

Year 2 Maths

W/c - 29/6/20

Lesson 1: Shape - 2D

Lesson 2: Shape - 3D

Lesson 3: Describe and compare 2D and 3D shapes

## Lesson 1

**Key Learning:** recognise and know the properties of 2D shapes

**Success criteria:**

- I can name different 2D shapes
- I can describe a 2D shape (corners, sides)

**Deepening** - I can create my own picture using 2D shapes



shape

2D

corners

sides

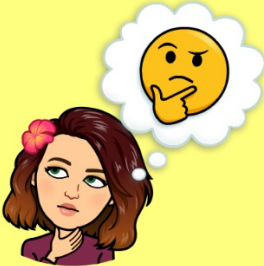


Engage

What am I?

I have 3 sides and 3 corners.

Answer



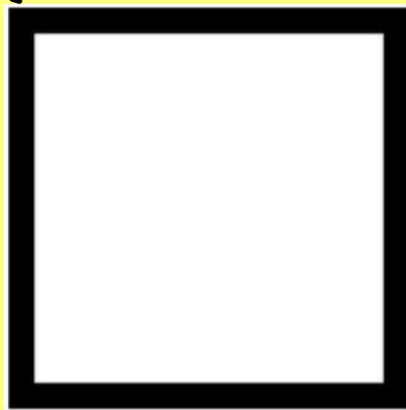
Today we will be looking at 2D shapes.

Introduce

2D shapes are flat.

They have corners and sides.

Square



Introduce

Willy Wonka's candy comes in many shapes.



How many sides does the chocolate bar have?

How many corners?

What is the name of the shape?

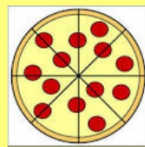


# Create your own sweets using 2D shapes

Independent

You could make:

- Triangles for a pizza.
- Different shaped sweets (like Quality Street)
- A circle and a triangle for an ice cream cone



Here is my example:

Name of your sweet: Strawberry Swirls

Draw a picture of your sweet:



Name of the shape: Circle

Corners: 0 corners

Sides: 1 curved side

Make sure you include:

- The name of your sweet
- The names of the shape
- How many sides it has
- How many corners it has

Create your own picture using different shapes...

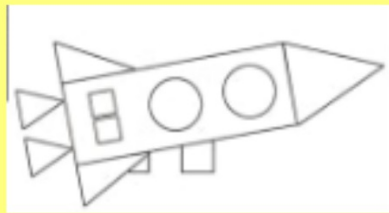
Deepening

Here are some ideas:

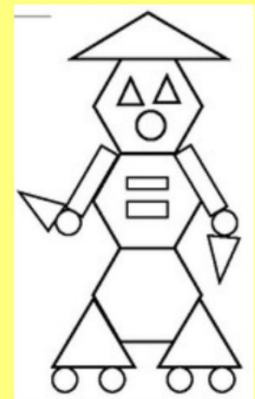
A house



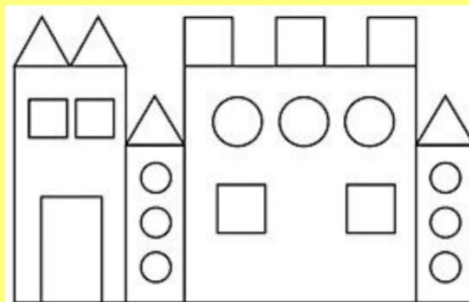
A rocket



A robot



A castle



## Lesson 2

**Key Learning:** recognise and know the properties of 3D shapes

**Success criteria:**

- I can name different 3D shapes
- I can describe a 3D shape (vertices, edges, faces)

**Deepening** - I can describe 3D shapes in my home/classroom



shape

3D

vertices

edges

faces



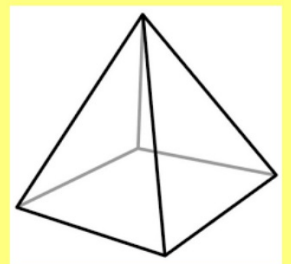
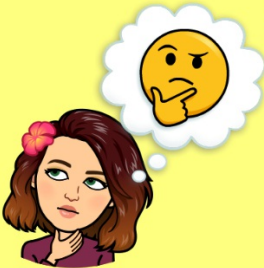


Engage

What am I?

I have 5 faces, 8 edges and  
5 vertices

Answer

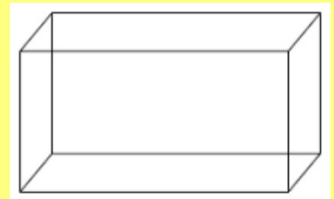
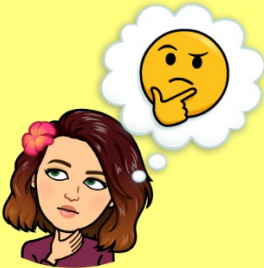


Engage

What am I?

