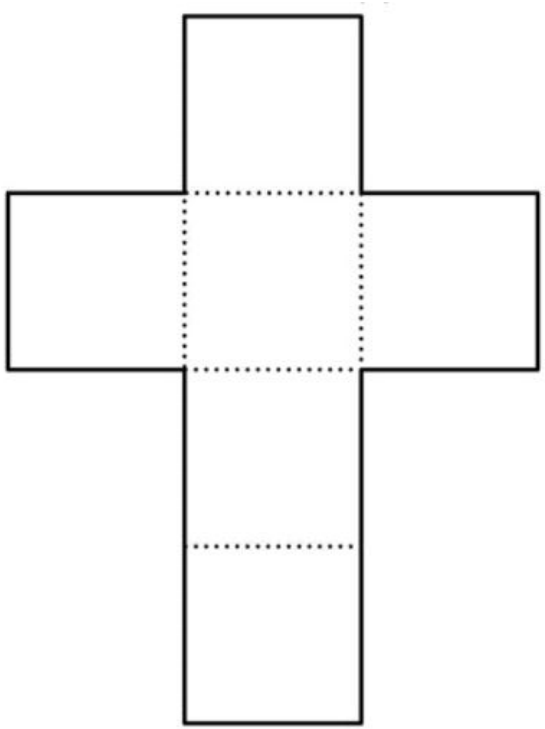




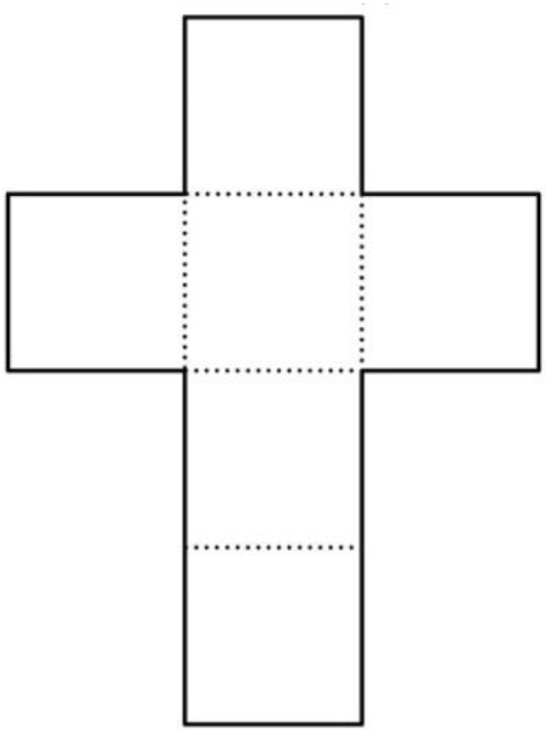


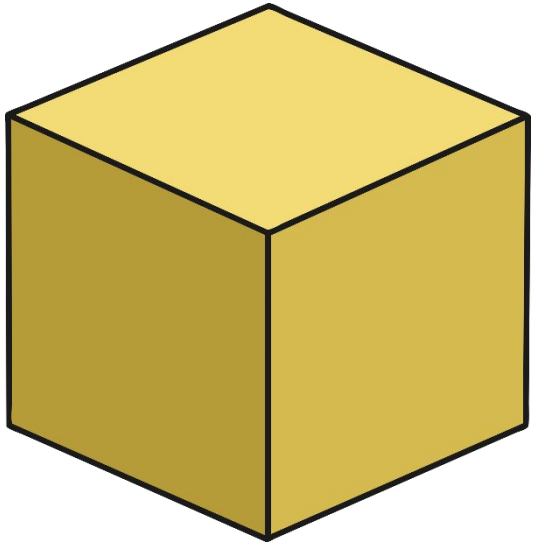


Which 3D shape can I make with this net?

