

## Reception maths – Summer 2 Week beginning: 13.7.20

Theme	Shape Lesson 1 (of 5) 2D shapes	Shape Lesson 2 (of 5) Comparing 2D shapes	Shape Lesson 3 (of 5) 3D shapes	Shape Lesson 4 (of 5) Sorting 3D shapes	Shape lesson 5 (of 5) Comparing 3D shapes
Factual fluency (to aid fluency)	<a href="#">Watch 'what are 2D shapes?'</a>	<a href="#">Listen to the '2D shape' song</a>	<a href="#">Watch 'What are 3D shapes?' video</a>	<a href="#">Watch the '3D shape properties' video</a>	<a href="#">Watch the '3D shape property' video and take the quiz</a>
Problem/activity of the day	<p><b>(Lesson 1 resources below)</b> <b>MAKING LINKS:</b> Think back to earlier in the school year, when you first started learning about shape. Today we are going to continue learning about 2D shapes.</p> <p><b>THINK: (support below)</b> Can you help Fred with this problem? Fred has a new 2D shape but he can't remember the name of it. Can you help him name the shape?</p> <p>Can you describe the shape?</p> <p><b>SEE: (model below)</b></p> <p><b>DO:</b> Use what you have learnt today to name the shapes and talk about the properties of the shapes.</p>	<p><b>(Lesson 2 resources below)</b> <b>MAKING LINKS:</b> Yesterday we looked at different 2D shapes. Today we are going to continue with that.</p> <p><b>THINK: (support below)</b> Fred has learnt a new shape, it is a semi-circle. He wants to talk about how it is similar or different properties to other shapes.</p> <p>Can you help him?</p> <p><b>SEE: (support below)</b></p> <p><b>DO:</b> Use what you have learnt today to compare the shapes below.</p> <p>Use the sentence frames to help you.</p> <p>"A _____ is <b>similar</b> to a _____ because....."</p> <p>"A _____ is <b>different</b> to a _____ because ....."</p>	<p><b>(Lesson 3 resources below)</b> <b>MAKING LINKS:</b> Think back to earlier in the school year when you first started learning about 3D shapes. Can you remember the names of any 3D shapes?</p> <p><b>THINK: (support below)</b> Can you help Fred with this problem? Fred has a 3D shape. Can you help him name the 3D shape?</p> <p>Can you describe the shape?</p> <p><b>SEE: (model below)</b></p> <p><b>DO:</b> Use what you have learnt today: Name the shapes and talk about the properties of the shapes.</p>	<p><b>(Lesson 4 resources below)</b> <b>MAKING LINKS:</b> Yesterday you named and described 3D shapes. Today we are going to continue with that.</p> <p><b>THINK: (support below)</b> Can you help Fred? Fred is trying to sort his shape. He is trying to sort them into vertices (corners) and no vertices. Can you help him sort the shapes?</p> <p>How else could the shapes be sorted?</p> <p><b>SEE: (model below)</b></p> <p><b>DO:</b> Use what you have learnt today to sort the shapes into different categories.</p> <p><b>Challenge:</b> Can you come up with your own categories to sort the shapes?</p>	<p><b>(Lesson 5 resources below)</b> <b>MAKING LINKS:</b> Yesterday you sorted 3D shapes. Today we are going to continue with that.</p> <p><b>THINK: (support below)</b> Can you help Fred with his problem? Fred has two shapes. He is trying to describe their similarities and differences.</p> <p>Can you help him?</p> <p><b>SEE: (model below)</b></p> <p><b>DO:</b> Use what you have learnt today to compare the shapes below.</p> <p>Use the sentence frames to help you.</p> <p>"A _____ is <b>similar</b> to a _____ because....."</p> <p>"A _____ is <b>different</b> to a _____ because ....."</p>
Methods, tips, clues & checks	<b>Star Words:</b> square, circle, triangle, rectangle, hexagon	<b>Star words:</b> square, circle, triangle, rectangle, hexagon	<b>Star words:</b> cube, cuboid, pyramid, cone, cylinder, sphere, faces, edges, vertices, flat, curved.	<b>Star words:</b> cube, cuboid, pyramid, cone, cylinder, sphere, faces, edges, vertices, flat, curved. <b>(Answers below)</b>	<b>Star words:</b> cube, cuboid, pyramid, cone, cylinder, sphere, faces, edges, vertices, flat, curved.

