

Properties of Shape: Name 2D Shapes

Aim: Recognise and name common 2-D and 3-D shapes. Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another. (1G-1) To identify common 2D shapes.	Success Criteria: I can name common 2D shapes. I can describe 2D shapes. I can find 2D shapes around me.	Resources: Lesson Pack 2D shapes Lolly sticks or straws as required
	Key/New Words: 2D shape, square, rectangle, triangle, circle, side, corner, curved, straight, long, short, wide, thin.	Preparation: 2D Shape Hunt Recording Sheet - one per pair Diving into Mastery Activity Cards - as required

Prior Learning: It will be helpful if children have seen examples of 2D shapes in different sizes and orientations in their classroom environment.

Learning Sequence

	Remember It: The Lesson Presentation invites children to explore the language that will help them compare shapes in the forthcoming lessons. Ask the children to describe the lines using the terms curved, straight, long and short.	
	Introducing 2D Shapes: The Lesson Presentation introduces children to rectangles, squares, triangles and circles. They learn how many sides and corners the shapes have. Children see different examples of the shapes shown in different orientations. Invite the children to describe and compare the shapes using informal language such as straight, curved, long and short. It would be useful to have 2D shapes to show the children. Some children may need to manipulate them to gain a better understanding of their properties.	
	2D Shapes in Real Life: The Lesson Presentation shows photographs of 2D shapes in real-life contexts. Ask the children which 2D shapes they can spot. This will help to prepare them for the next activity in the lesson. It may also be useful to look for examples of 2D shapes in real-life contexts around the classroom (whiteboard, clock etc) to further prepare children. Can they name the 2D shapes they can see?	
	2D Shape Hunt: Go for a shape walk around school, both inside and outside. Invite children to identify 2D shapes in the environment and name the shapes. Encourage children to use informal language to describe the shapes. Children work in pairs to draw and label the things they see on 2D Shape Hunt Recording Sheet . Can the children find 2D shapes in their environment? Can they informally describe the shapes?	
	Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity. These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding. <ul style="list-style-type: none"> Children write the names of common 2D shapes in different orientations. Children reason about whether shapes have been correctly named and explain why. Children investigate how many different 2D shapes they can make using straws or sticks. They name them and describe their properties. 	
	Odd One Out: The Lesson Presentation shows collections of shapes. Invite the children to identify the odd one out and explain their reasoning.	

Exploreit
Learnit: Children will find this visually exciting a useful tool for learning shape 2D names and properties.
Guessit: Children play a shape riddle game. Describe a 2D shape using its properties for children to guess the name.
Buildit: Children use these to make 2D shape pictures.

