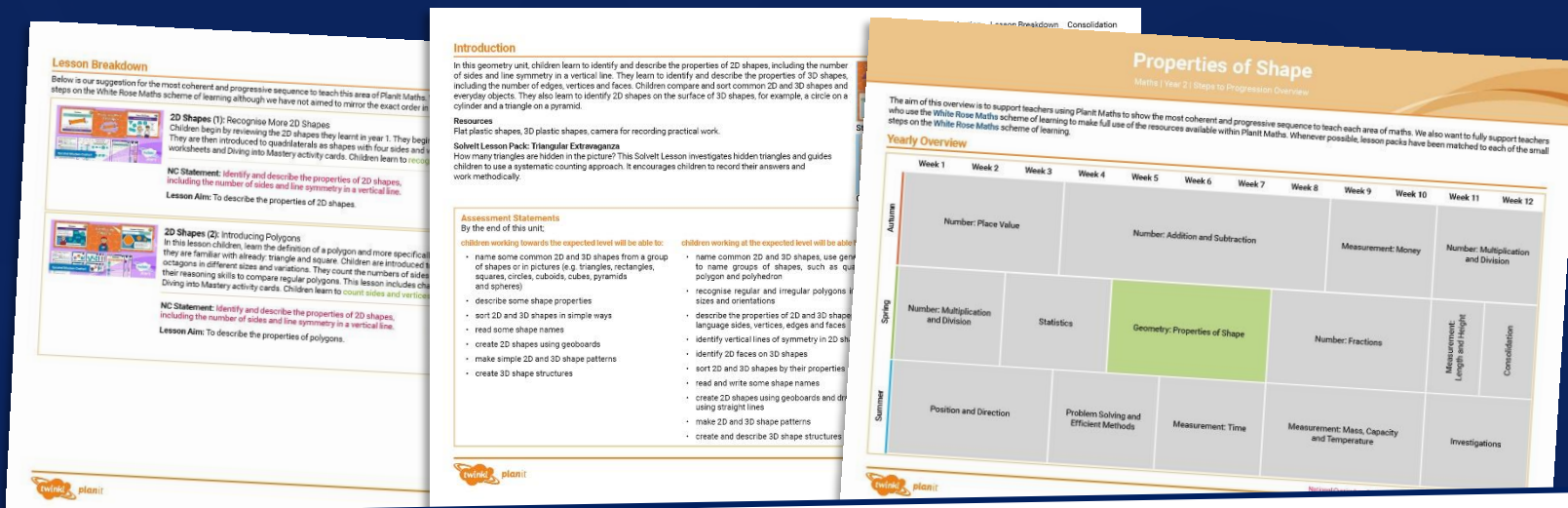




Maths

Properties of Shapes

Need a coherently planned sequence of lessons to complement this resource?

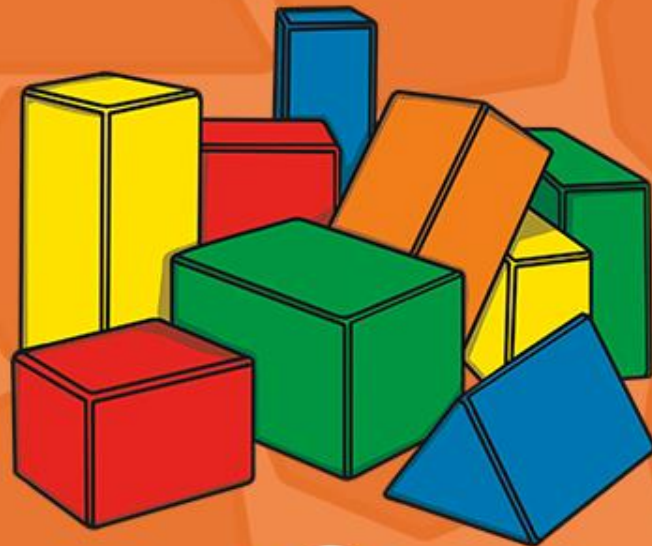


See our [Properties of Shapes Steps to Progression](#) document.