[See below for resources to support you to THINK-SEE-DO](#)



**LESSON 1 RESOURCES:**

**THINK:**

Can you name the shape?

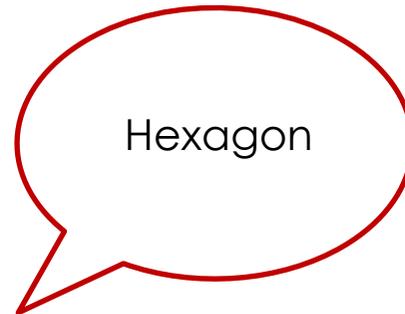


Can you describe the shape?

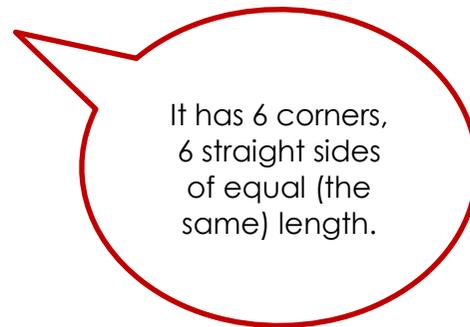
**Star words:** square, circle, triangle, rectangle, hexagon, straight sides, curved sides, short sides, long sides, vertices

**SEE:**

Can you name the shape?



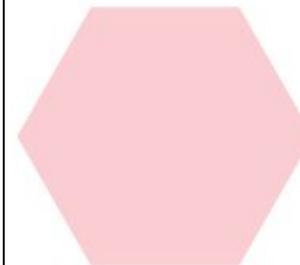
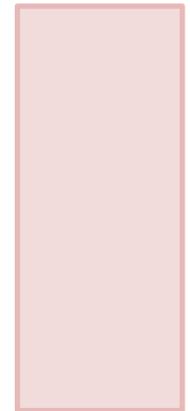
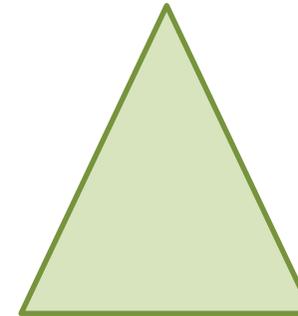
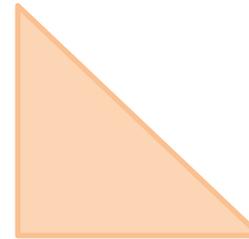
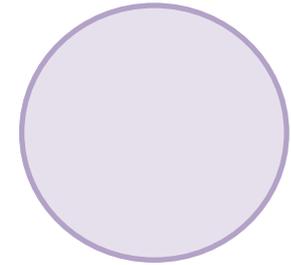
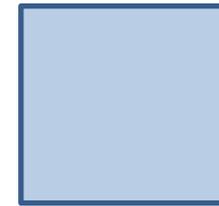
Can you describe the shape?



**Star words:** square, circle, triangle, rectangle, hexagon, straight sides, curved sides, short sides, long sides, vertices

**DO:**

Name and describe the 2D shapes



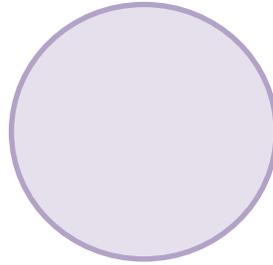
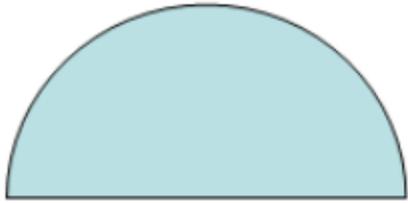
**Star words:** square, circle, triangle, rectangle, hexagon, straight sides, curved sides, short sides, long sides, vertices.