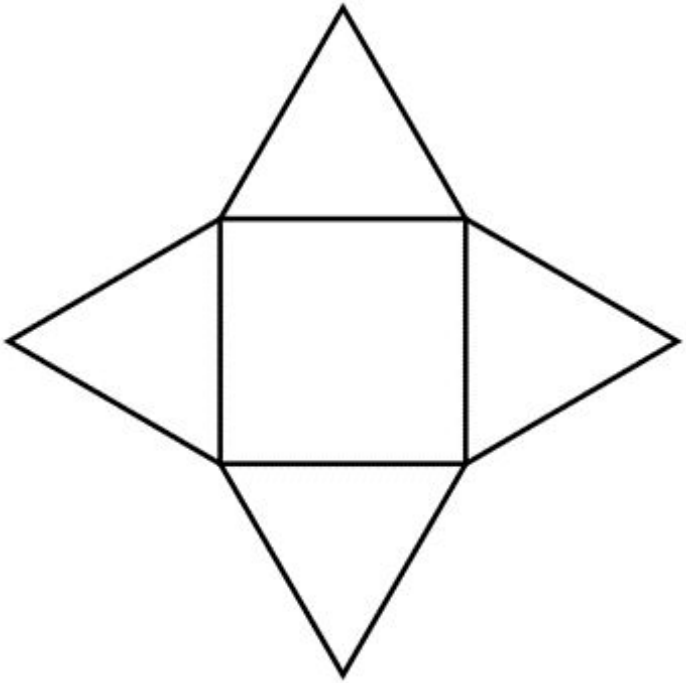


cube

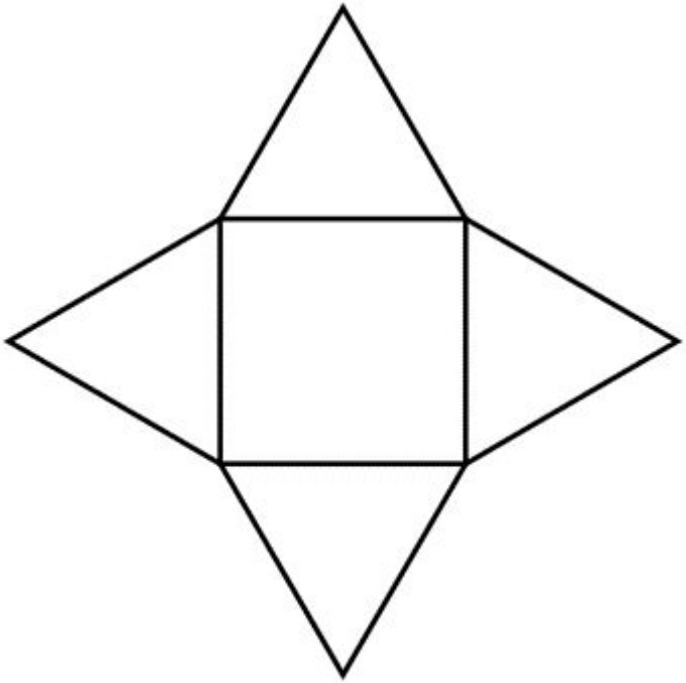


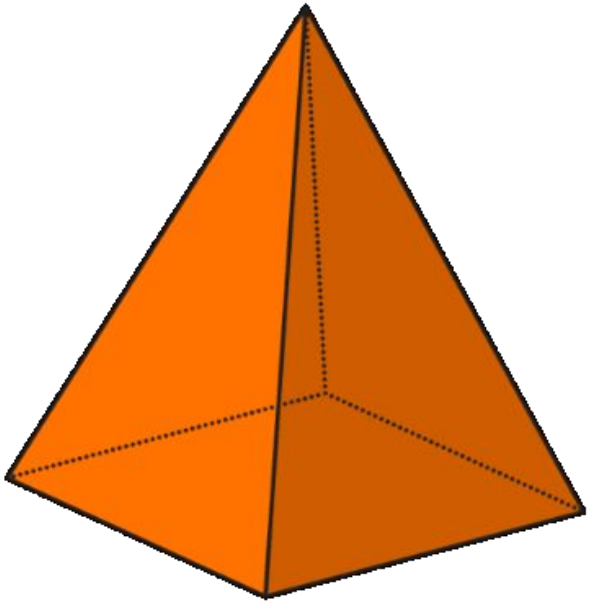


Which 3D shape can I make with this net?

