

Monday 8th December 2025



L.Q. Can I recognise 2D shapes?

Steps to success

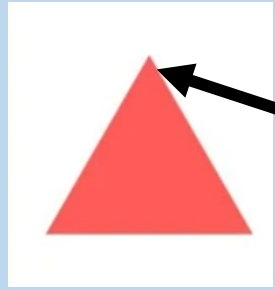


- *I can recognise and name 2D shapes.*
- *I can count the sides of 2D shapes.*
- *I can count the vertices (corners) of 2D shapes.*

Star words

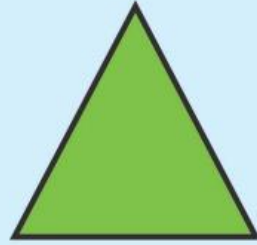


2D shapes

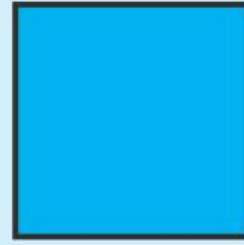


vertices

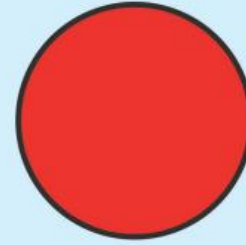
sides



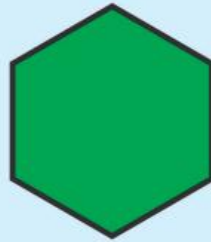
triangle



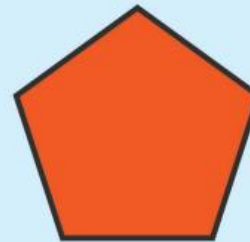
square



circle



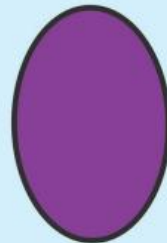
hexagon



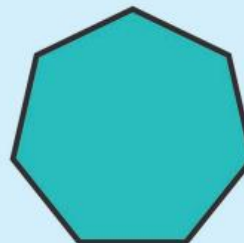
pentagon



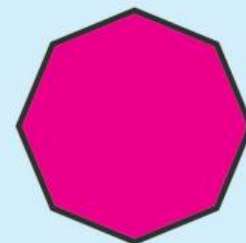
rectangle



oval



heptagon

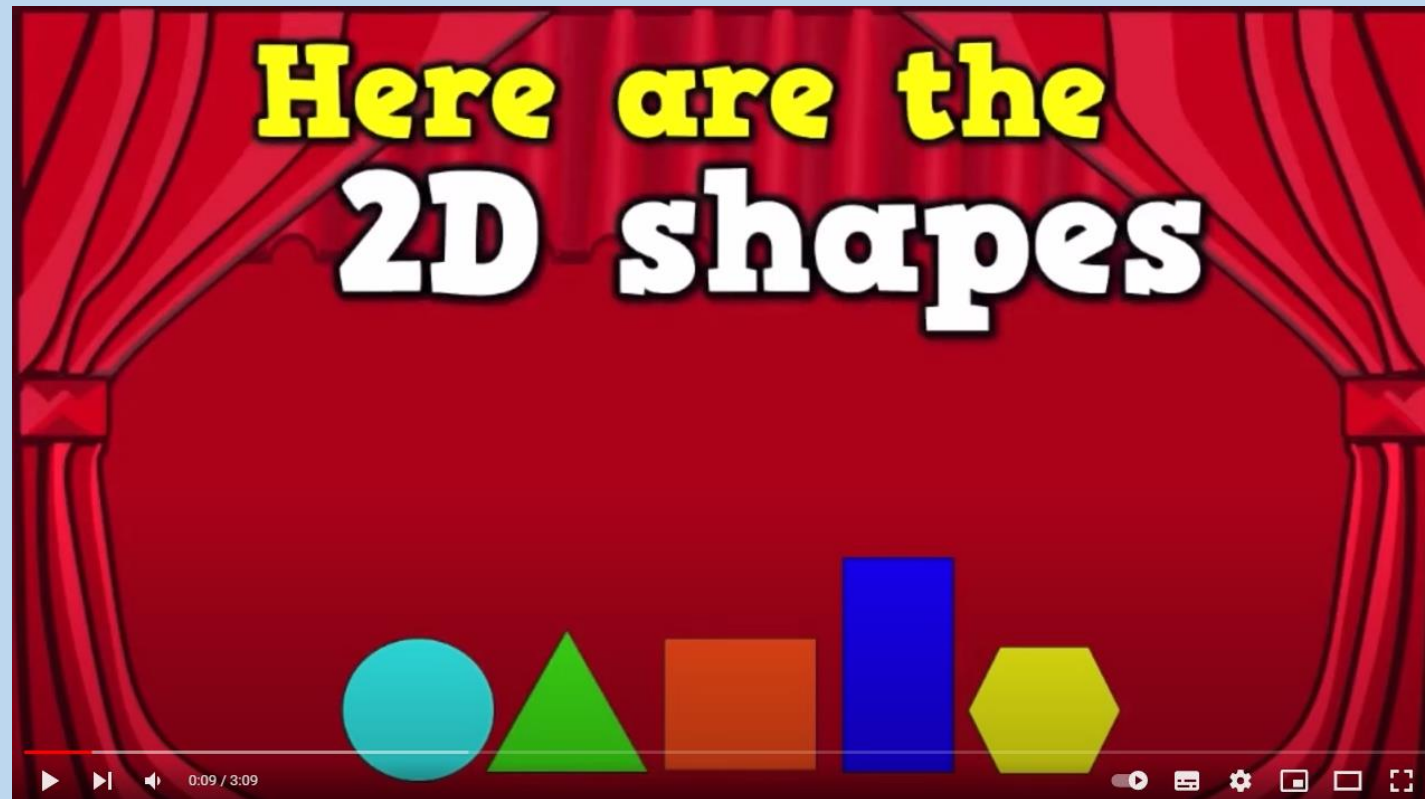


octagon



Let's look at the picture..

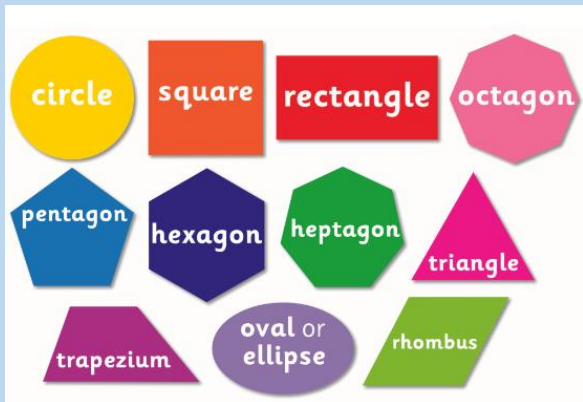
<https://www.youtube.com/watch?v=LirJoYjx-eA>



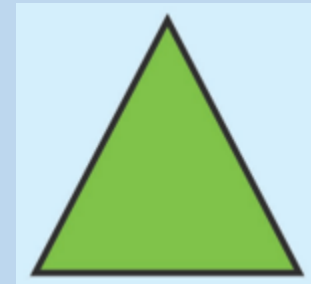
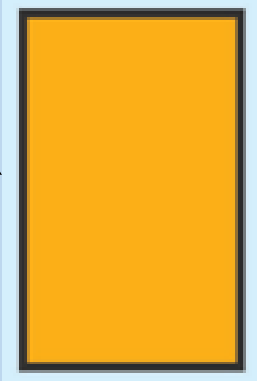
Today we are going to explore 2D shapes and describe their properties.

TPs: What is a 2D shape?