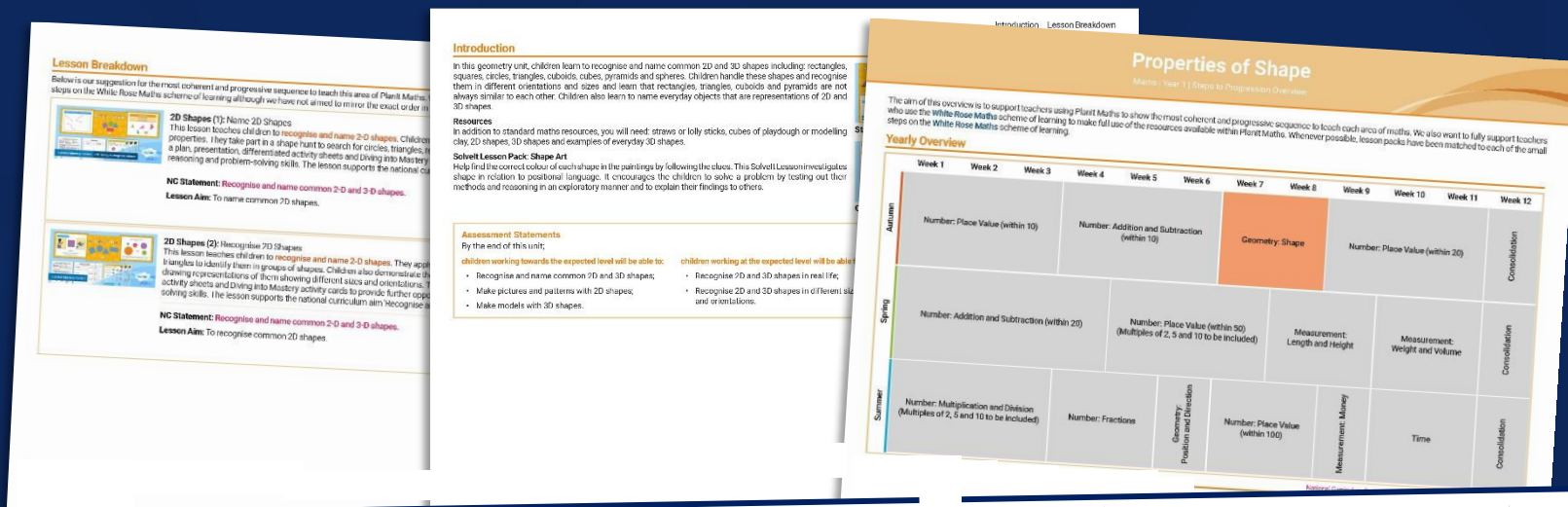


Maths

Properties of Shape

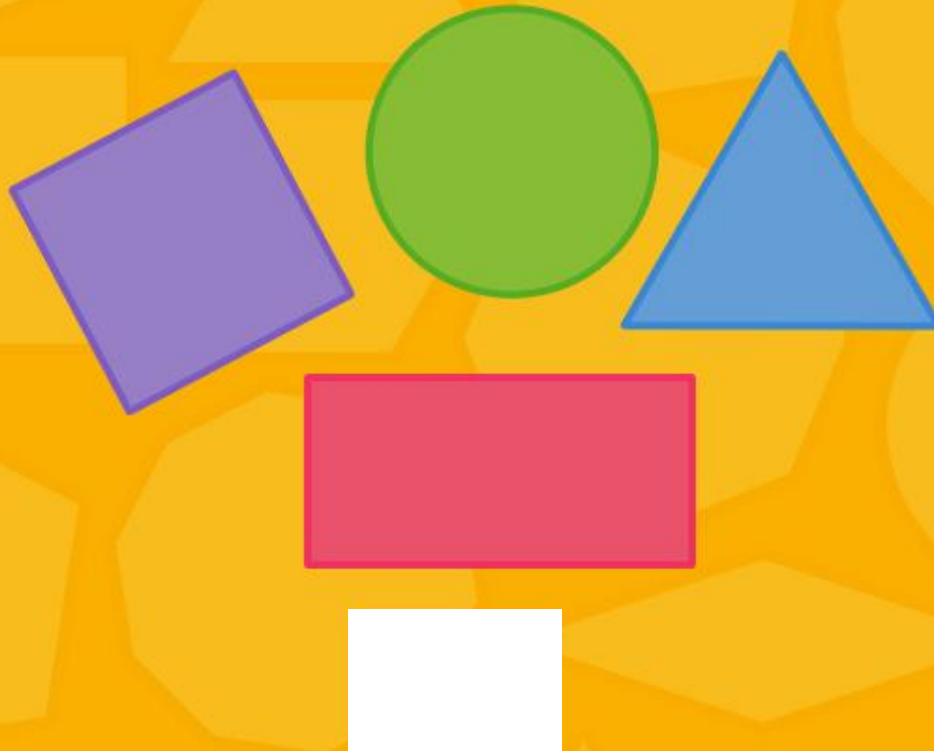


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Name 2D Shapes



Aim

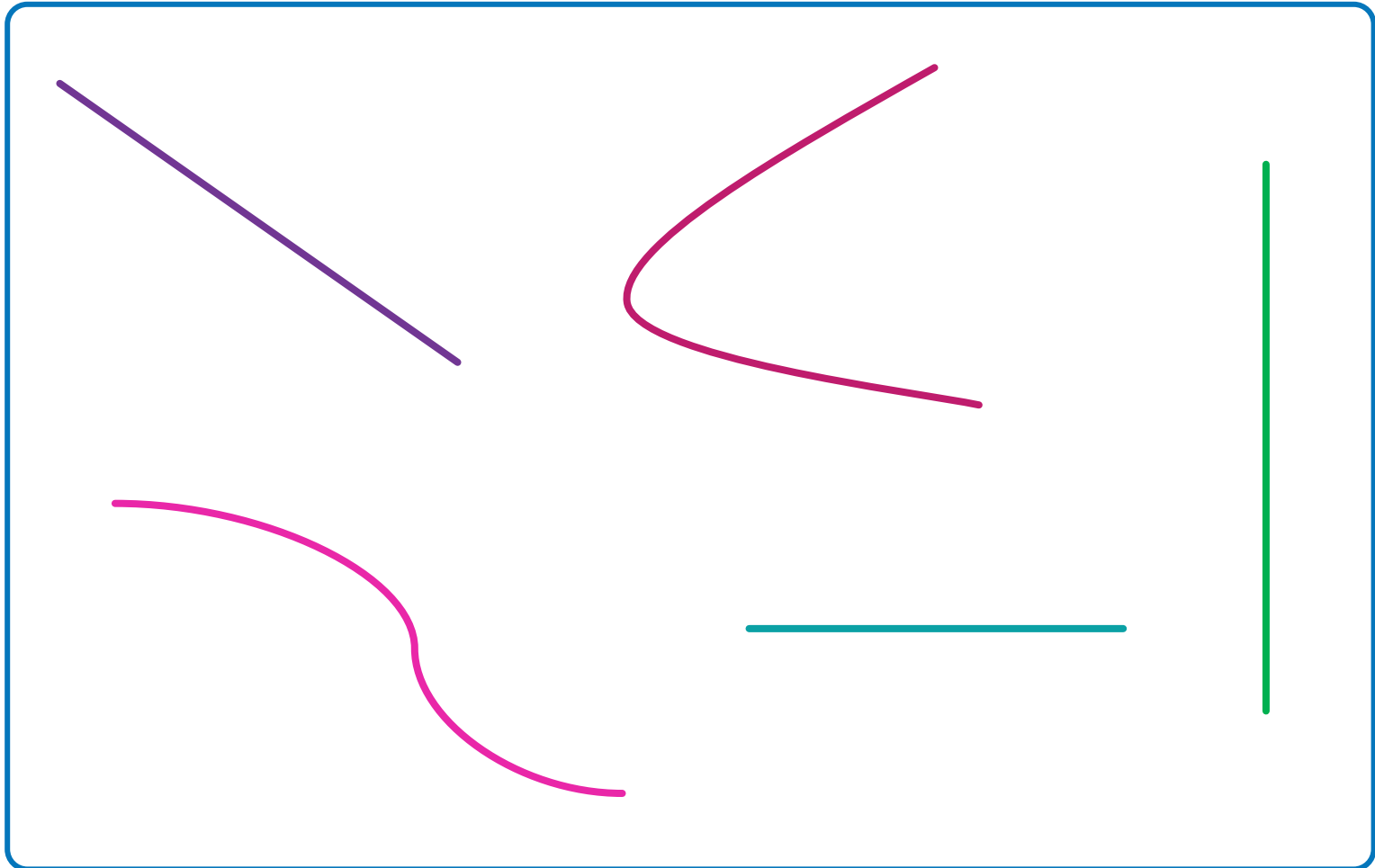
- To identify common 2D shapes.

SuccessCriteria

- I can name common 2D shapes.
- I can describe 2D shapes.
- I can find 2D shapes around me.

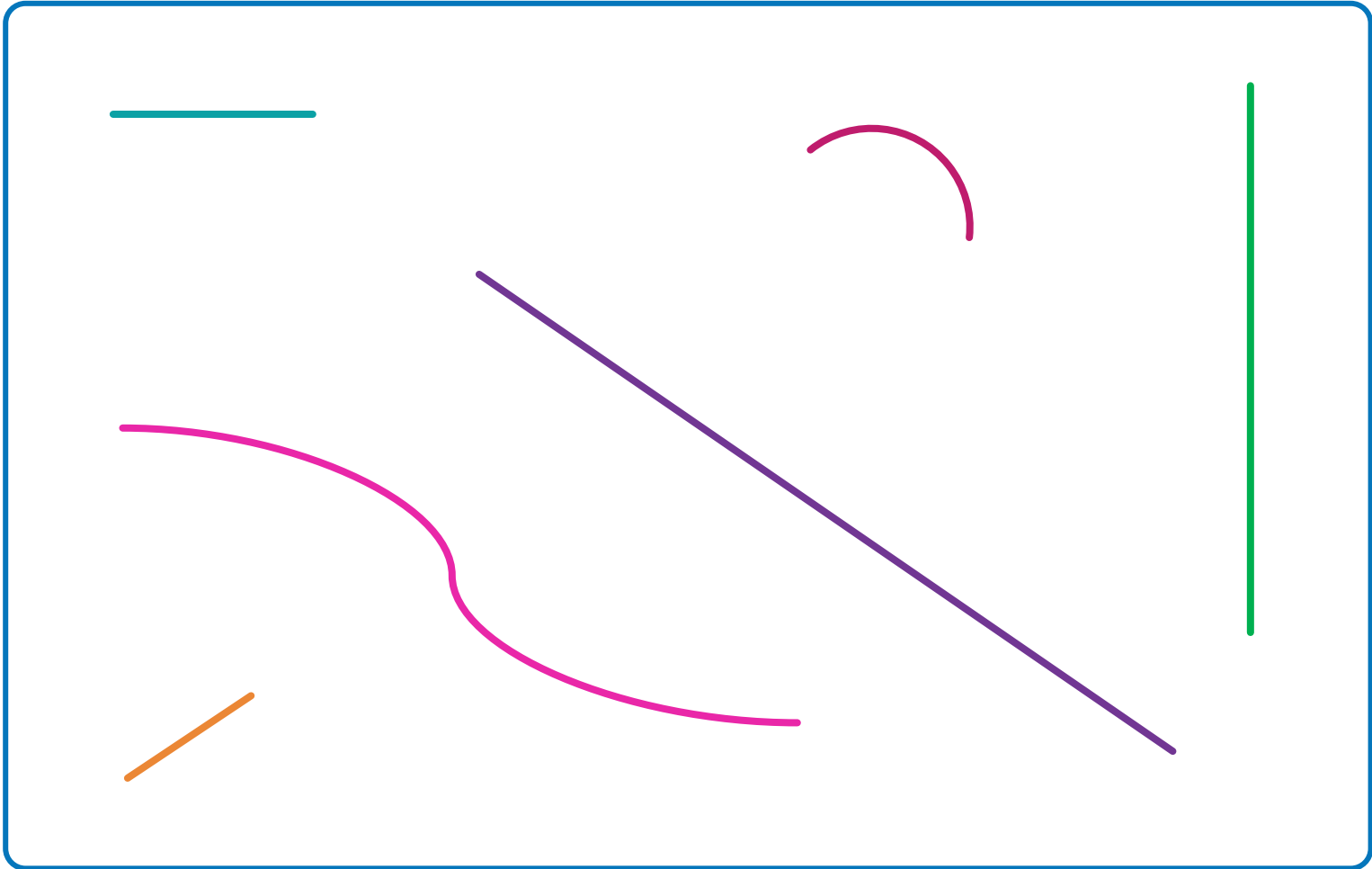
Which lines are straight ?