Twinkl Planit is our award-winning scheme of work with over 4000 resources.



Recognise More 3D Shapes



Aim

- To recognise 3D shapes.

Success Criteria

- I can find named 3D shapes
- I can name 3D shapes.
- I can name 2D shapes on the faces of 3D shapes.

Remember It



Help us find 3D shapes for our model making.



Guess which shape is in the toy box.

How did you know what the shape was?

You have three guesses for each shape!

Remember It



Which 3D shape is in the box?

What parts helped
you to know?

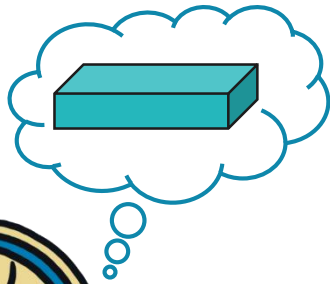
cuboid



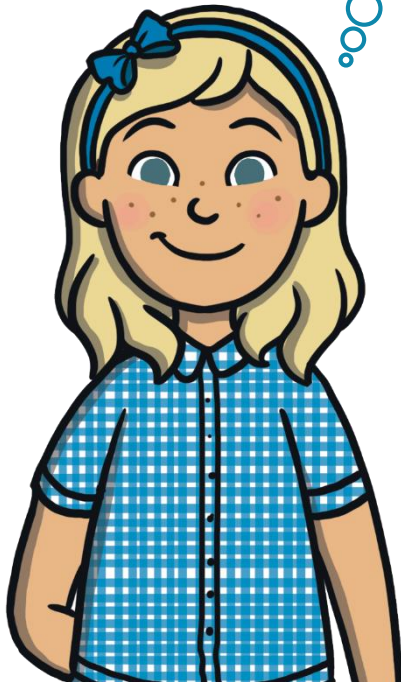
Remember It



How is this similar or different to the cuboid?



cube



Remember It



Which 3D shape is in the box?

How did you know?

sphere



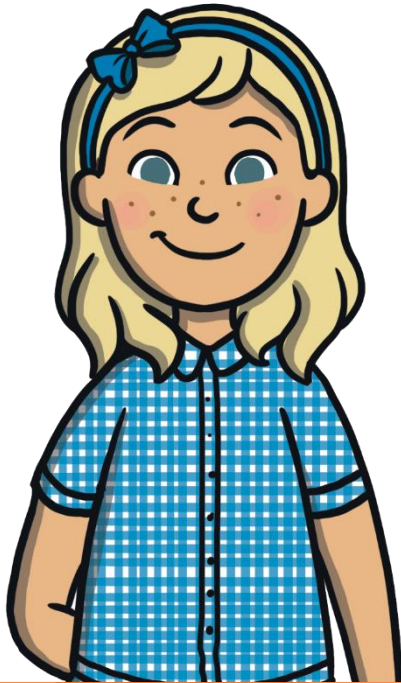
Remember It



Which 3D shape is in the box?

What helps you to remember this shape's name?

cylinder



Faces

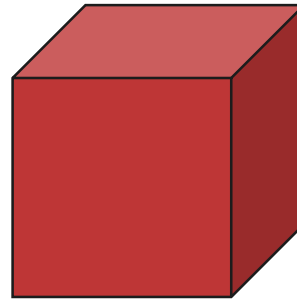


3D shapes have faces. A face is a flat surface on a 3D shape.
A lot of the time the faces are 2D shapes.

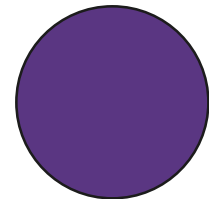
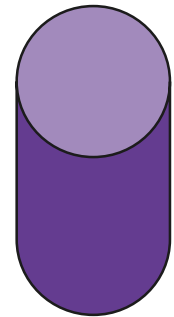
What 2D shapes can you see on the faces of these 3D shapes?



rectangle



square



circle

Name It



We have a new shape to build with.

Do you know what it is?