2D shapes are flat and cannot be physically held. 2D shapes have sides and vertices. Sometimes the vertices are called corners.



sides

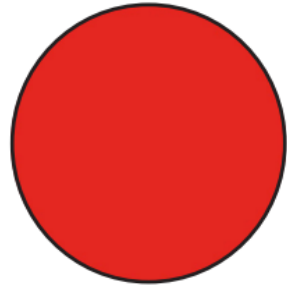


corners/vertices



Can you recognise these shapes? Lets say it together!

circle



square



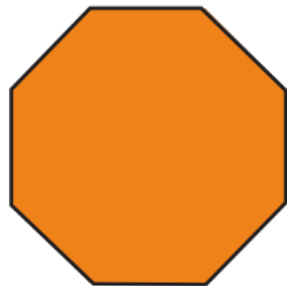
triangle



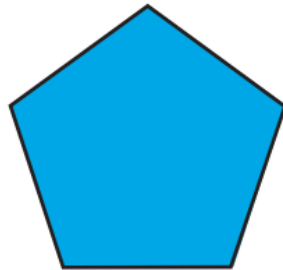
rectangle



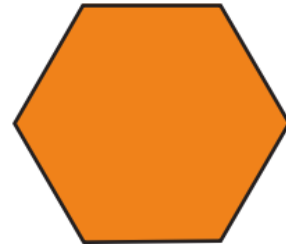
octagon



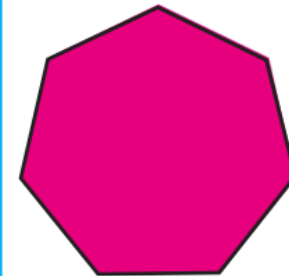
pentagon

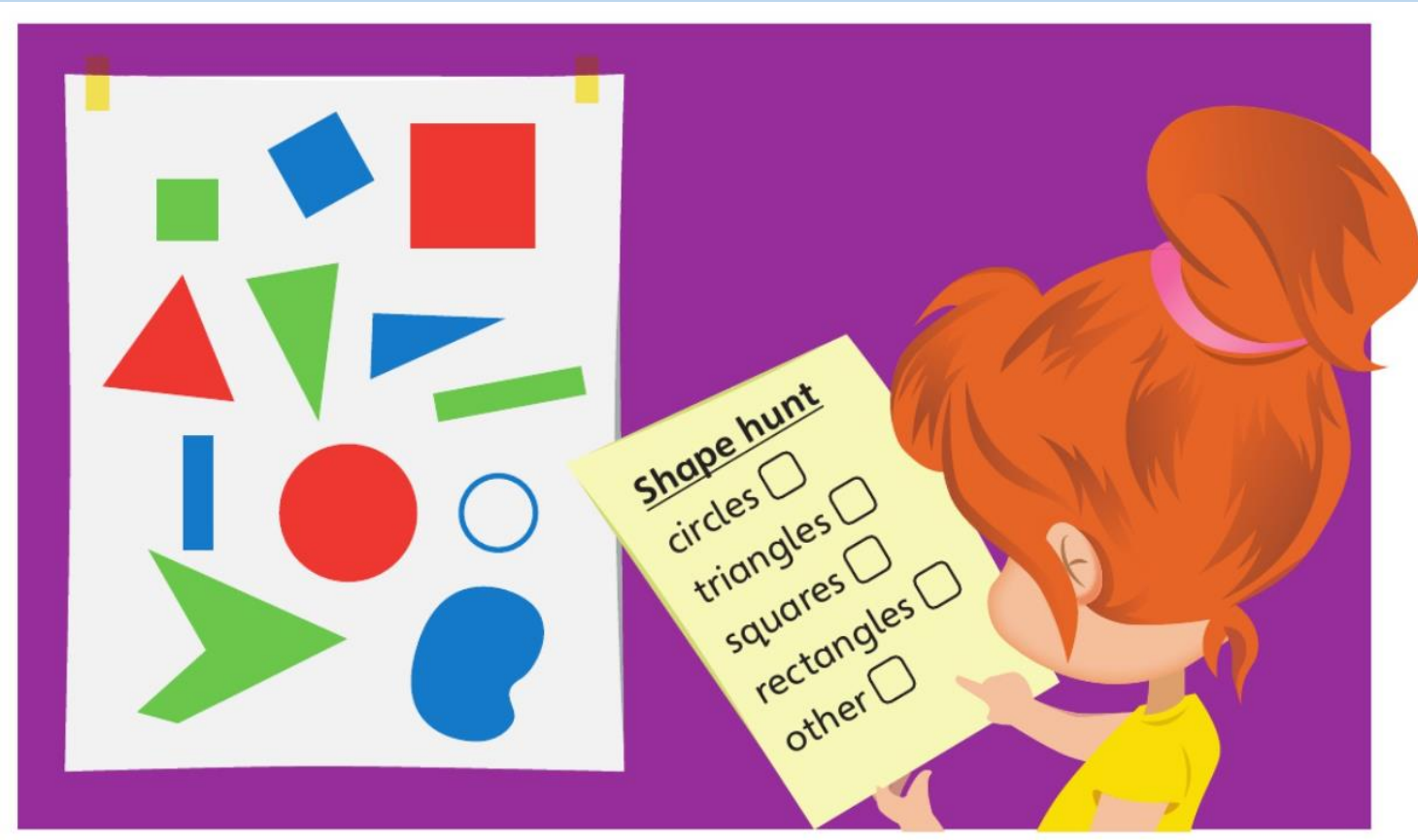


hexagon



heptagon



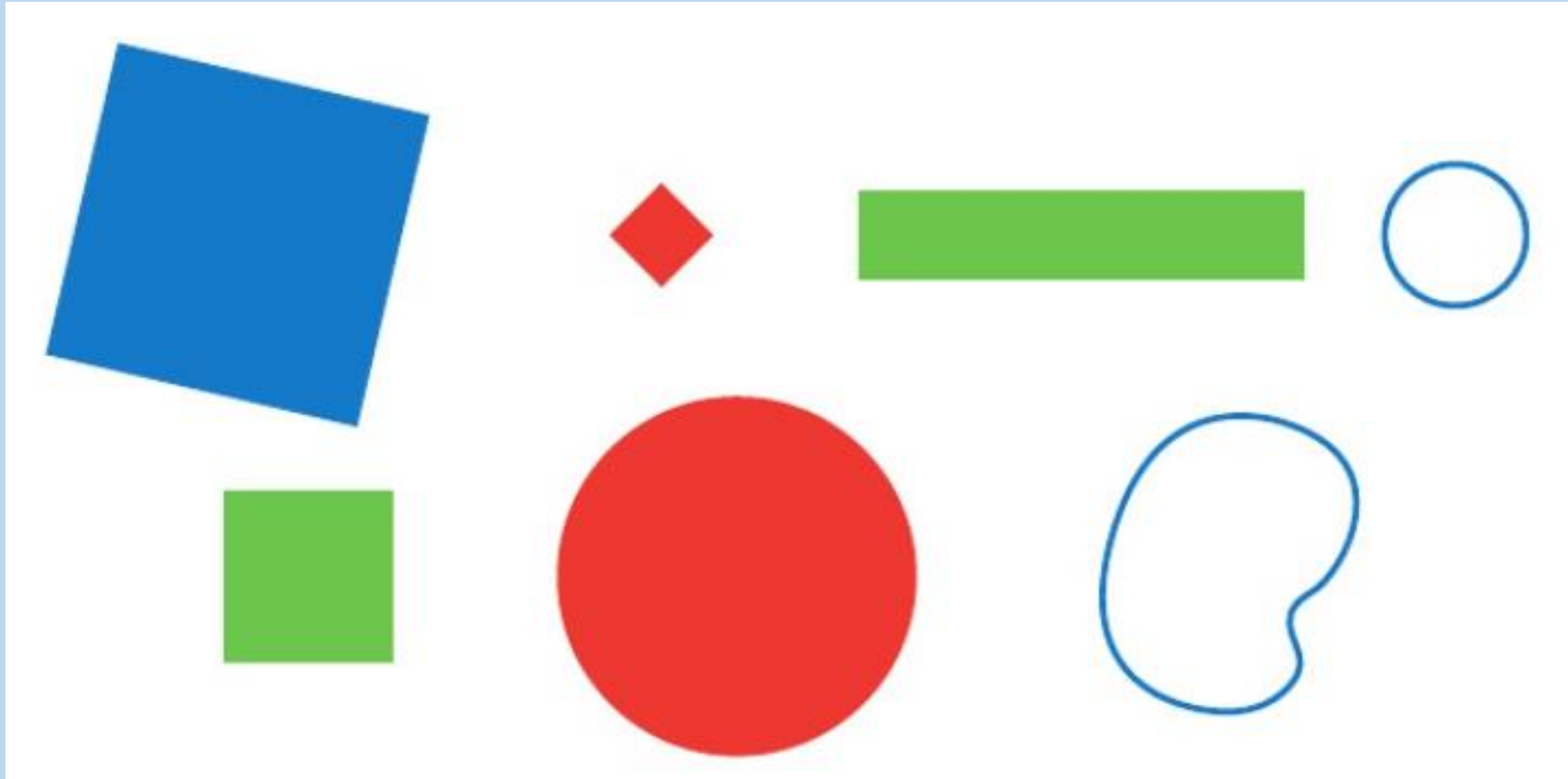


