

Canonbury Home Learning
Year 3 Maths
Steppingstone activity



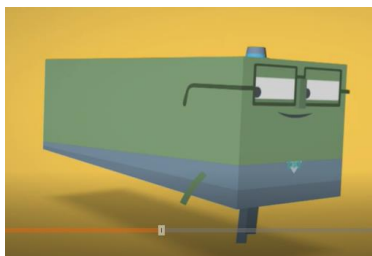
Lesson 24

LO: To recognise 3D shapes

Success Criteria:

1. Look around your house for examples of each 3D shape.
2. Draw or take a photo of each shape you find – can you find an example of all of them?
3. Count the number of faces on each shape and fill out a table of your information.

3D shapes

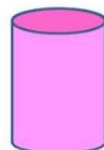


If you can, watch this BBC bitesize clip about 3D shapes, you do the quiz after too:

<https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zcsjqtq>



Cone



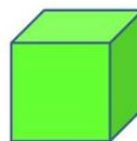
Cylinder



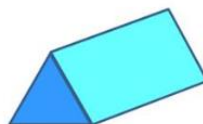
Sphere



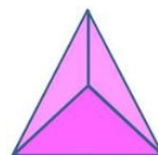
Square Based Pyramid



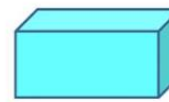
Cube



Triangular Prism



Triangular Based Pyramid



Cuboid

Task 1: Go on a shape hunt and see how many of each 3D shape you can find around your house. You could take photos or draw where you find each shape.




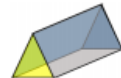
e.g. cylinder



Task 2: Use the shapes you found in Task 1 to fill in a table like this.

First, count the faces.

Then, draw the shape of the faces.

Shape	Name of shape	Number of flat faces	Draw the faces
			
			
			
			

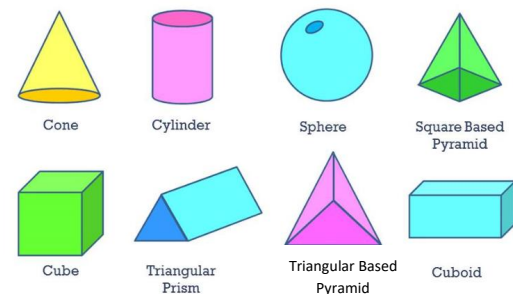
Canonbury Home Learning
Year 3 Maths

Lesson 24

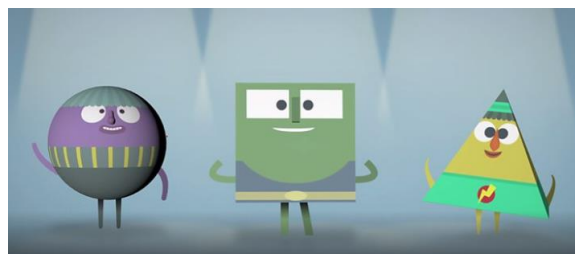
LO: To describe 3D shapes

Success Criteria:

3D shapes



1. Look around your house for examples of each 3D shape.
2. Draw or take a photo of each shape you find – can you find an example of all of them?
3. Describe the 3D shapes using the sentence stems



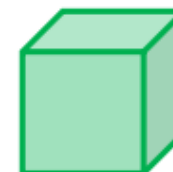
3D shapes have three dimensions - length, width and depth.

We can describe 3D shapes by talking about:

- **Faces** (flat sides)
(spheres, cones and cylinders have one **curved surface**)
- **Edges**
- **Vertices** (corners)

Model:

Describe this 3D shape:



This shape is a **cube**.

It has **6 square faces**.

It has **12 edges**.

It has **8 vertices**.

Task 2:

Now you try:

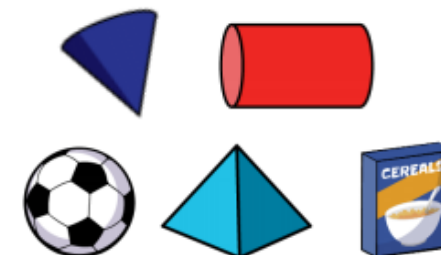
Describe each shape using these sentence stems to help:

This shape is a _____.

It has _____ faces.

It has _____ edges.

It has _____ vertices.



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<https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zgapk2p>

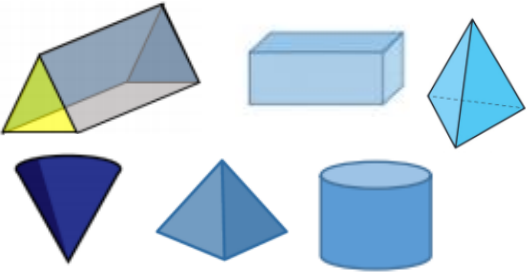



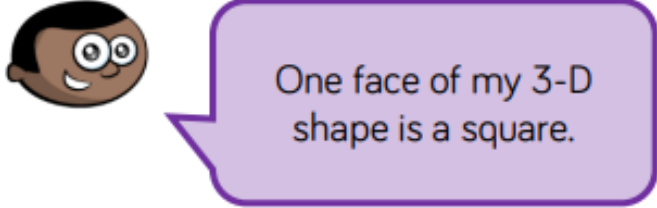
Task 1: Go on a shape hunt and see how many of each 3D shape you can find around your house. You could take photos or draw where you find each shape.

e.g. cylinder



Canonbury Home Learning
Year 3 Maths - Main activity

Complete at least 2 columns, more if you can!

Task 1	Task 2	Task 3
<p>Practice</p> <ul style="list-style-type: none"> • How many faces does a square-based pyramid have? • What shape faces does a cuboid have? • How many edges does a cylinder have? • How many vertices does a cone have? • How many faces does a triangular-based pyramid have? • How many edges does a triangular prism have? 	<p>Reasoning</p> <p>What is the same and what is different about these shapes?</p> <p>Compare them in terms of:</p> <ul style="list-style-type: none"> • Faces (shape and number) • Edges • Vertices <p>a)</p>  <p>b)</p> 	<p>Reasoning</p> <p>Ron has sorted these shapes according to the number of edges. Which shape is in the wrong place? Explain why.</p>  <p>Mo has a 3-D shape, he says,</p>  <p>One face of my 3-D shape is a square.</p> <p>What could Mo's shape be?</p>