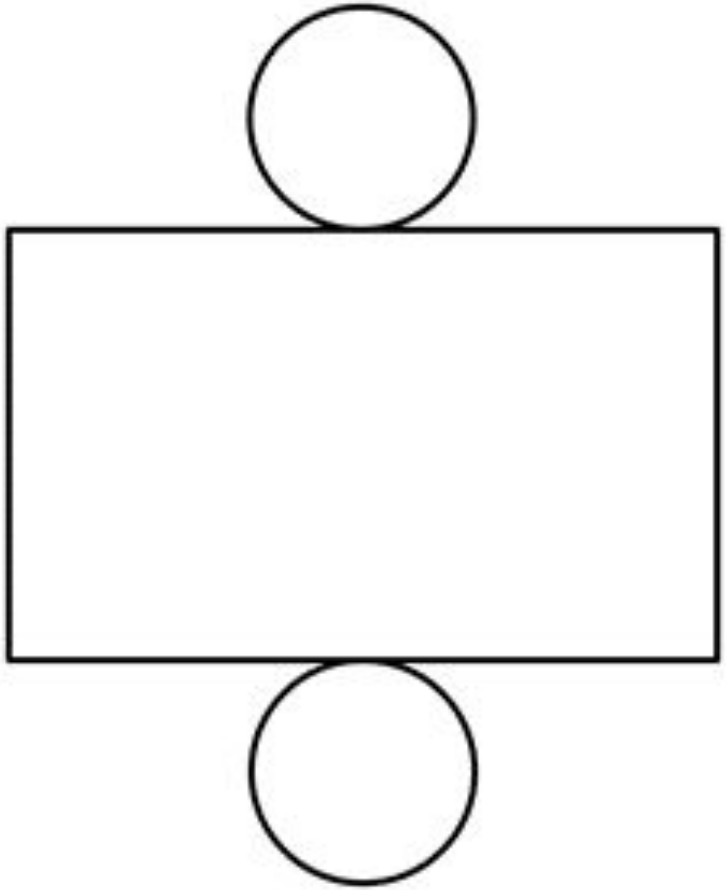


pyramid

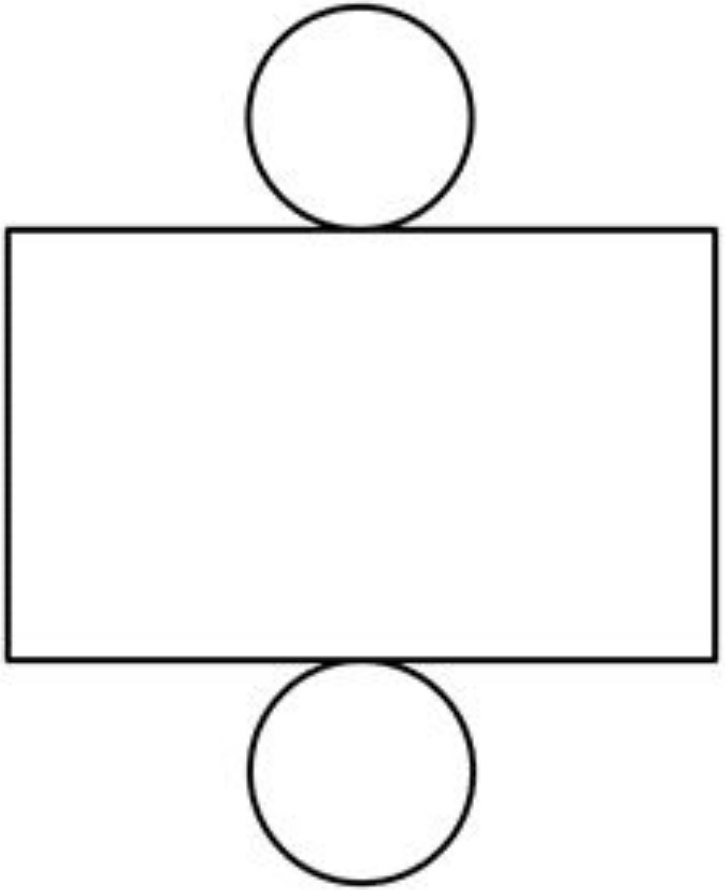


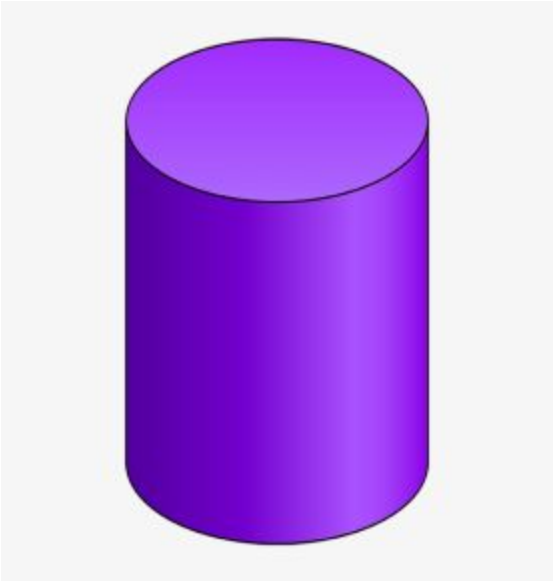


Which 3D shape can I make with this net?