**LESSON 2 RESOURCES:**

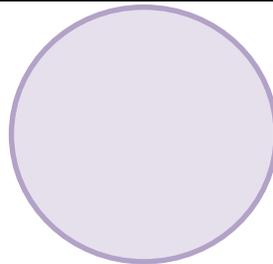
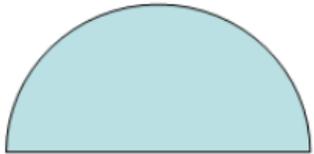
**THINK:**

What are the similarities and differences?



**Star words:** square, circle, triangle, rectangle, hexagon, straight sides, curved sides, short sides, long sides, vertices, 2D.

**SEE:**



"A semi-circle is **different** to a circle because it has 1 straight sides and 1 curved side, but a circle only has 1 curved side."

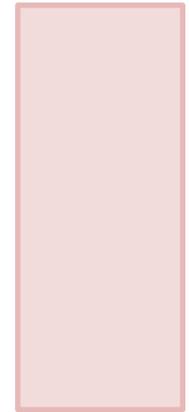
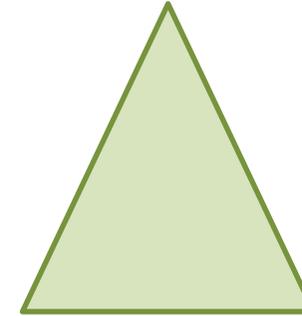
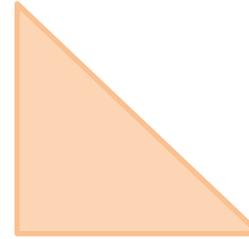
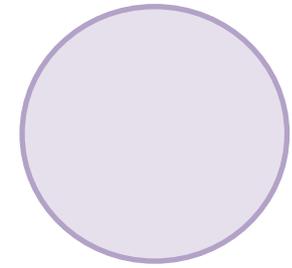
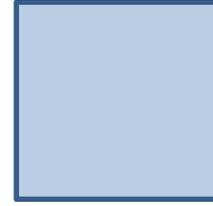
"A circle is **different** to a semi-circle because it doesn't have any vertices and a semi-circle had 2."

"A circle is **similar** to semi-circle because they are both 2D shapes"

"A semi-circle is **similar** to a circle because it is half a circle"

**Star words:** square, circle, triangle, rectangle, hexagon, straight sides, curved sides, short sides, long sides, vertices, 2D.

**DO:** What are the similarities and differences?



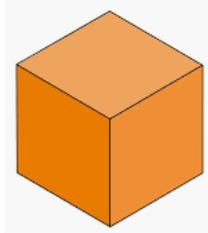
"A \_\_\_\_\_ is **similar** to a \_\_\_\_\_ because....."

"A \_\_\_\_\_ is **different** to a \_\_\_\_\_ because ....."

**LESSON 3 RESOURCES:**

**THINK:**

Can you name the shape?

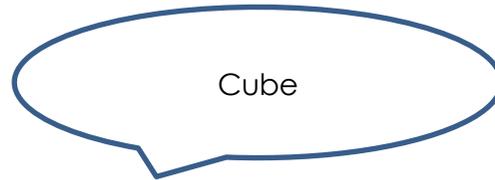


Can you describe the shape?

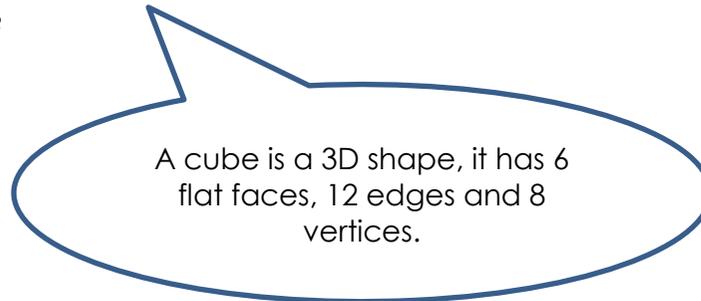
**Star words:** cube, cuboid, pyramid, cone, cylinder, sphere, faces, edges, vertices, flat, curved, 3D.

**SEE:**

Can you name the shape?