I have 6 faces, 8 vertices and  
12 edges.

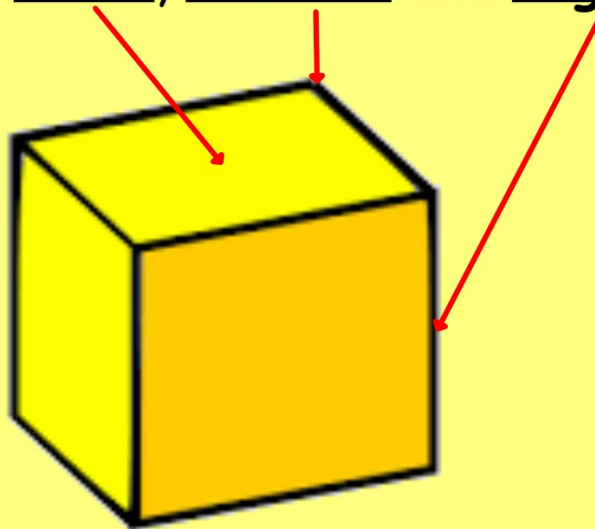
Answer



Today we will be looking at **3D** shapes.

3D shapes are not flat, they are a solid shape.

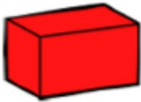
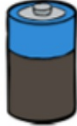
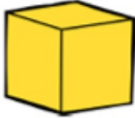



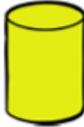

They have faces, vertices and edges.



Cut out the shapes and match them to the correct name and object...

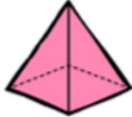



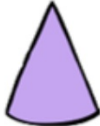


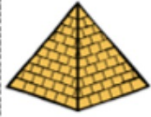
Independent

Cut out the cards and match them by shape, name and real-life object.

	sphere	
	cylinder	
	cube	
	cuboid	

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Cut out the cards and match them by shape, name and real-life object.

	cone	
	square-based pyramid	
	triangular-based pyramid	
	triangular prism	

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Deepening

Look around your home or classroom.  
What 3D shapes can you see?

I can see a cuboid and a cylinder.



3-D shapes Can you describe the faces, vertices and edges?

Shape	Name of shape	Describe the shape
	Cylinder water bottle	It has 2 curved edges, no vertices and 3 faces.
	Cuboid box	It has 12 edges, 8 vertices and 6 faces.

## Lesson 3

**Key Learning: describe and compare 2D and 3D shapes**

**Success criteria:**

- I know the properties of 2D and 3D shapes
- I can describe and compare shapes

**Deepening - I can identify 2D shapes on 3D shapes**



shape

3D

vertices

edges

faces

2D

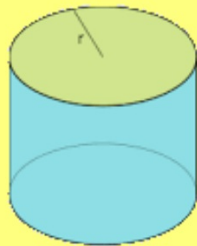
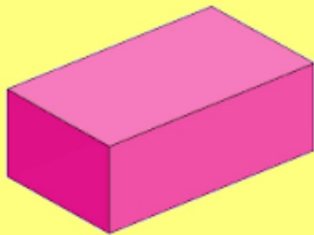
corners

sides



Today we are going to describe and compare shapes.

How would you describe these shapes?



What is the same and what is different about them?

*Describe the shapes...*

Independent



Independent

This is a new chocolate bar from Willy Wonka's Chocolate Factory. Can you describe it?

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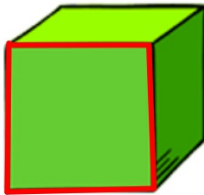


Deepening

Find the 2D shapes on the 3D shapes...

Can you spot the 2D shapes on the 3D shapes?

Deepening

	<p>Name of 3D shape _____</p> <p>2D shape I can see</p> <p>_____</p>
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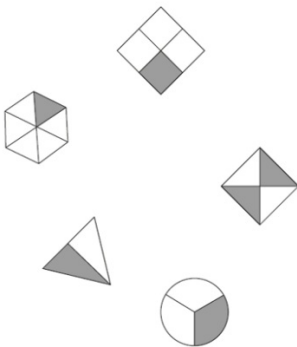
# Complete these questions...



Here is a prism.

Tick **all** the shapes that are faces on this prism.

Circle the shapes that have half shaded.



Match each shape to the correct description.

One is done for you.

shape	description
triangle	has 8 vertices
square	has 3 sides
octagon	has 4 right angles
circle	has no vertices