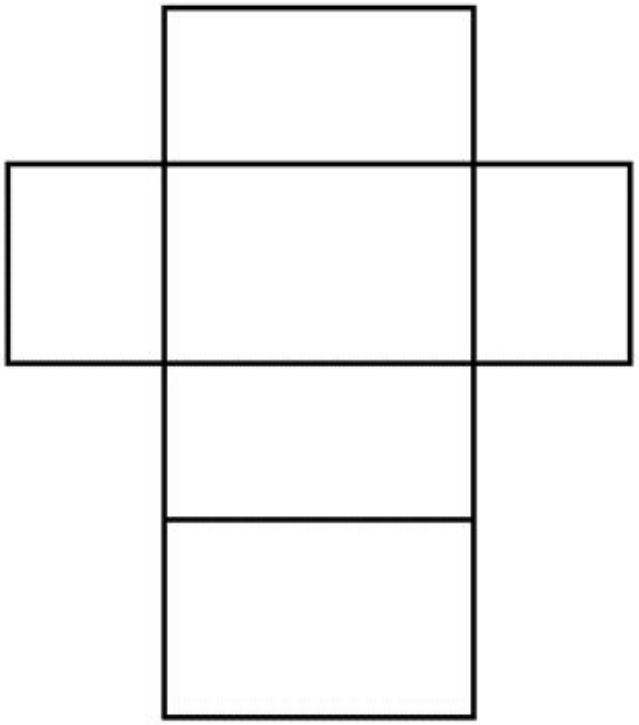


cylinder

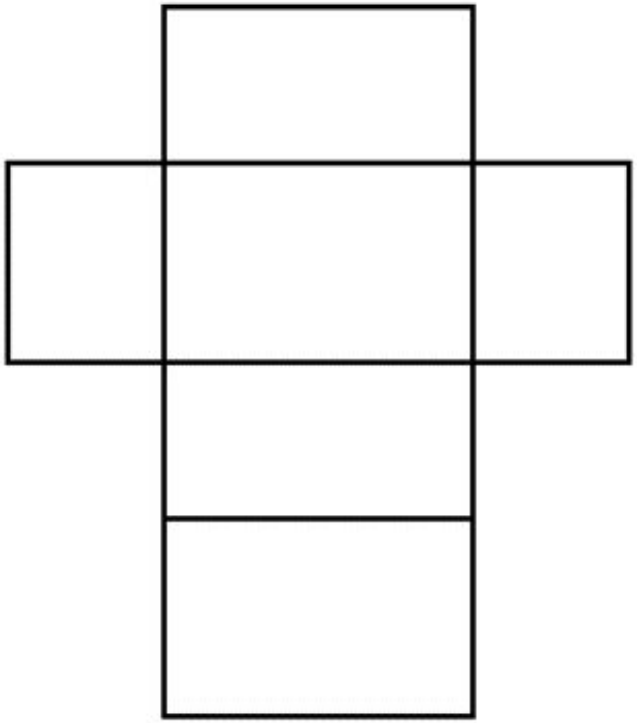


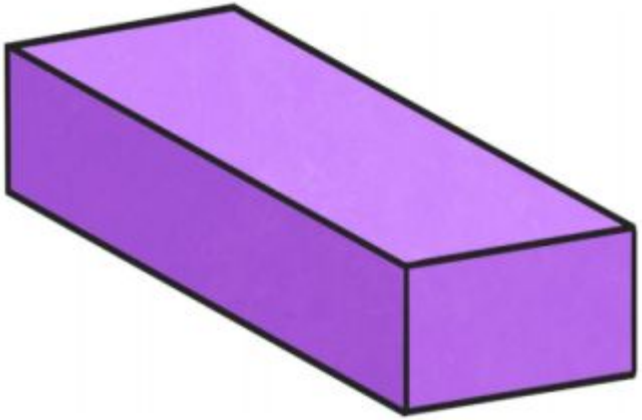


Which 3D shape can I make with this net?