TPs: How many circles and triangles are there?

There are _____ circle and triangles.

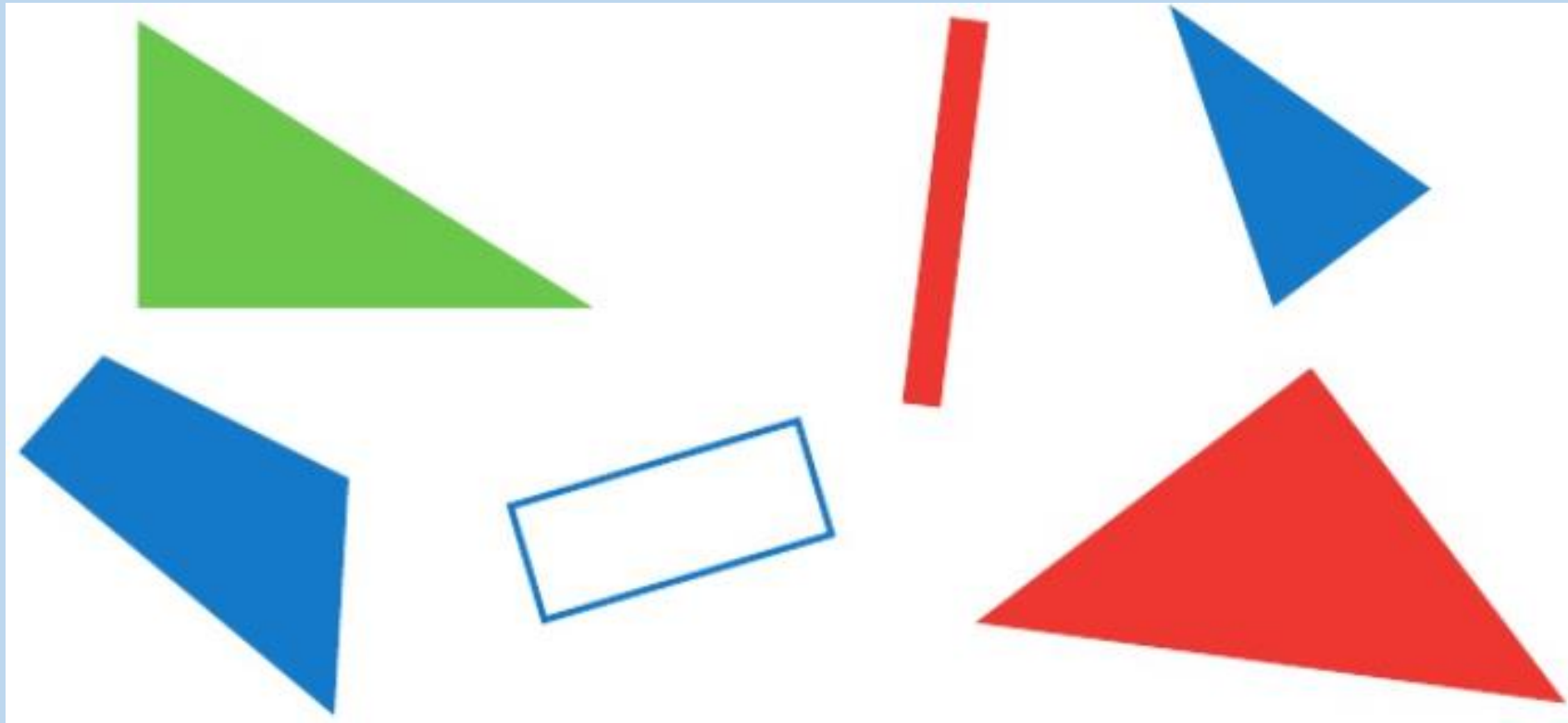
TPs: How many of the shapes are not triangles?

_____ shapes are not triangles.



*TPs: Find the squares
and circles.*

*There are _____ squares.
There are _____ circles.*



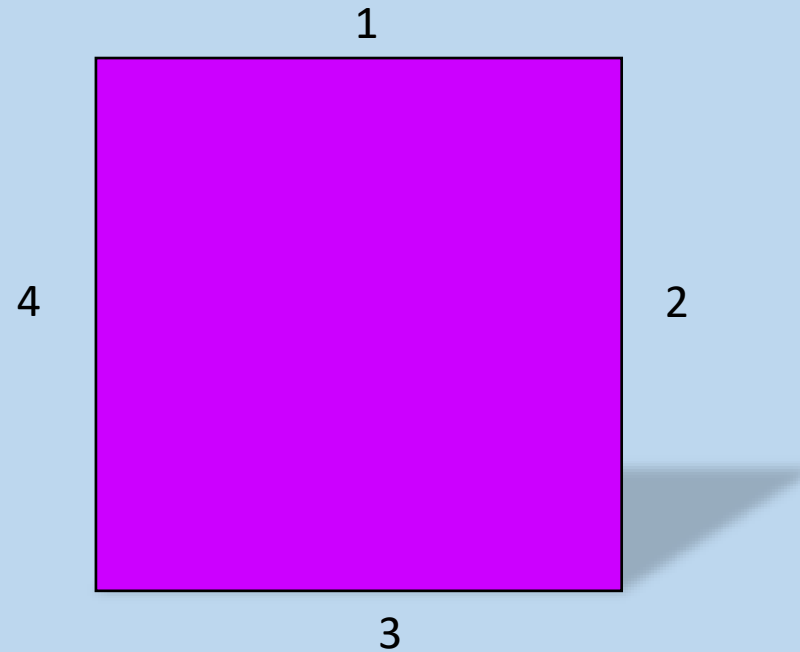
*TPs: How many rectangles are there?
How many triangles are there?*

*There are _____ rectangles.
There are _____ triangles.*

Let's describe the properties of a square.

How many sides does a square have?

How many corners does a square have?