Which lines are curved?



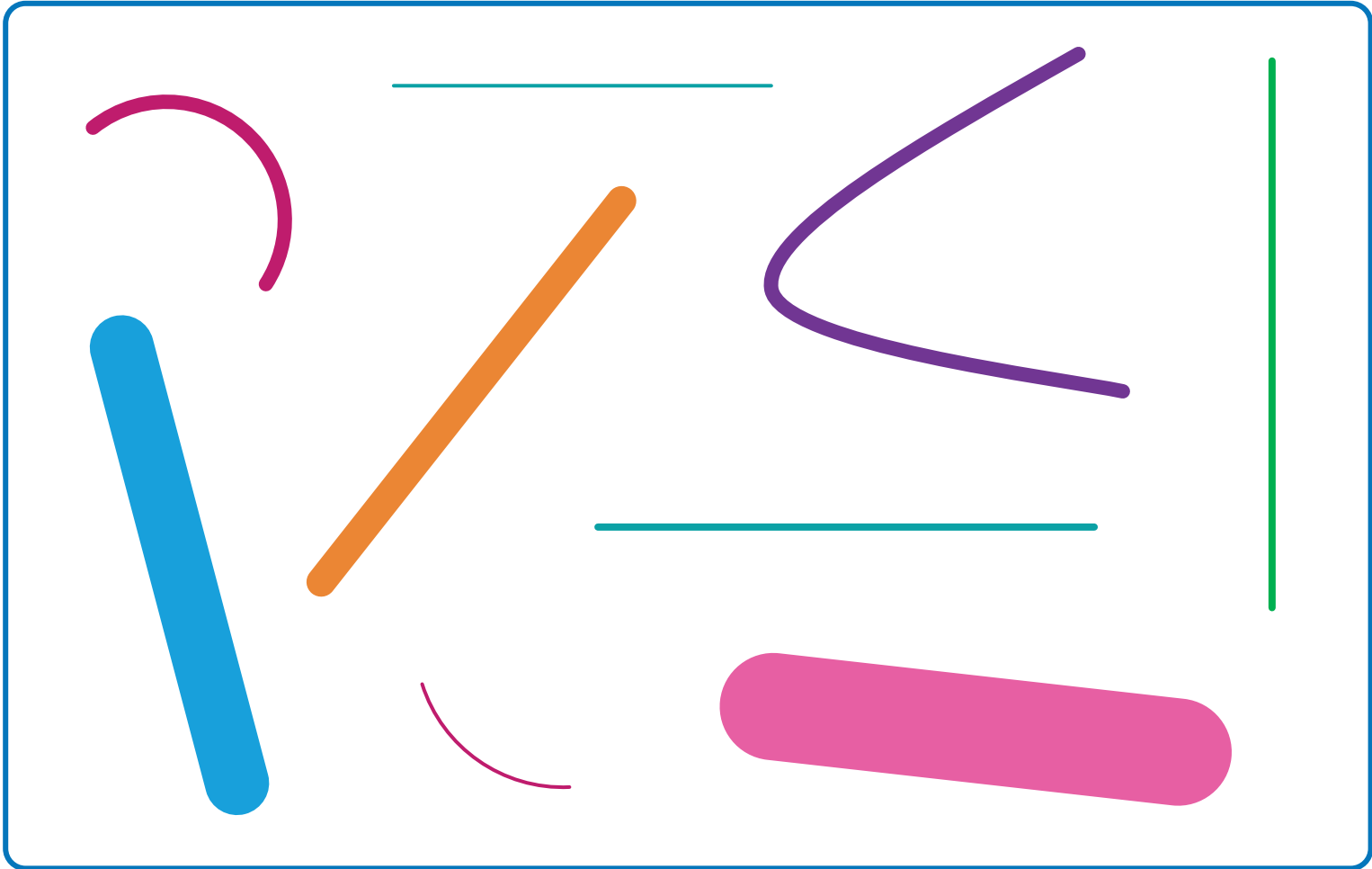
Which lines are long?

Which lines are short?



Which lines are wide?

Which lines are thin?



This shape is a rectangle.

It has 4 sides.

It has 4 corners.



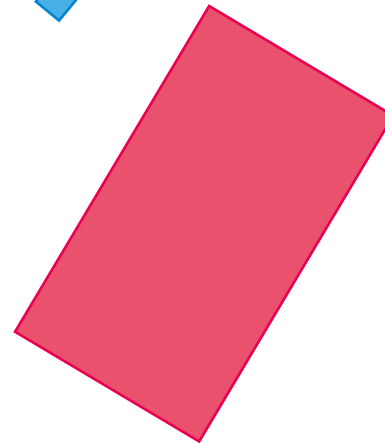
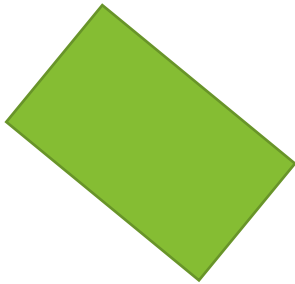
Are the sides straight or curved?

Are they long or short?

These are all rectangles.

How are they the same?

How are they different?

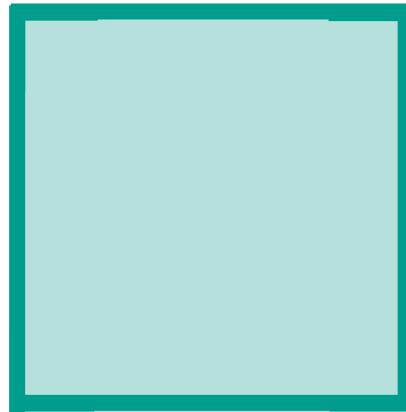


Use these words to help: long, short, wide, thin

This shape is a square.

It has 4 sides.

It has 4 corners.



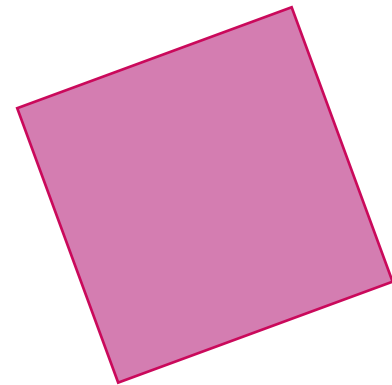
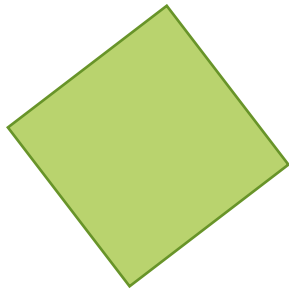
What do you notice about the sides?

