

Mathematics

**3-D Shape:**  
**Consolidating 3-D shape learning**

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# 3-D shape vocabulary

**Face**

A corner where edges meet.

**Edge**

A flat or curved surface on a 3-D shape.

**Vertex**

Corners where edges meet.

**Vertices**

The area where 2 faces meet.

**Apex**

The vertex at the top of the shape.



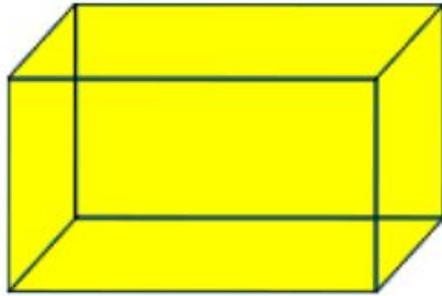
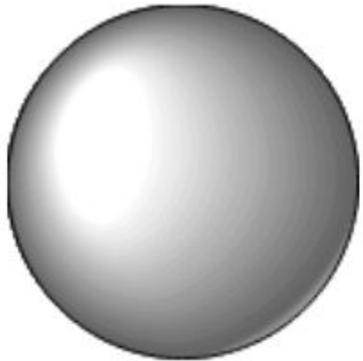


Pause the video to complete your task



Resume once you're finished

Can you use the vocabulary to label these shapes?



*'This shape is called a \_\_\_\_\_ and has \_\_\_\_\_ faces, \_\_\_\_\_ edges and \_\_\_\_\_ vertices.'*

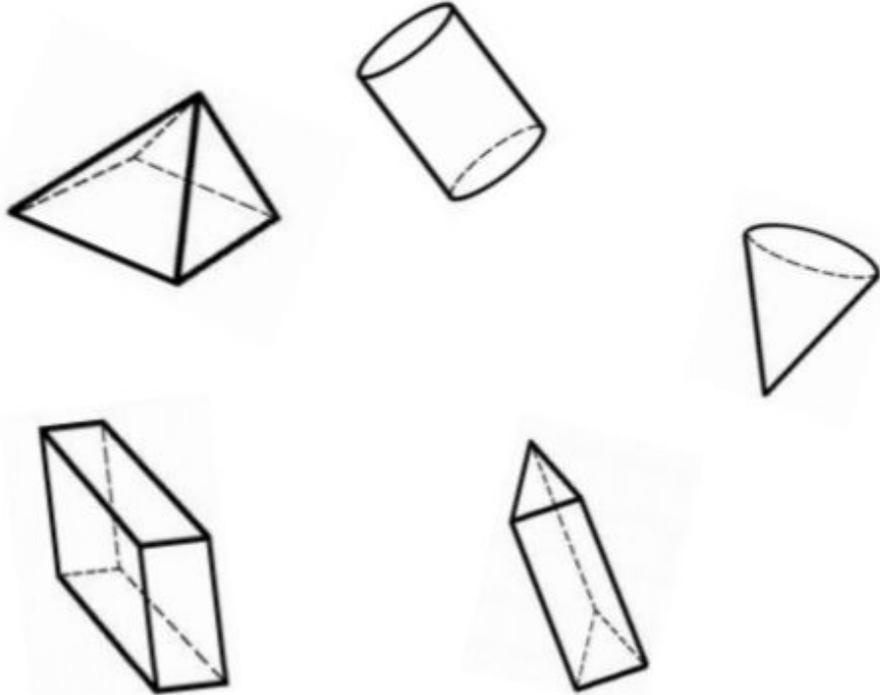




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Resume once you're finished



The following shapes are divided into 2 groups according to their properties: what could the groups be?

E.g. 'Has flat surfaces',  
'Has curved surfaces'.



# Application of 3-D shape learning

This shape has six rectangular faces.

***What is the shape?***

***What else can you tell me about it?***

This shape has zero vertices and zero straight edges.

***What is the shape?***

***What else can you tell me about it?***





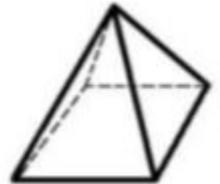
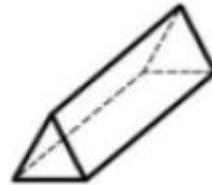
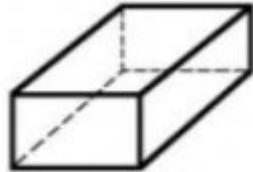
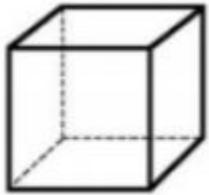
Pause the video to complete your task



Resume once you're finished



I have some shapes in a bag. In total, there are 12 faces and 12 vertices. What could my shapes be?



# Independent Task



Pause the video to complete your task

Resume once you're finished

Complete the table using items that you can find in your house.

Shape	Items	Properties
Cuboid		
Triangular prism		
Cone		
Cylinder		