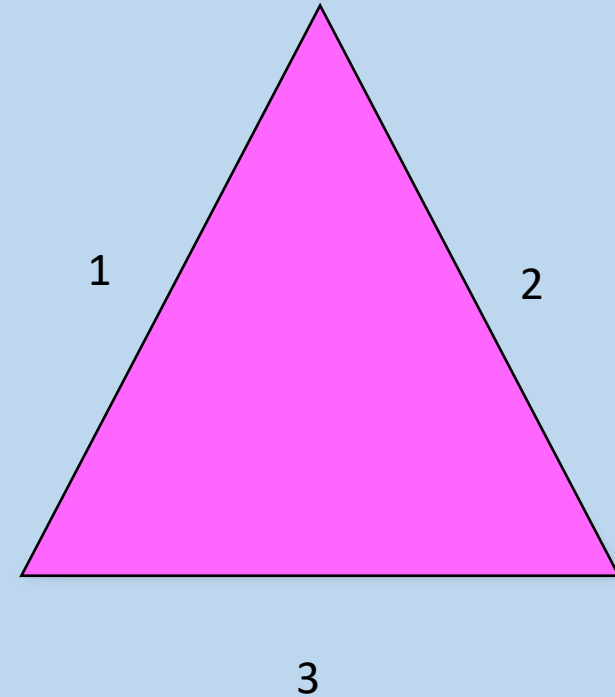
Teacher to model counting the corners and sides.

TP: A square has _____ sides and _____ corners.

Let's describe the properties of a circle.

How many sides does a triangle have?

How many corners does a triangle have?

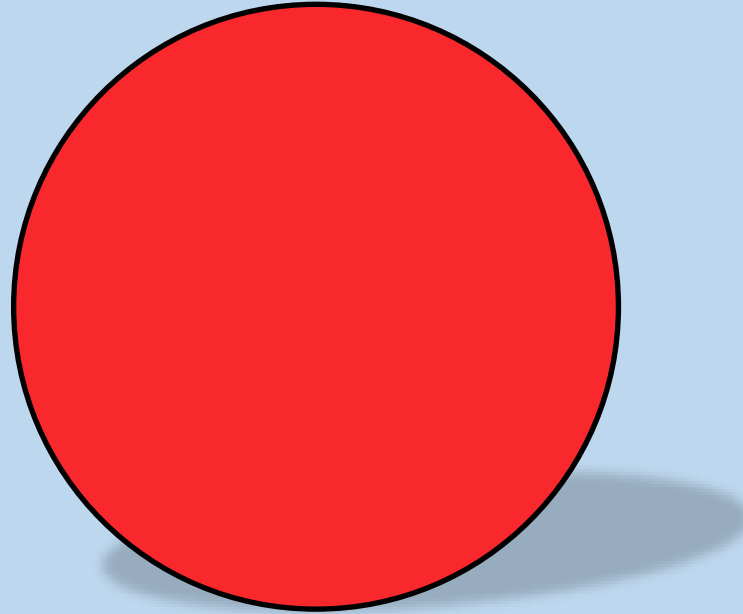


TP: A triangle has _____ sides and _____ corners.

Teacher to model counting the corners and sides.

Let's describe the properties of a circle.

How many corners does a circle have?



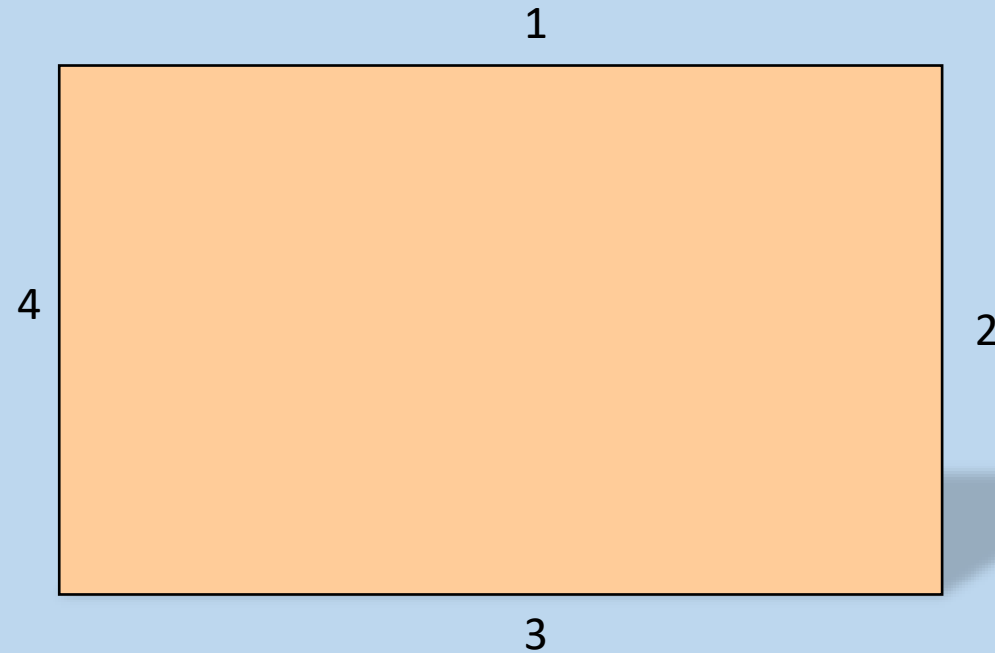
TP: A circle has _____ surface.

Teacher to model counting the corners and sides.

Let's describe the properties of a rectangle.

How many sides does a rectangle have?

How many corners does a rectangle have?



Teacher to model counting the corners and sides.

TP: A rectangle has _____ sides and _____ corners.

Self assessment

Do you understand how to count the sides and the corners?



Your task

Work in a small group and name and sort the 2D shapes.

<p><u>Triangles</u> ▲</p>	<p><u>Squares</u> ■</p>
<p><u>Rectangles</u> ▭</p>	<p>▲ <u>Others</u> ● ▯</p>



Self assessment

Do you understand the task?



Our Maths Learning Journey

Key vocabulary:

1 more than

1 less than

Tens

Ones

Compare

Greater than, less than, fewer, equal to

Addition, add

Subtraction, subtract, take away

Fact family

2D shapes – square, triangle, rectangle, circle, flat, pentagon

3D shapes – cube, cuboid, sphere, cone, pyramid, cylinder

patterns, repeating

Comparing the properties of
2D and 3D shapes.

Subtracting tens and ones
Addition-Subtraction fact family
Naming 2D and 3D shapes.

Add by making 10
Subtract ones from a 2-digit number
Subtracting tens and ones.

Comparing numbers of objects
Ordering numbers
Add by making 10

Partitioning (tens and ones)
Number bonds to 20.

Counting
forwards/backwards and 1
more/ 1 less within 20.

1 less than within 20
Partitioning (tens and ones)

Tuesday 9th December 2025

L.Q. Can I complete the pattern?

<https://www.topmarks.co.uk/ordering-and-sequencing/christmas-patterns>





LQ: Can I recognise 2D shapes?

Steps to success



I can recognise and name 2D shapes.

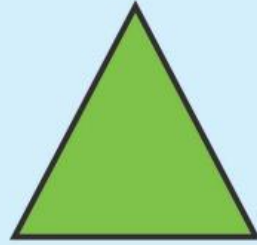
I can count the sides of 2D shapes.

I can count the vertices (corners) of 2D shapes.