This is a special type of rectangle where all the sides are the same length.

These are all squares.

How are they the same?

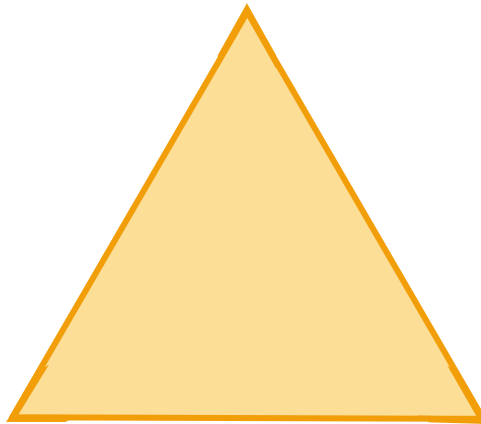
How are they different?



This shape is a triangle.

It has 3 sides.

It has 3 corners.

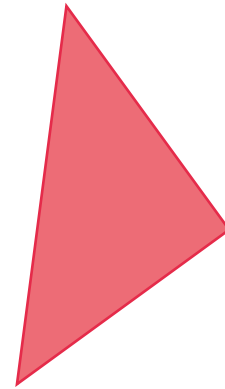
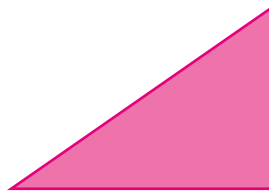


Are the sides straight or curved?

These are all triangles.

How are they the same?

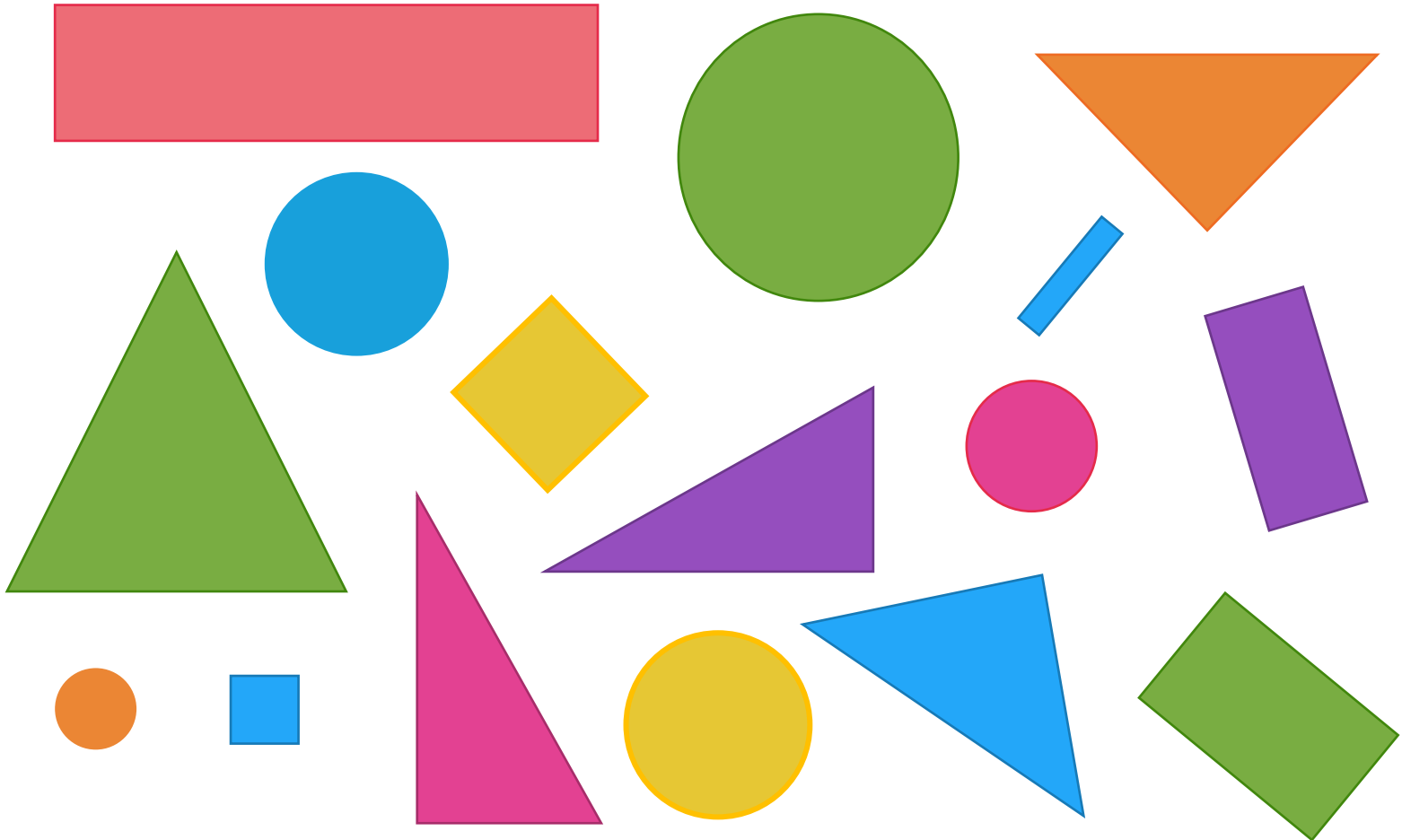
How are they different?



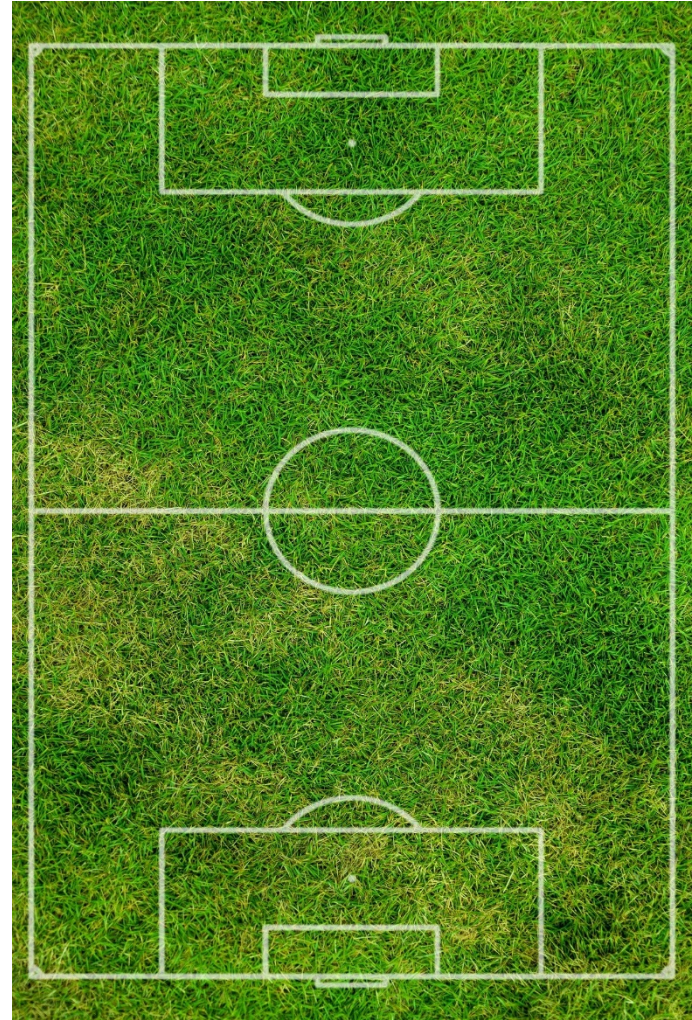
Use these words to help: long, short

How many circles can you see?

