GEOMETRY

8

3D SHAPES

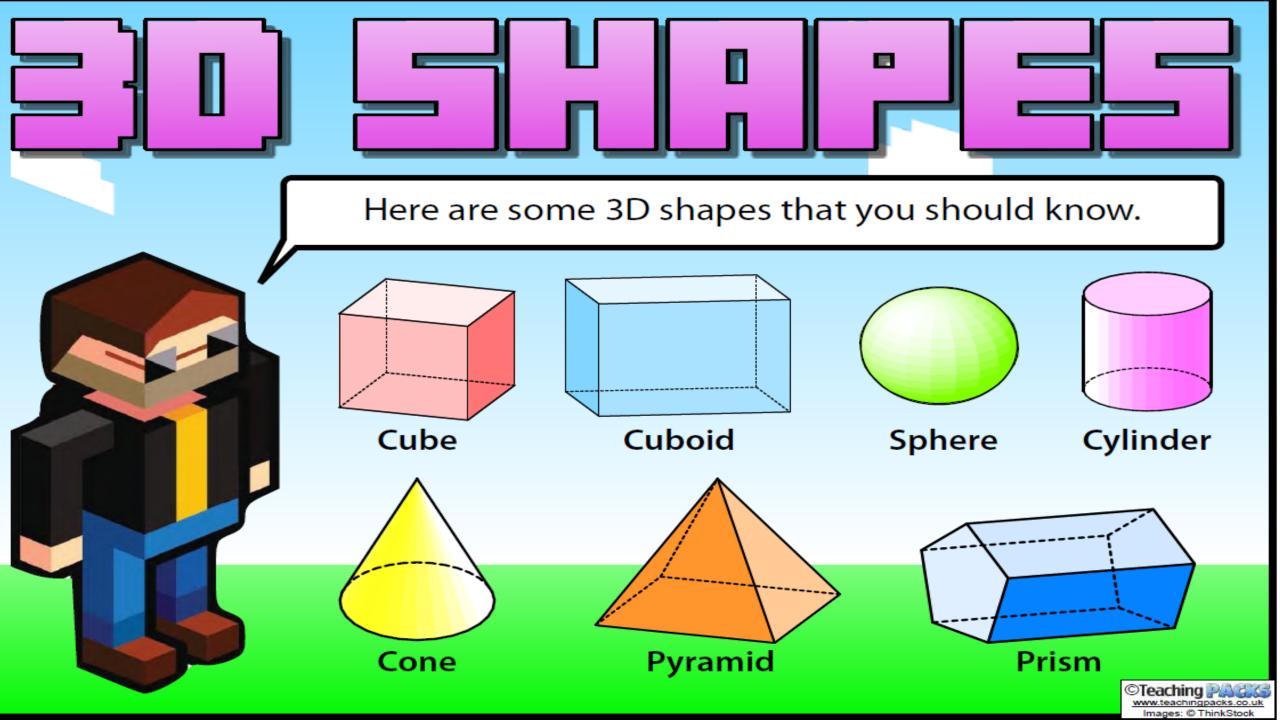
3D shapes are everywhere!

If you look around, you will see objects that are made from many different 3D shapes.

How many can you identify?

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A <u>pyramid</u> has a flat base with triangles that meet to make a point at the top.

> This pyramid has a square base. Other pyramids will have different properties.

			. // \	
	Name	Pyramid		
	Faces	5		
	Edges	8		
	Vertices	5		

Apex

The **base** of a pyramid can be any shape with straight sides, including a triangle, square, rectangle, hexagon or octagon!

Triangle-based pyramid

> Square-based pyramid

The Great Pyramids of Egypt are the most famous pyramids in the world. Do you know what shape their bases are?

A pyramid has a flat base and faces that slope inwards to form a vertex at the top. Pyramids are named according to the shape of their base.



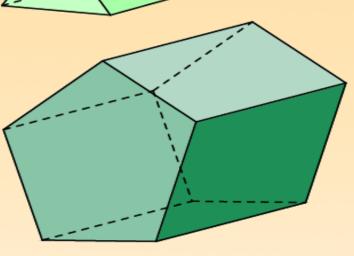


The two opposite faces on a prism are always the same shape. A prism can be also cut into slices which are all the same shape.