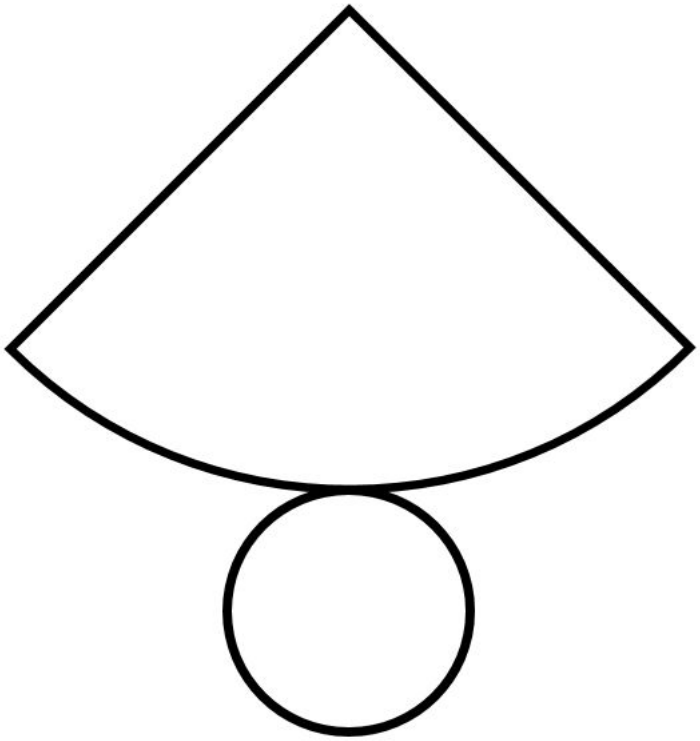


cuboid

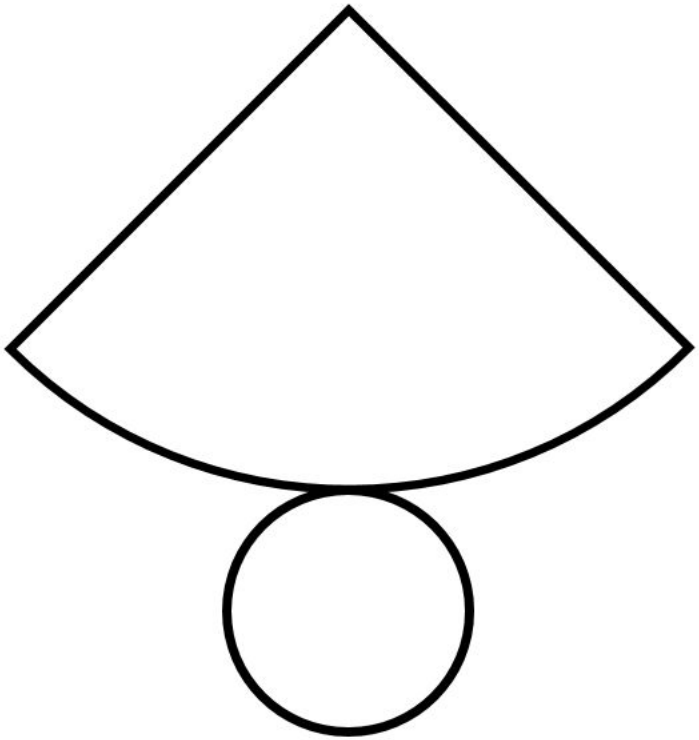


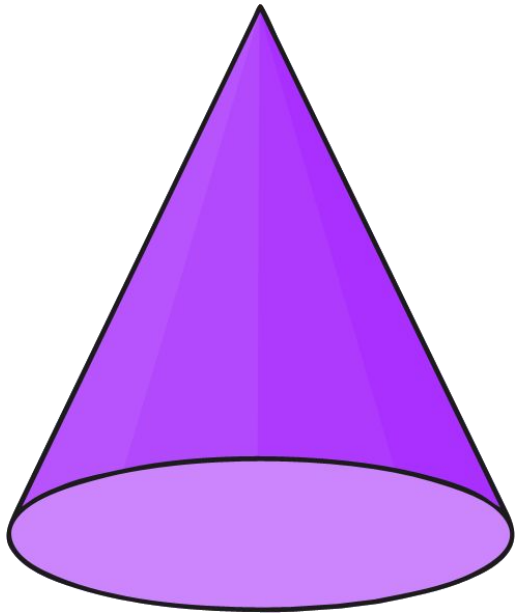


Which 3D shape can I make with this net?



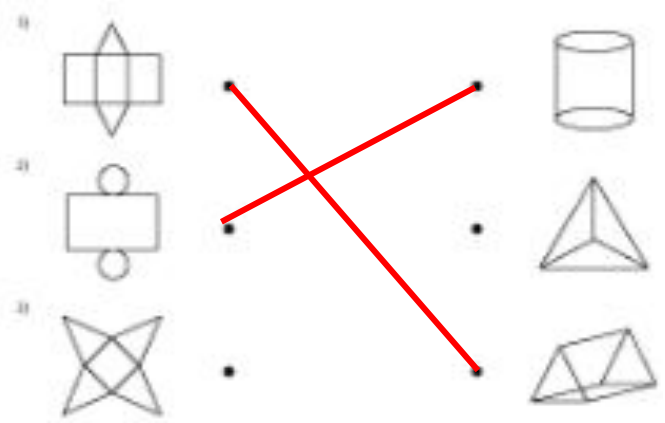
cone





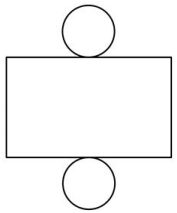
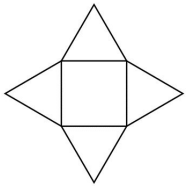
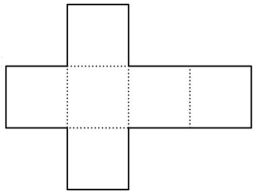
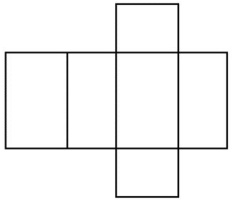
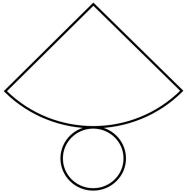
3D shape nets

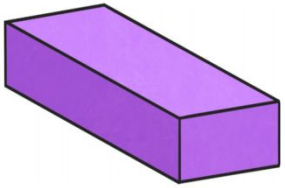
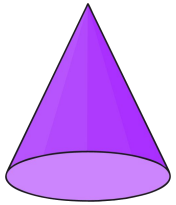
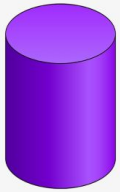
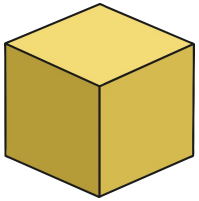
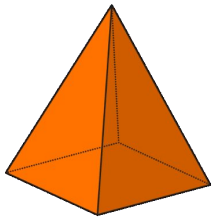
Draw a line to match the net to the correct 3D shape.