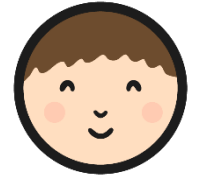
5



What 2D shapes can you see in these photos?







Activity Sheets



Shape Hunt

Draw and label the things you find that have these shapes on them.

Square 	Triangle 
Rectangle 	Circle 

Diving into Mastery






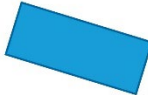
Dive in by completing your own activity!



Name 2D Shapes

Label the shapes.

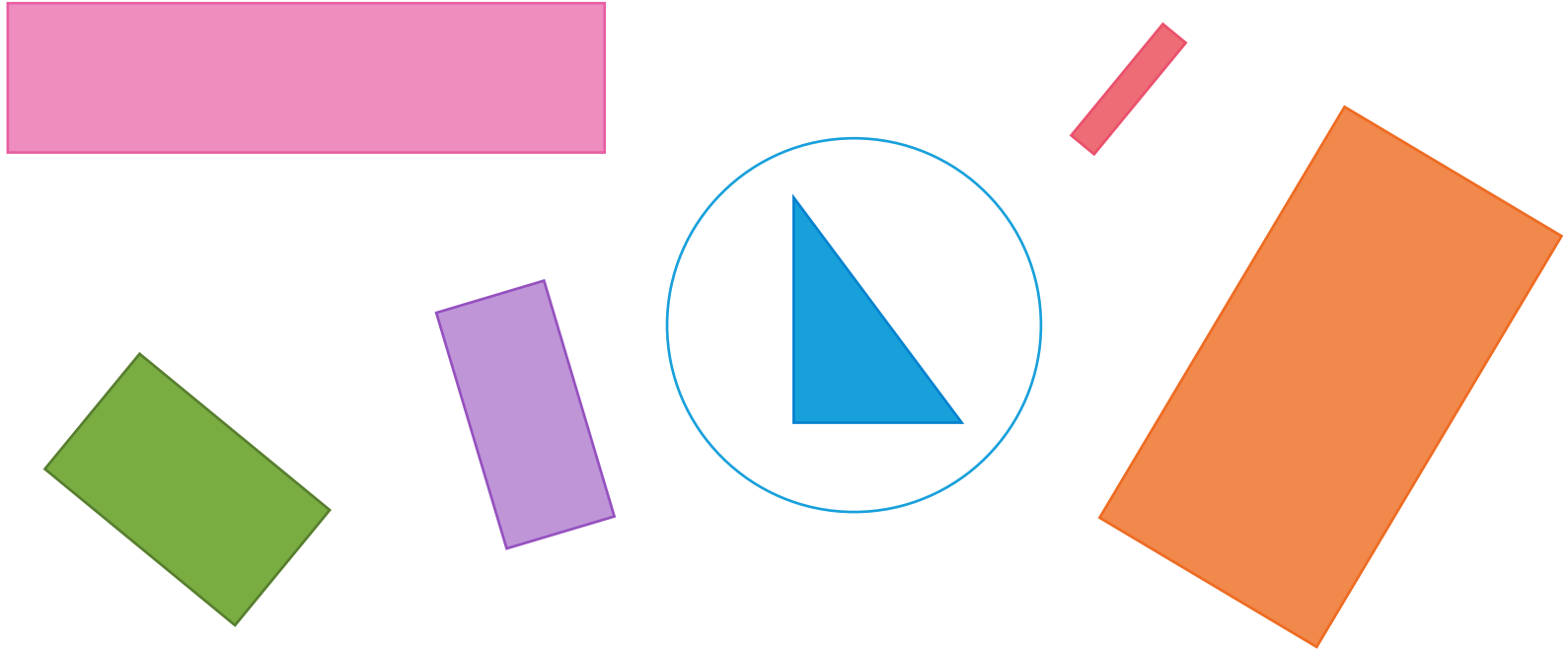
square rectangle circle triangle

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

Additional shapes and a pencil are visible on the overlapping pages to the right.

Can you spot the odd one out?

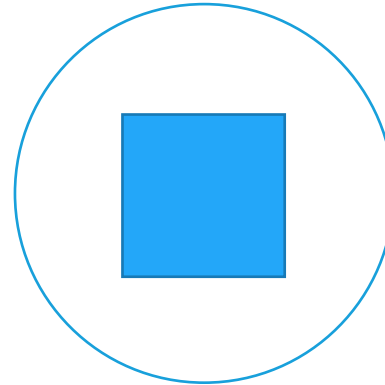
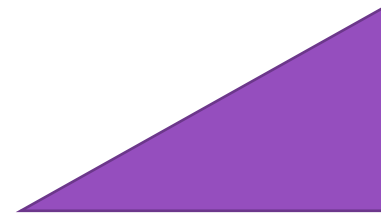
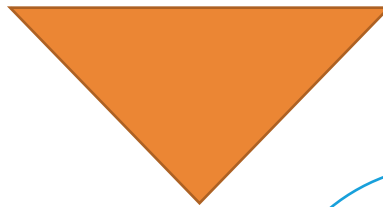
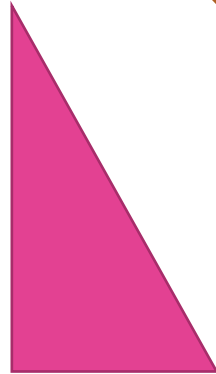
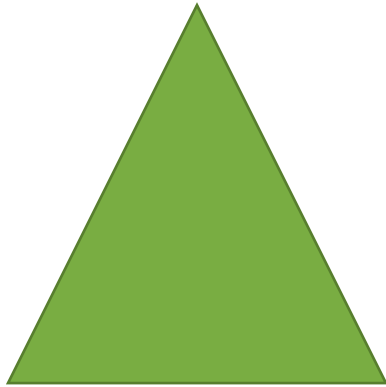
How do you know?



It is the only triangle. The other shapes are rectangles.

Can you spot the odd one out?

Can you explain why?



It is the only square. The other shapes are triangles.

Aim



- To identify common 2D shapes.

Success Criteria

- I can name common 2D shapes.
- I can describe 2D shapes.
- I can find 2D shapes around me.



Aim: To identify common 2D shapes.				Date:					
				Delivered By:			Support:		
Success Criteria	Me	Friend	Teacher	T	PPA	S	I	AL	GP
I can name common 2D shapes.				Notes/Evidence					
I can describe 2D shapes.									
I can find 2D shapes around me.									
Next Steps									
<ul style="list-style-type: none"> _____ _____ 									

T	Teacher	I	Independent
PPA	Planning, Preparation and Assessment	AL	Adult Led
S	Supply	GP	Guided Practice

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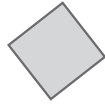
circle



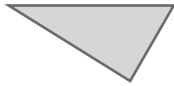
triangle



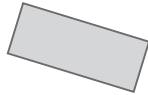
rectangle



square



triangle



rectangle

The first shape is a square. It has four corners and four sides of equal length.