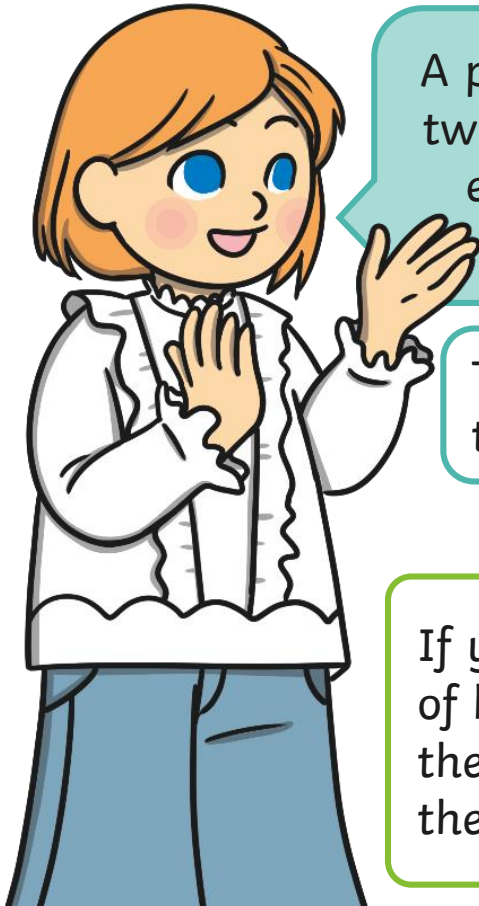


What can you tell us about this shape?

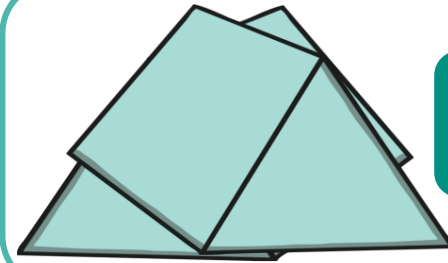
Name It



Do you know what this shape is?



A prism is a 3D shape with two identical faces at each end, connected by flat, rectangular faces.



Click here

This is a triangular prism as it has two identical triangular faces.

If you sliced it like a loaf of bread, you would see the same shaped face all the way through.

Name It



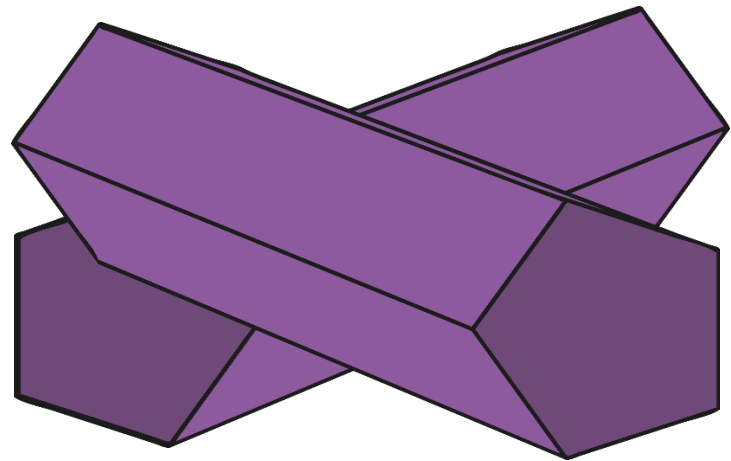
What do you think this prism is called?

Look at the shape of the 2D face.

The faces at each end of the shape are pentagons.