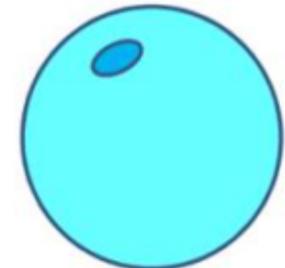
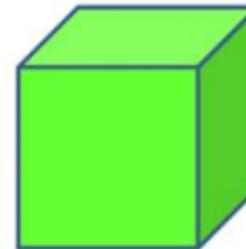
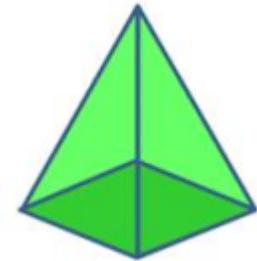
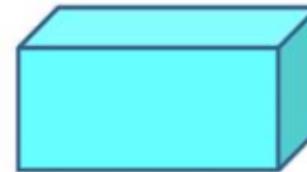
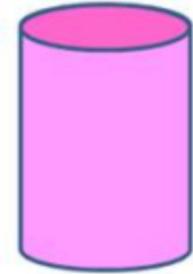


Can you describe the shape?



**Star words:** cube, cuboid, pyramid, cone, cylinder, sphere, faces, edges, vertices, flat, curved 3D.

**DO:** Name and describe the 3-D shapes.



**LESSON 4 RESOURCES:**

**THINK:**

		
More than 1 vertices	1 or less vertices	

**SEE:**

Count the vertices to see which category to put the shape into

 A sphere has 0 vertices so it goes in the **1 or less vertices column.**

A  pyramid has 5 vertices so it goes in the **more than 1 vertices column.**

 A cone has 1 vertices so it goes in the **1 or less column.**

		
More than 1 vertices	1 or less vertices	
		

**DO:**

	
Curved face	Flat face

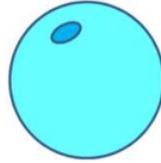
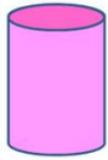
		
Vertices	No vertices	

		
Curved and flat face	Flat face	

**Challenge:** Can you come up with your own sorting category?

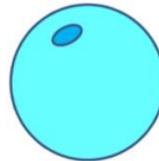
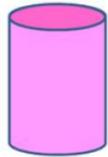

**LESSON 5 RESOURCES:**

**THINK:** What are the similarities and differences?



**Star words:** cube, cuboid, pyramid, cone, cylinder, sphere, faces, edges, vertices, flat, curved.

**SEE:**



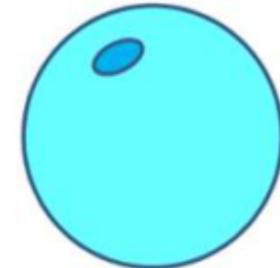
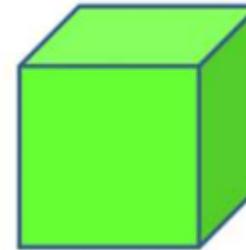
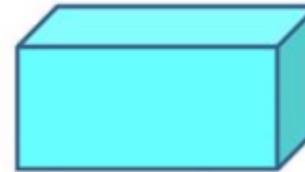
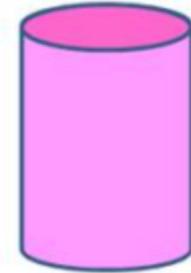
“A cylinder is **similar** to a sphere because they both have a curved faces. “

“A cylinder is **similar** to a sphere because neither of the shapes have vertices.”

“A cylinder is **different** to a sphere because the cylinder has 2 flat faces as well as a curved face, the sphere only has 1 curved face.”

“A cylinder is **different** to a sphere because a cylinder has edges and a sphere doesn't have any edges”

**DO:** What are the similarities and differences?



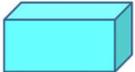
“A \_\_\_\_\_ is **similar** to a \_\_\_\_\_ because.....”

“A \_\_\_\_\_ is **different** to a \_\_\_\_\_ because .....

# ANSWERS:

## Lesson 4

	
Curved sides	Flat sides
	

		
Vertices	No vertices	
		

		
Curved and flat sides	Flat sides	
		