The second shape is a triangle. It has three sides and three corners. The sides in a triangle can be the same length but they can also be different lengths.

Children can make a triangle, square or rectangle using straws. They may also be able to make a pentagon or hexagon but it is not expected that they can name these shapes.

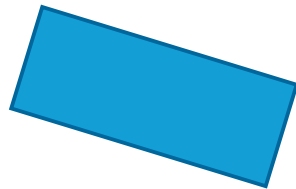
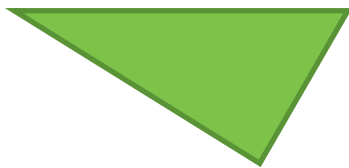
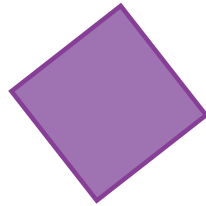
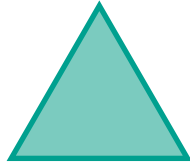
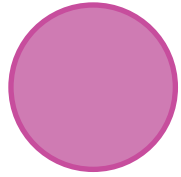


Name 2D Shapes



Label the shapes.

square rectangle circle triangle

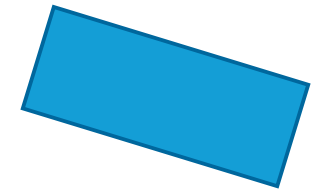
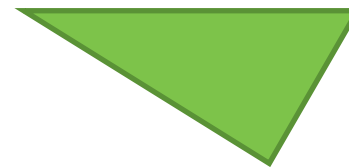
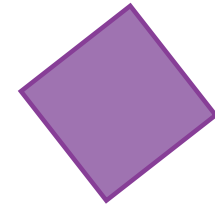
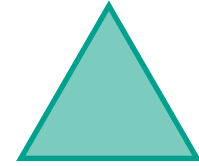
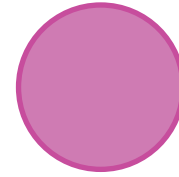


Name 2D Shapes



Label the shapes.

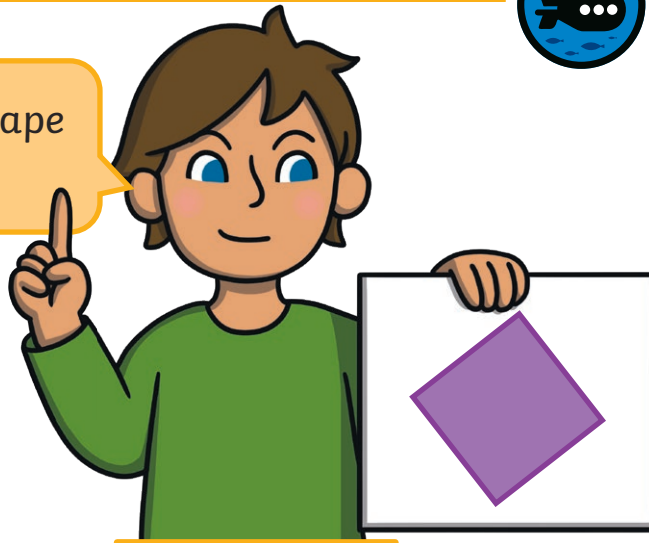
square rectangle circle triangle



Name 2D Shapes

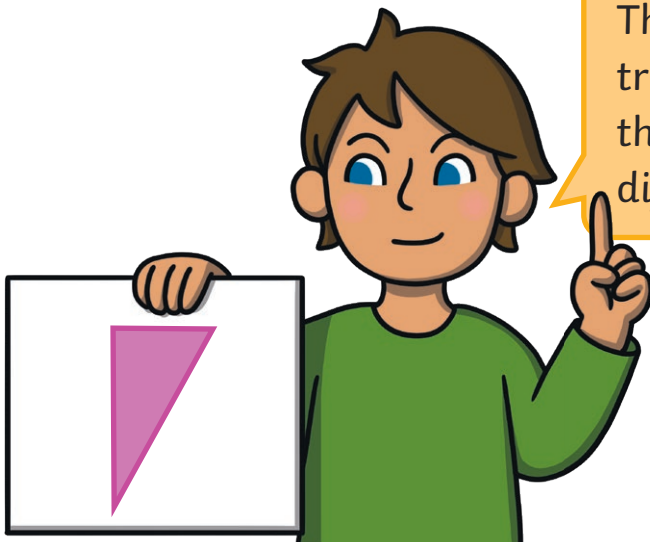


I think this shape is a square.



Do you agree? Explain why.

This is not a triangle because the sides are different lengths.

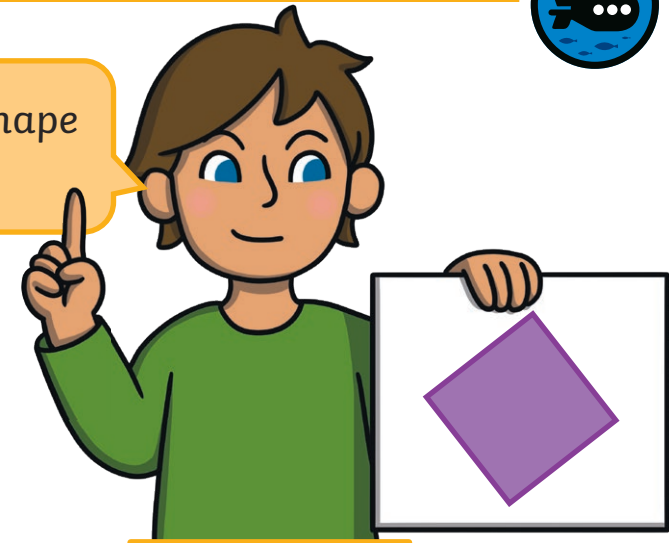


Do you agree? Explain why.