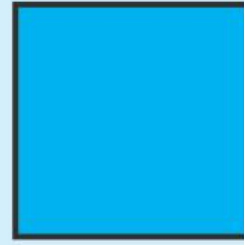
Star words



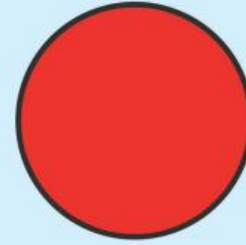
2D shapes



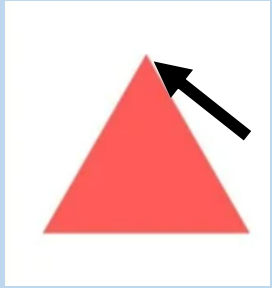
triangle



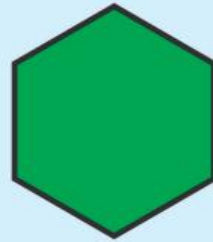
square



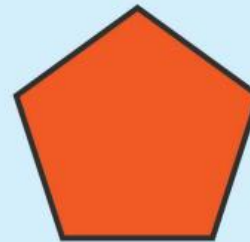
circle



Vertices/corners



hexagon



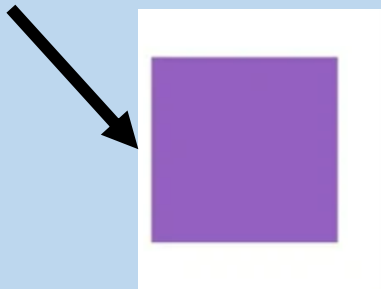
pentagon



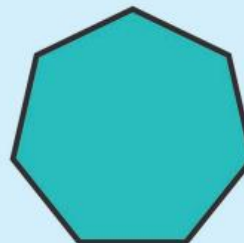
rectangle



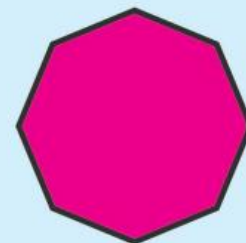
sides



oval



heptagon



octagon



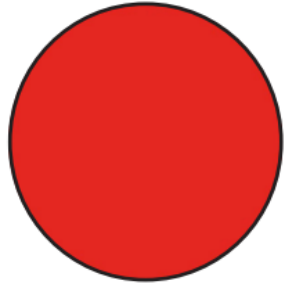
L.Q. Can I recognise 2D shapes?

<https://www.youtube.com/watch?v=24Uv8Cl5hvl>

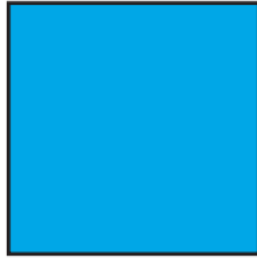


Can you recognise these shapes? Lets say it together!

circle



square



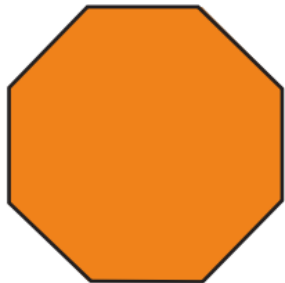
triangle



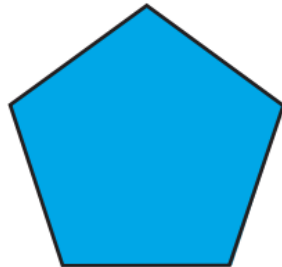
rectangle



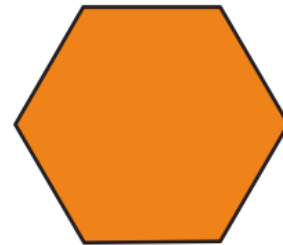
octagon



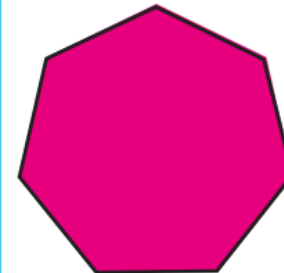
pentagon



hexagon

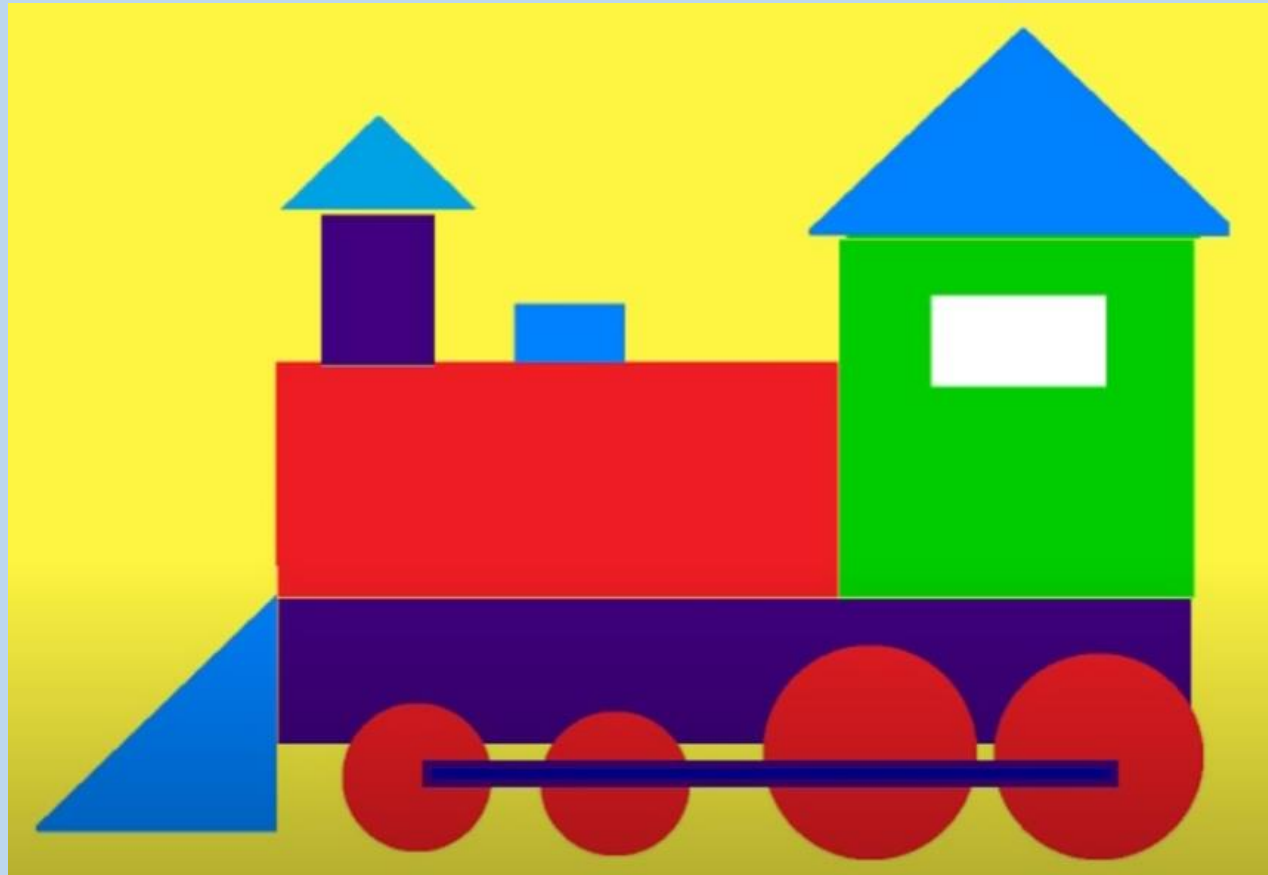


heptagon



TPs: I can see a _____.

Can you spot the shapes in
the picture.



TP: I can see a _____.

TP: A triangle has _____
sides and _____ corners.

What shape is covered by
the ball?

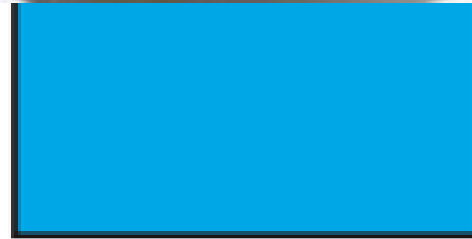


How do you know?

TP: I can see a _____.

TP: A square has _____
sides and _____ corners.

What shape is covered by
the hat?



How do you know?

TP: I can see a _____.

TP: A pentagon has _____
sides and _____ corners.