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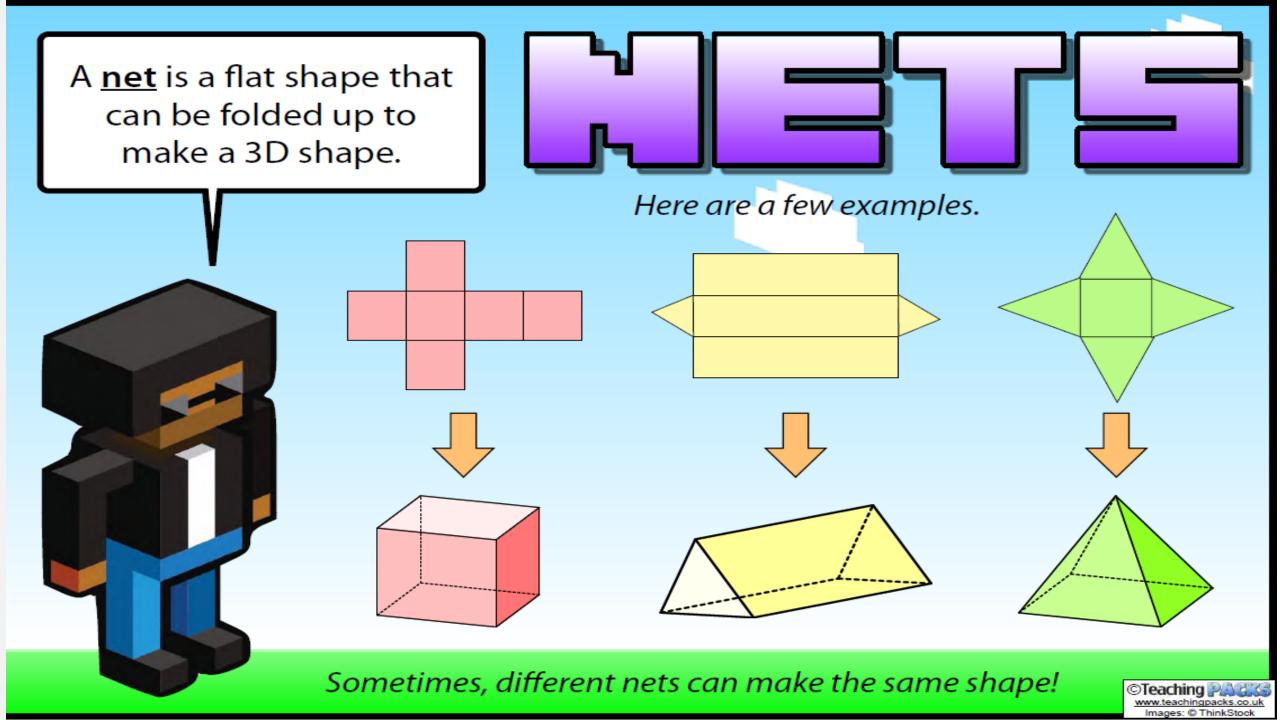
Image: © ThinkStock