Name 2D Shapes

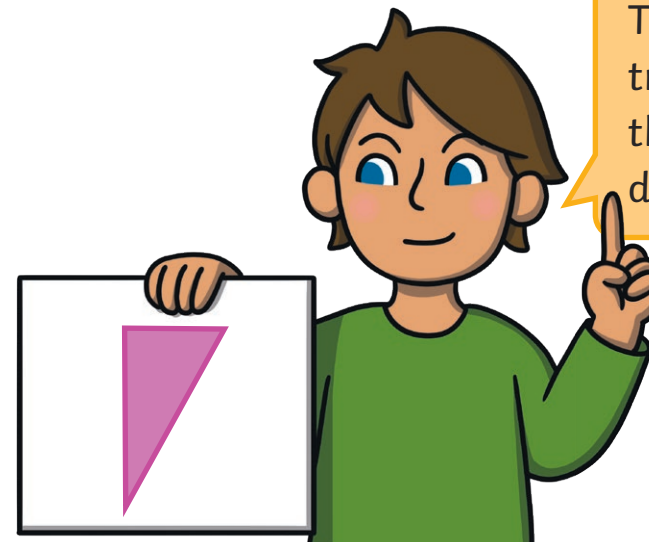


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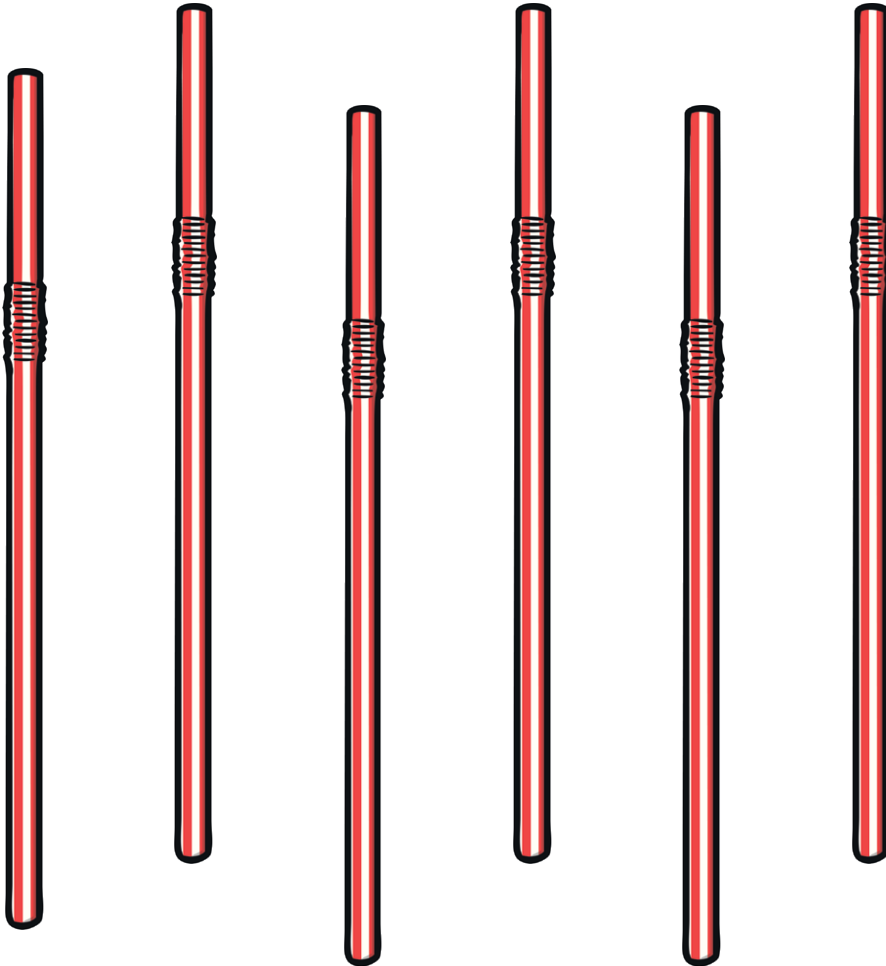


Do you agree? Explain why.

Name 2D Shapes



What 2D shapes can you make using 6 straws?



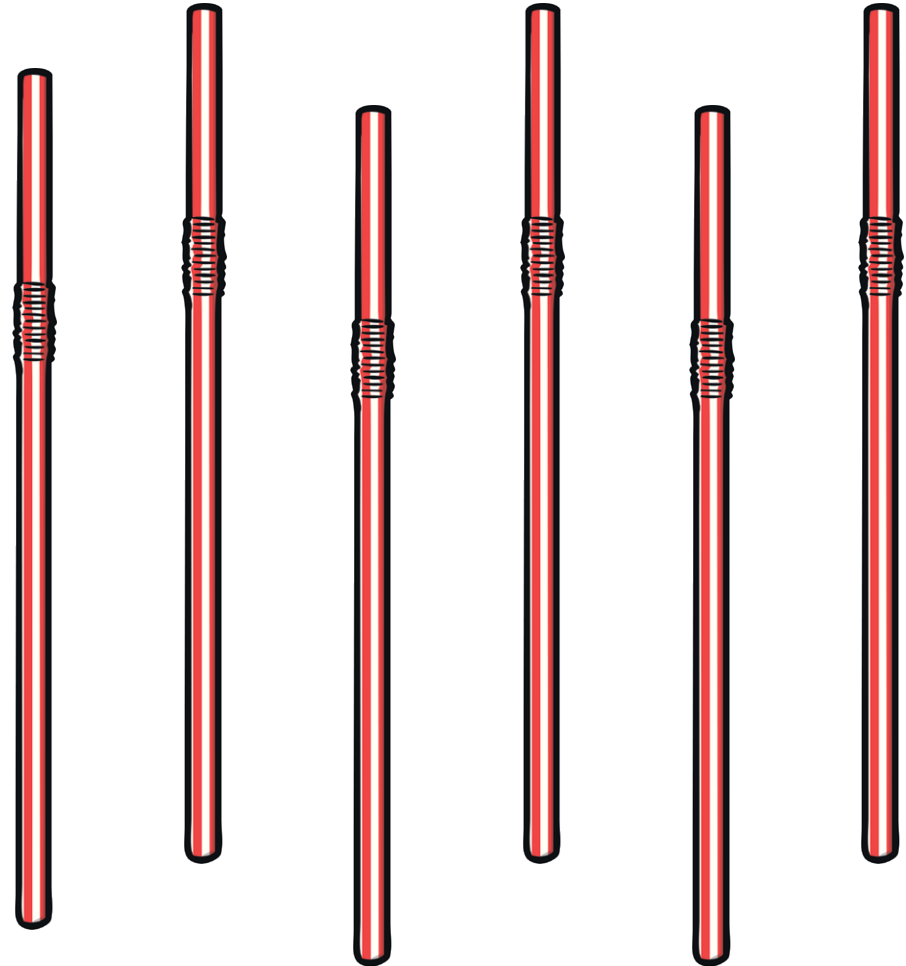
Name the shape.

Describe the shape.

Name 2D Shapes



What 2D shapes can you make using 6 straws?



Name the shape.

Describe the shape.

Name 2D Shapes

Adult Guidance with Question Prompts



Children name common 2D shapes and begin to describe some of their properties. Here, children identify the common shapes in different orientations and name them. They use the word bank to help them spell the shape names. Use this activity to address misconceptions, such as shapes must be lined up straight on the page.

Can you read the shape names?

Can you find any of those shapes on the page?

How do you know what that shape is?

How many sides/corners does it have?

If the shape is turned, is it still the same shape?

Do triangles always have three sides and three corners?

What do squares always have?

What does a rectangle look like?

What makes a square a special type of rectangle?

Name 2D Shapes



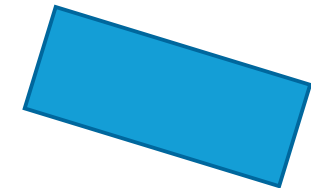
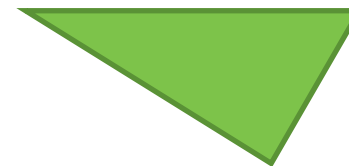
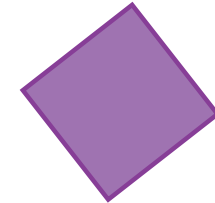
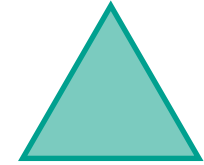
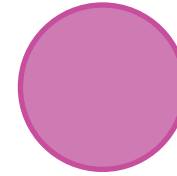
Label the shapes.

square

rectangle

circle

triangle



Name 2D Shapes

Adult Guidance with Question Prompts



Children name common 2D shapes and begin to describe some of their properties. In this activity, children reason about whether the children have named the shapes correctly and explain their answer using the properties they know. Some children may say the square is a diamond, emphasise that a shape can be turned around but it is still the same shape. They can turn their paper around to check.