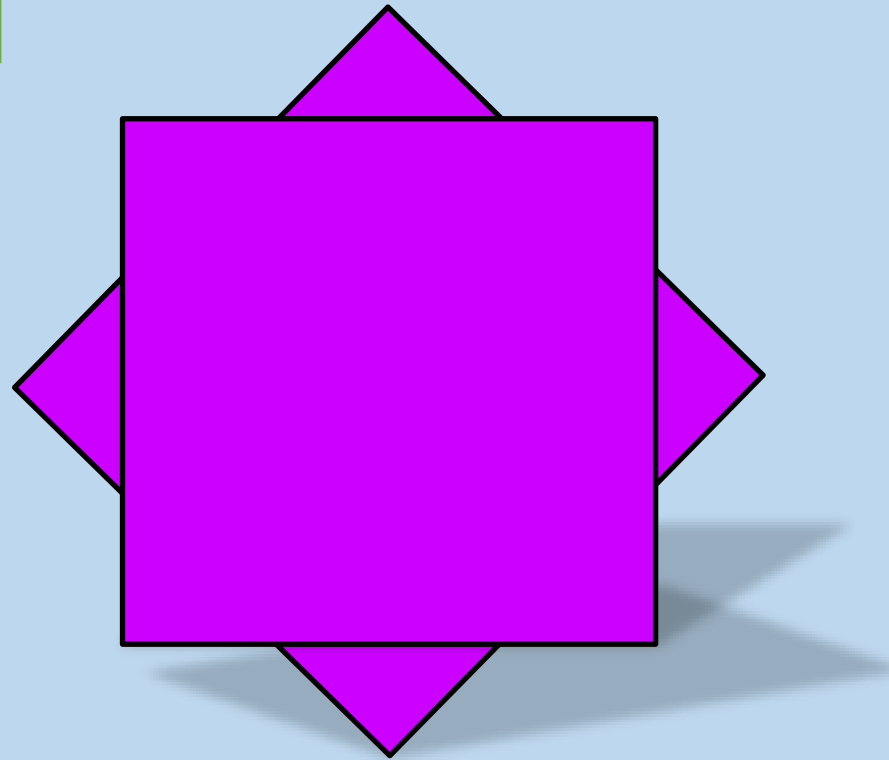
What shape is covered by
the flower?



How do you know?

What shape is this? How do you know?

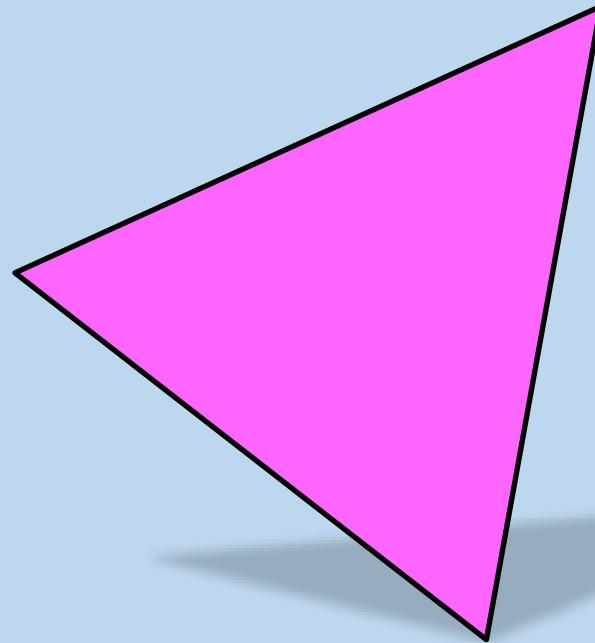
TP: This is a _____ because...



*This shape is a square.
We usually see a square
in this orientation.*

What shape is this? How do you know?

TP: This is a _____ because...



This shape is triangle.
It has 3 sides and 3 corners.

Self assessment

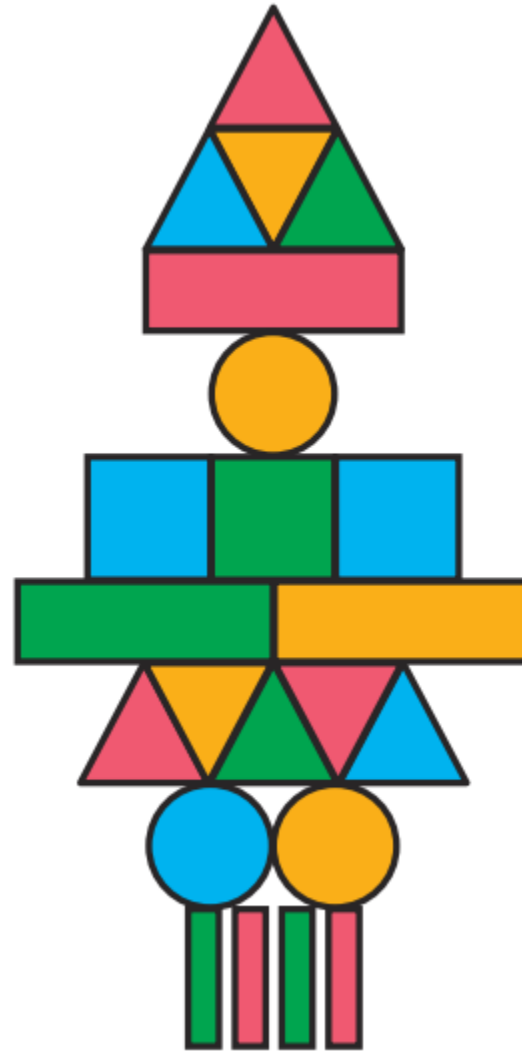
Do you understand how to
identify and name the 2D shapes?



Lila has made a rocket with 2D shapes.
She counted how many of each shape she used.

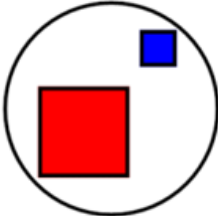
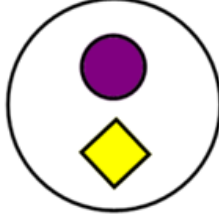
Is she correct?

If she is correct, place a tick and if she is wrong, write the correct number.







triangles	9	
squares	3	
circles	4	
rectangles	6	

Your task

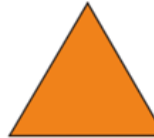



<p>1. Use the star words to name the shapes. Remember, the names are not written in order.</p> <p>square circle triangle rectangle</p>	<p>2. Eva has sorted the shapes.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Squares</p>  </div> <div style="text-align: center;"> <p>Not Squares</p>  </div> </div> <p>Has she sorted them correctly? Explain how you know.</p> <p><u>Sentence starter:</u> She has sorted them correctly because... She has not sorted them correctly because...</p>	<p>3. I have 2 shapes in my bag. They have 4 sides and 4 corners.</p> <p>What shapes are they?</p>
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1.

	
_____	_____
	
_____	_____




Today I worked in a small group to recognise, name and label 2D shapes. I discussed the 2D shapes by describing its properties using the key vocabulary 'sides' and 'corners'.

triangle	square	rectangle	circle
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_____	_____
	
_____	_____

Self assessment

Do you understand the tasks?

Wednesday 10th December 2025



LQ: Can I recognise 3D shapes?

Steps to success



I can recognise 3D shapes.

I can name 3D shapes.

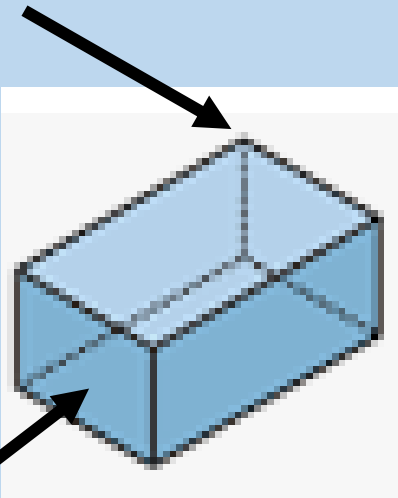
I can compare and identify similarities and differences between 3D shapes.