**This is a
pentagonal
prism.**



Click
here

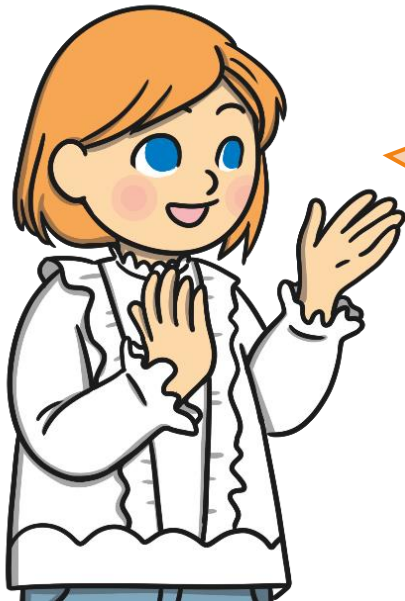
Name It



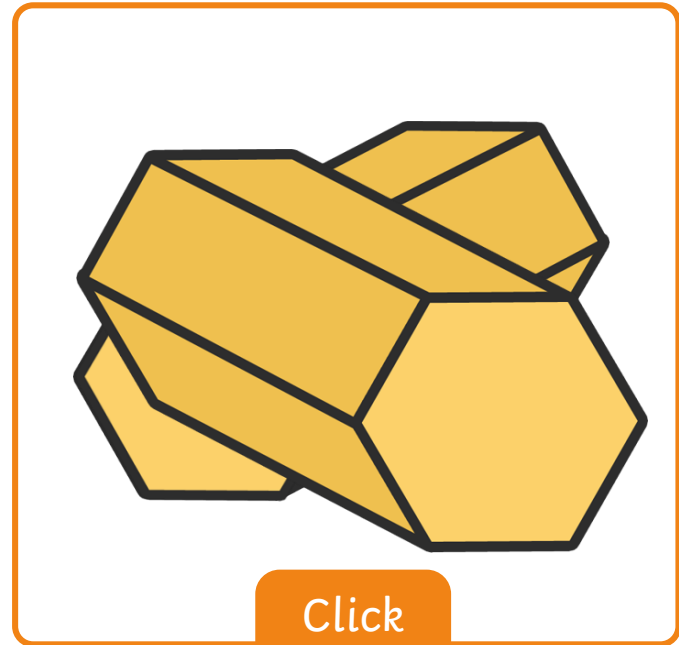
What do you think this prism is called?

Look at the shape of the 2D face.

hexagon



This is a
hexagonal prism.



Click
here

Name It



We have a new shape to build with.

Do you know what it is?



What can you tell us about this shape?

Name It

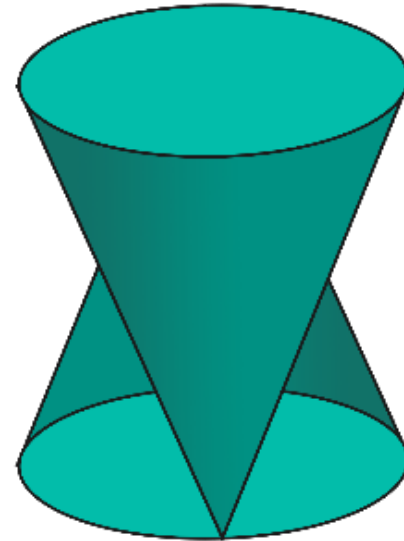


What can you tell us about this shape?

Have you seen this shape before?



What objects have you seen that are this shape before?



cone

Click
here

Name it



We have more new shapes to build with.

Do you know what they are?

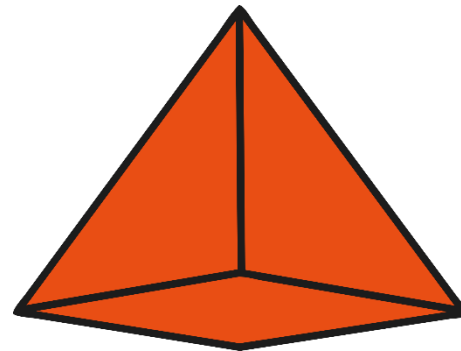
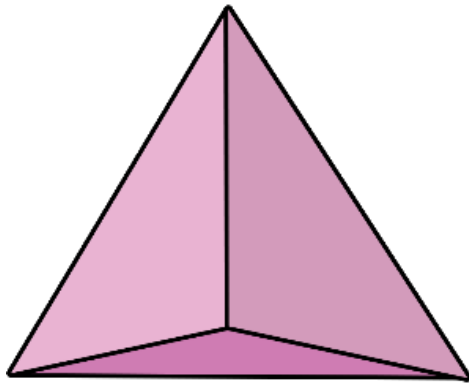


What can you tell us about this shape?