What shape do you think this is?

Why do you think that?

What do you know about squares?

How many sides/corners do they have?

What is special about the sides?

What do you know about triangles?

How many sides/corners do they have?

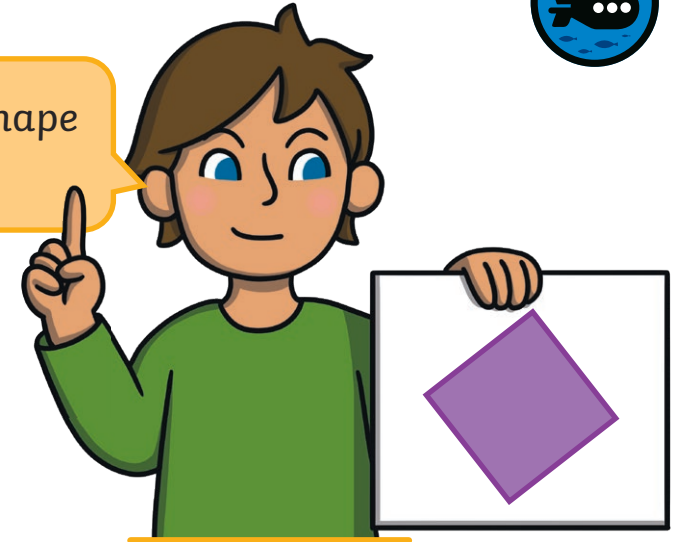
Do all the sides have to be the same length?

How do you know?

Name 2D Shapes

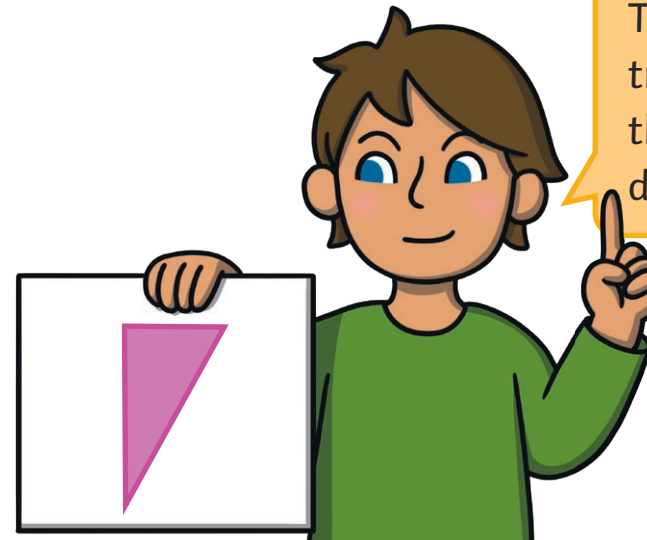


I think this shape is a square.



Do you agree? Explain why.

This is not a triangle because the sides are different lengths.



Do you agree? Explain why.

Name 2D Shapes

Adult Guidance with Question Prompts



Children name common 2D shapes and begin to describe some of their properties. They investigate what 2D shapes they can make using lolly sticks or straws as the shape's sides. They should name the shapes and describe them. If you provide more than four sticks or straws it will extend their investigation so they can make shapes with more than four sides.

Can you make a shape with one or two straws? Why not?

What shape can you make with three or four straws?

Can you put two straws in a straight line to make a longer side?

What is the name of the shape you've made?

How many sides and corners does it have?

Can you make a shape with more than four sides?

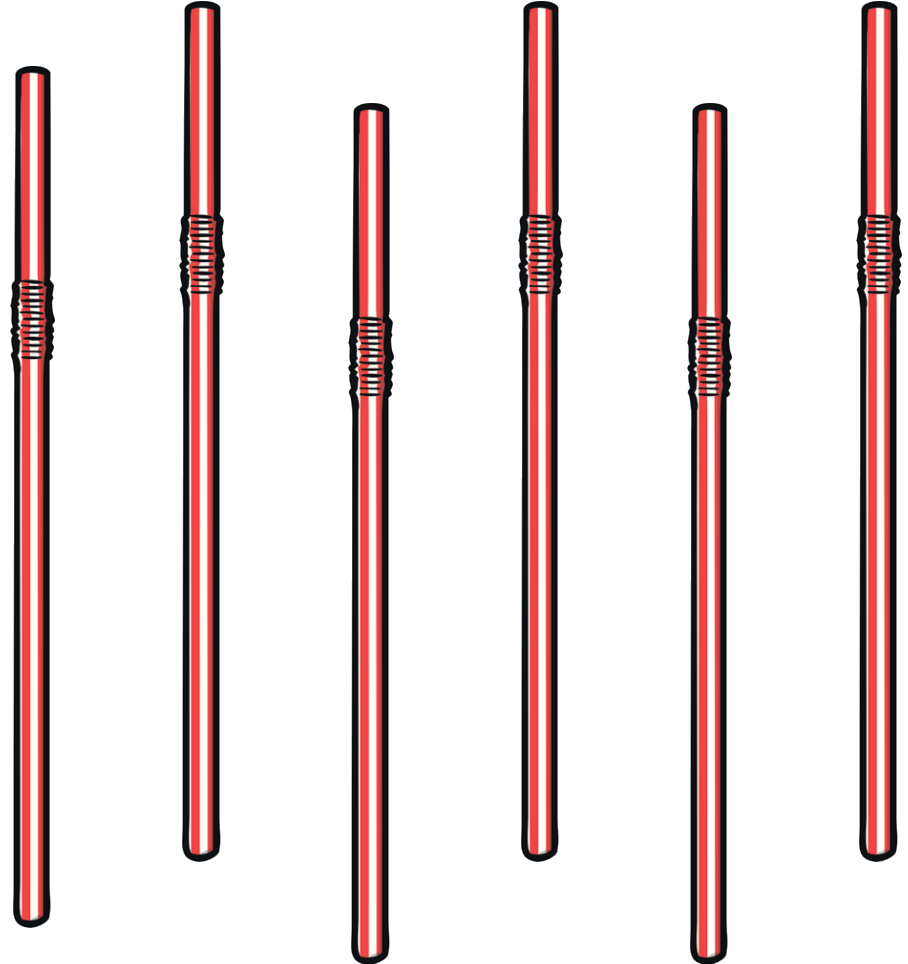
Can you describe it?

Are there any 2D shapes you can't make with the straws? Why?

Name 2D Shapes



What 2D shapes can you make using 6 straws?

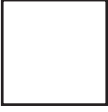
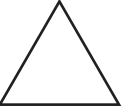

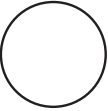


Name the shape.

Describe the shape.

Shape Hunt

Draw and label the things you find that have these shapes on them.

Square 	Triangle 
Rectangle 	Circle 

Properties of Shape | Properties of Shape:

To identify common 2D shapes.		
I can name common 2D shapes.		
I can describe 2D shapes.		
I can find 2D shapes around me.		

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