Star words



3D shapes










vertices



faces

edges

3D Shapes

 Cylinder	 Cube	 Pyramid
 Triangular prism	 Cone	 Cuboid
 Hexagonal Prism	 Sphere	 Hemisphere



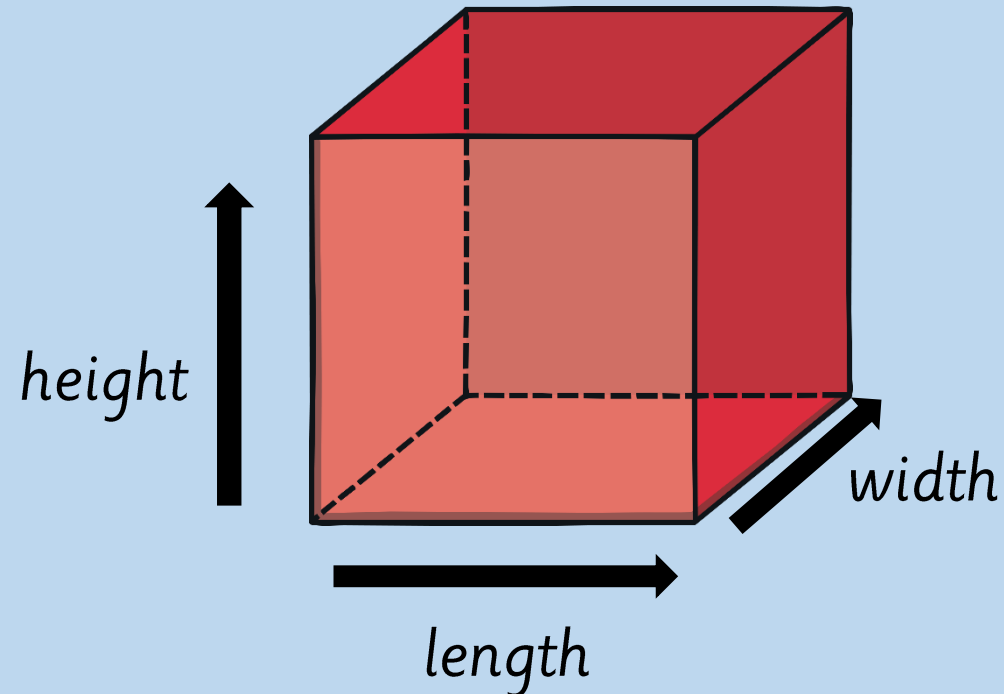
<https://www.youtube.com/watch?v=2cg-Uc556-Q>



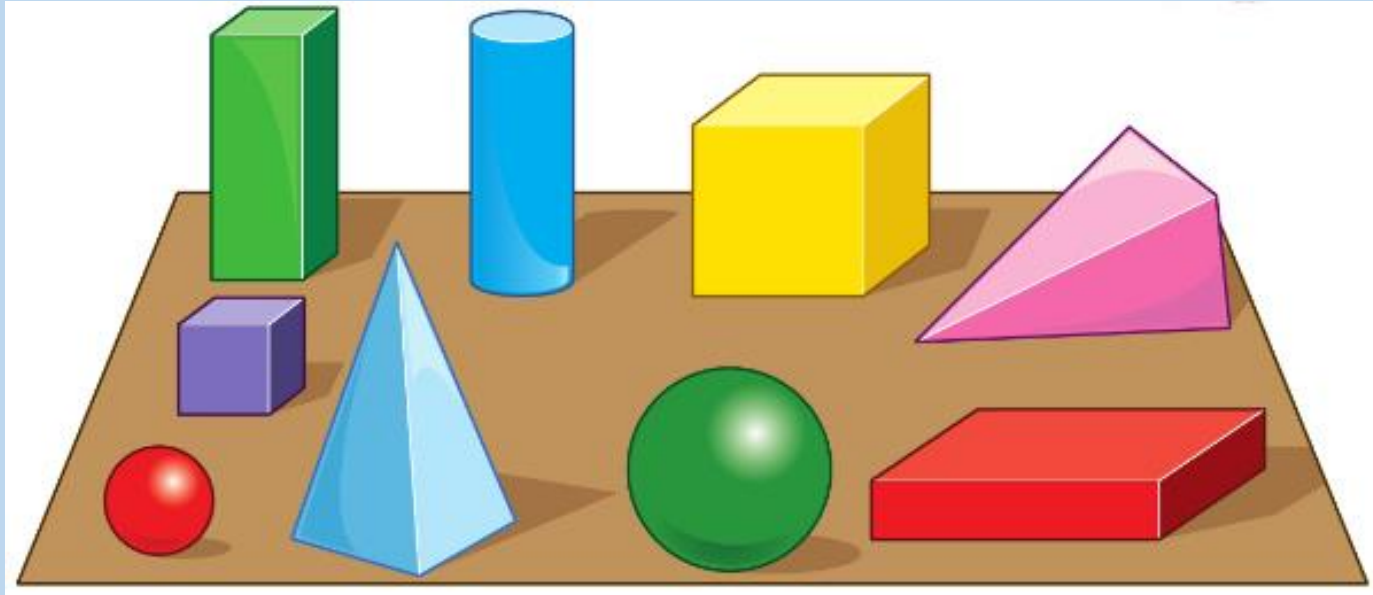
Today we are going to explore 3D shapes.

TPs: What is a 3D shape?

3D shapes are solid shapes. They are 3 dimensional meaning they have length, width and height.



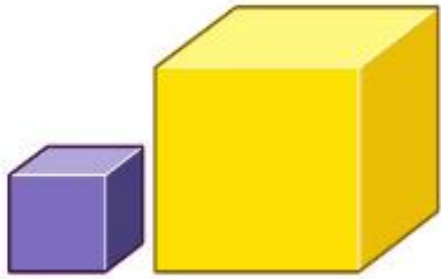
Let's name the shapes and pair them together.



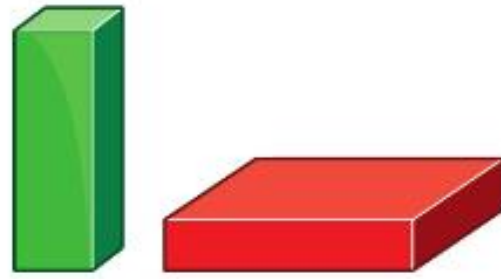
TPs: What shape is the odd one out? Why?

Adult to use 3D shapes to name and describe.