Name It



How are the shapes similar?



How are they different?

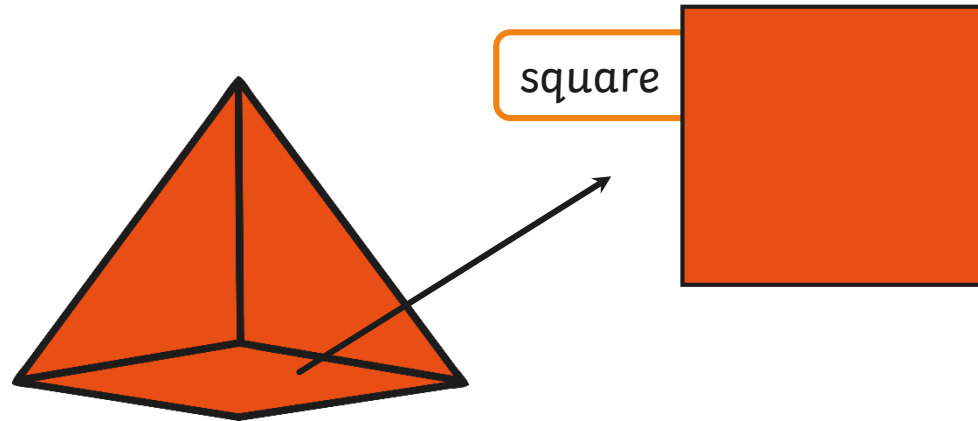
They are both **pyramids**. Let's find out their full names.

Name It



What can you tell us about this pyramid?

What shape is on the base of the pyramid?



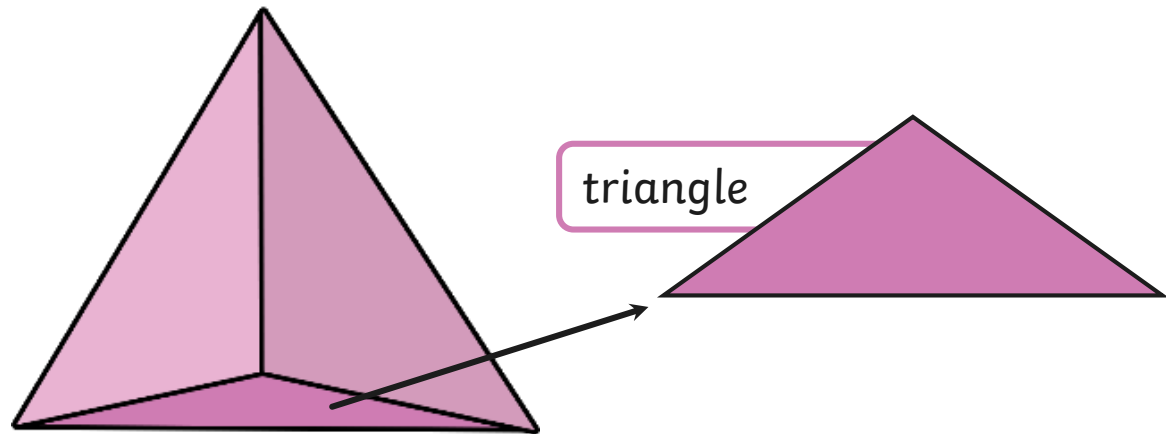
square-based pyramid

Name It



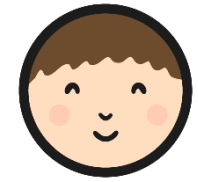
What can you tell us about this pyramid?

What shape is on the base of the pyramid?



triangular-based pyramid

Recognise 3D Shapes Activity Sheets



Recognise 3D shapes

To recognise 3D shapes.

Meredith and Hamish made some models.
Can you tick the 3D shapes that they used?