You can also write the answers in the chat box!

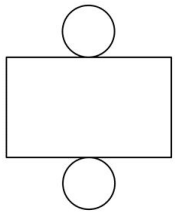
Draw a line to match the net to the correct 3D shape

1.	
2.	
3.	
4.	
5.	

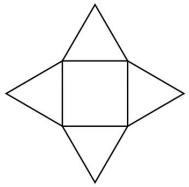






Draw a line to match the net to the correct 3D shape

1.



2.



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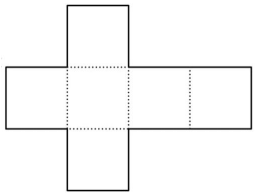
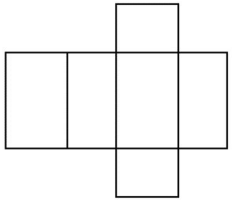
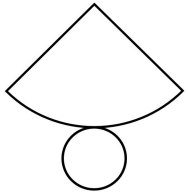
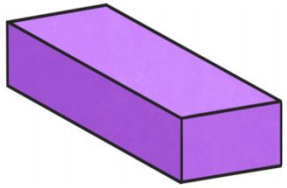


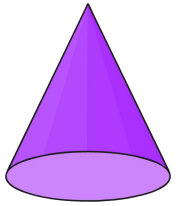
4.

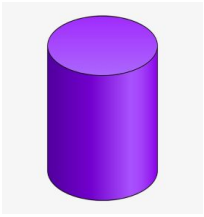


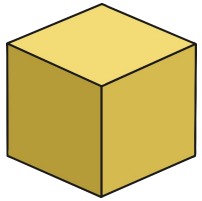
5.

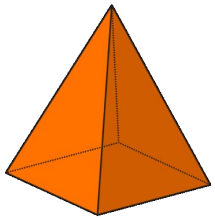




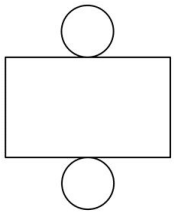
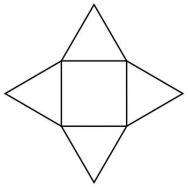
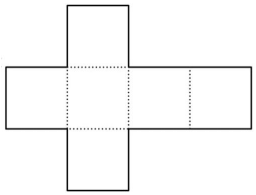
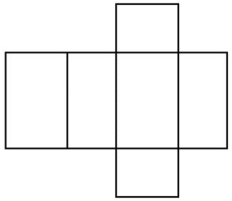
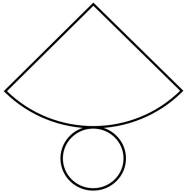






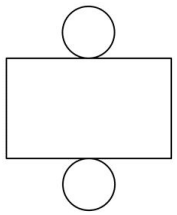
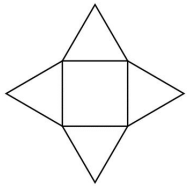
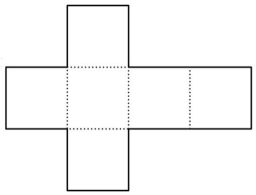
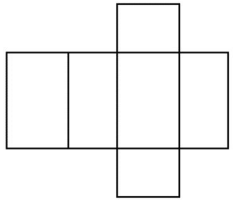
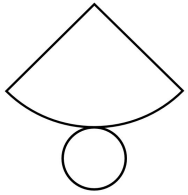


Draw a line to match the net to the correct 3D shape

1.	
2.	
3.	
4.	
5.	

cone
cuboid
cylinder
pyramid
cube

Draw a line to match the net to the correct 3D shape

1.		cone
2.		cuboid
3.		cylinder
4.		pyramid
5.		cube

End of Period 2