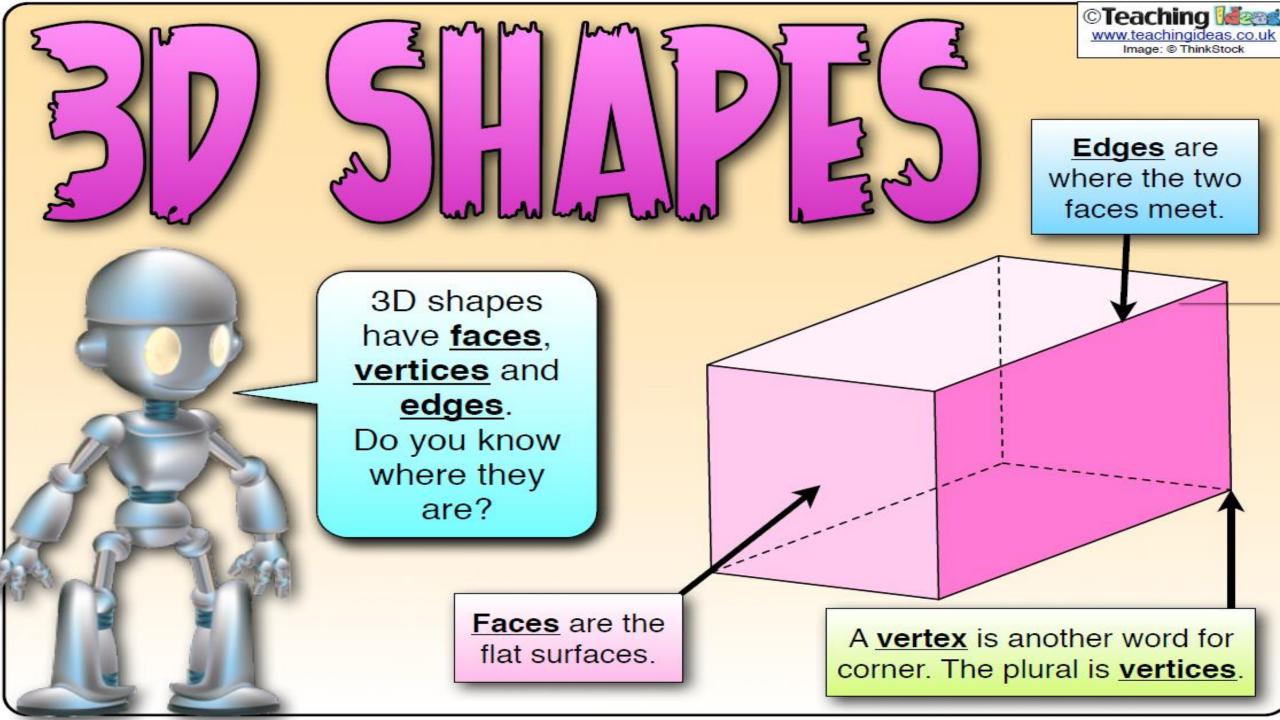




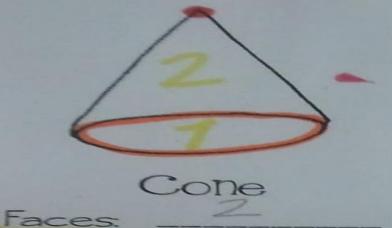
Did you know that that cubes and cuboids are rectangular prisms? IEXAGONAL PRISM

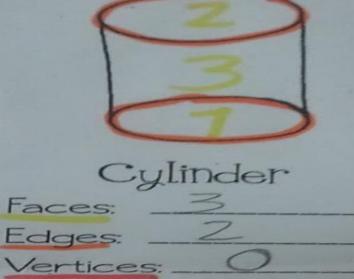
How many other prisms can you think of?

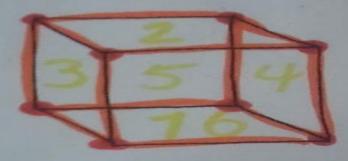




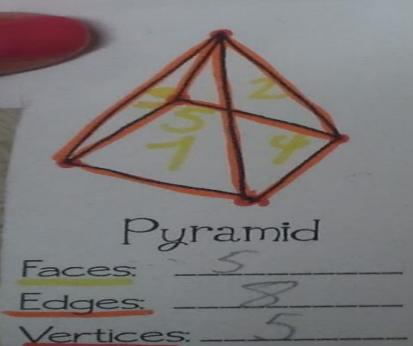
3-D Shapes







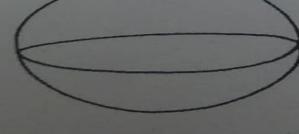
C	Cube
Faces:	6
Edges:	12
Vertices	



Edges:

Vertices:

Rectangular Prism Faces: Edges. Vertices



Spher	re
aces:	1
Edges	0
Vertices:	0