<input type="checkbox"/> cube <input type="checkbox"/> cuboid <input type="checkbox"/> triangular-based pyramid <input type="checkbox"/> square-based pyramid		<input type="checkbox"/> cylinder <input type="checkbox"/> sphere <input type="checkbox"/> triangular-based pyramid <input type="checkbox"/> square-based pyramid	
<input type="checkbox"/> cube <input type="checkbox"/> cuboid <input type="checkbox"/> triangular prism <input type="checkbox"/> square-based pyramid		<input type="checkbox"/> cylinder <input type="checkbox"/> sphere <input type="checkbox"/> cube <input type="checkbox"/> cuboid	
<input type="checkbox"/> cone <input type="checkbox"/> cylinder <input type="checkbox"/> sphere <input type="checkbox"/> cube <input type="checkbox"/> cuboid		<p>Make models with 3D shapes.</p> <p>Which shapes did you use?</p>	

twinkl planit ★ Maths: Year 2 | Properties of Shapes | 2D Shapes
Lesson 1 of 7: Recognise More 3D Shapes

Recognise 3D shapes

To recognise 3D shapes.

Meredith and Hamish are following plans to make some models.
Which 3D shapes will they need?

Use a word mat to help you.

<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>

Make models with 3D shapes.
Make labels to show the shapes that you used.

twinkl planit ★ Maths: Year 2 | Properties of Shapes | 2D Shapes
Lesson 1 of 7: Recognise More 3D Shapes

Recognise 3D shapes

To recognise 3D shapes.

Meredith and Hamish are following plans to make some models.
Which 3D shapes will they need?

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<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>

Make models with 3D shapes.
Make labels to show the shapes that you used.

twinkl planit ★ Maths: Year 2 | Properties of Shapes | 2D Shapes
Lesson 1 of 7: Recognise More 3D Shapes



Dive in by completing your own activity!





Recognise More 3D Shapes

The friends made models with 3D shapes from the toy box.



TOY-BOX

cylinder	cuboid	sphere
cone	triangular-based pyramid	cube
	square-based pyramid	

Which shapes did Meredith use?



Which shapes did Hamish use?



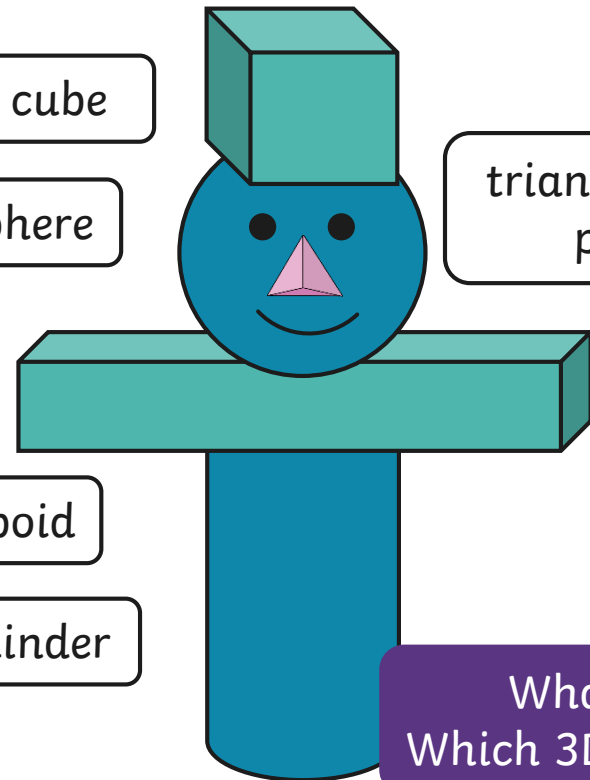
Did they use all the shapes?

Can you make a model with all of the 3D shapes named on the toy box?

Spot it



The friends have made some models. Which 3D shapes did they use?



cube

sphere

cuboid

cylinder

square-based
pyramid

triangular-based
pyramid

triangular
prism

What would you make?
Which 3D shapes would you use?



sphere

cone

Aim



- To recognise 3D shapes.

Success Criteria

- I can find named 3D shapes
- I can name 3D shapes.
- I can name 2D shapes on the faces of 3D shapes.