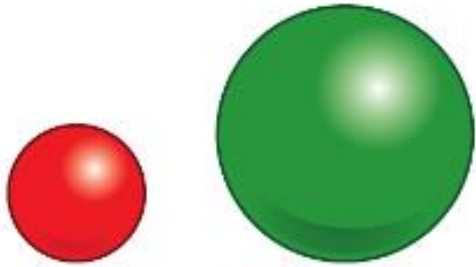
a)



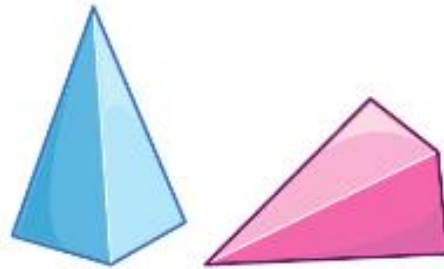
cube



cuboid



sphere



pyramid

b)

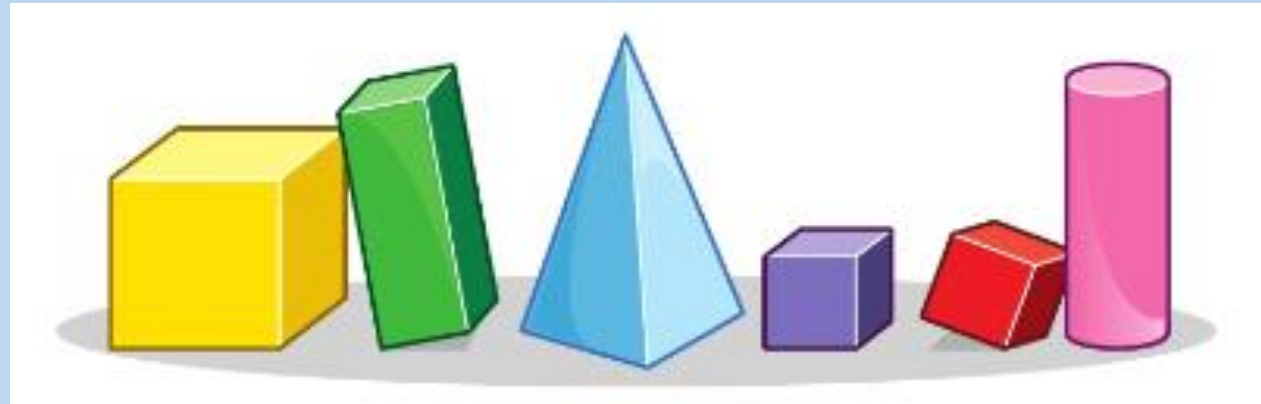


The **cylinder** does not have a pair.

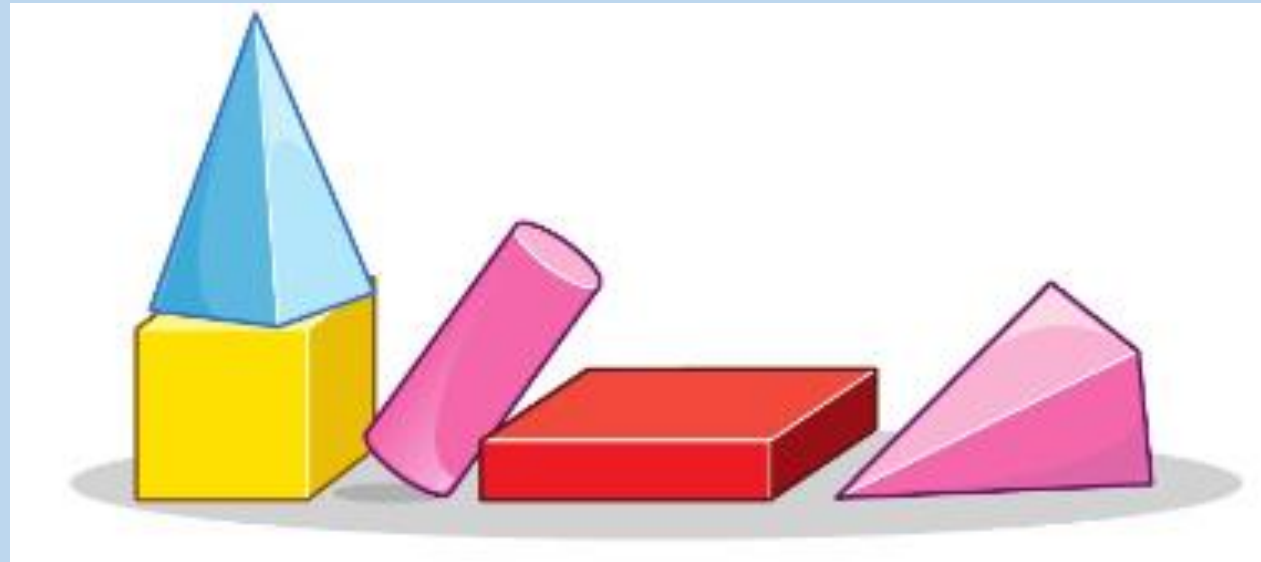
TPs: What is different about the cube and the cuboid?

Are they not the same?

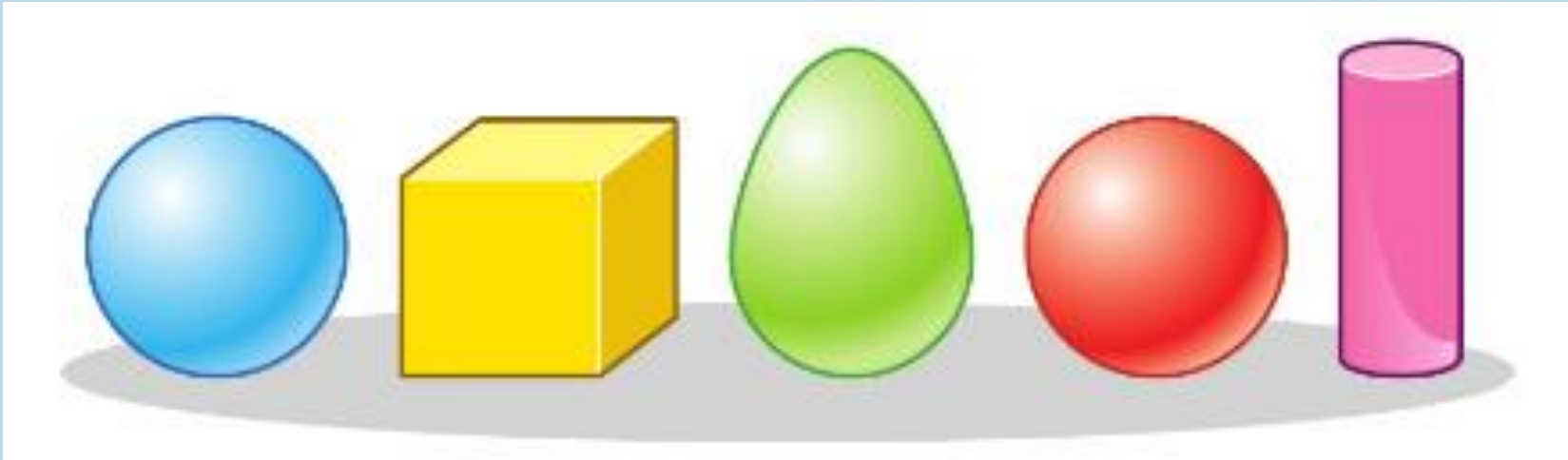
Circle the cubes.



How many pyramids
are there?



There are _____ pyramids.

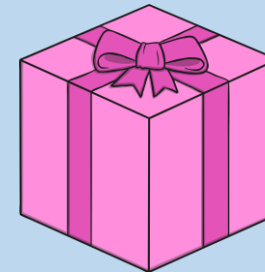
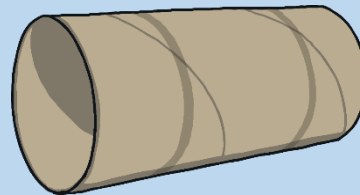
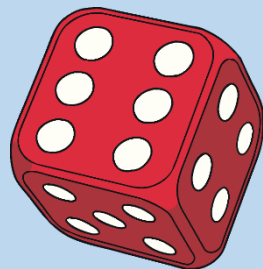
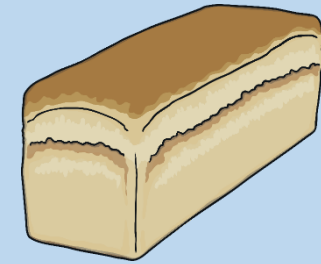
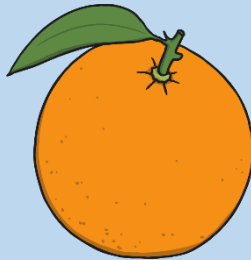
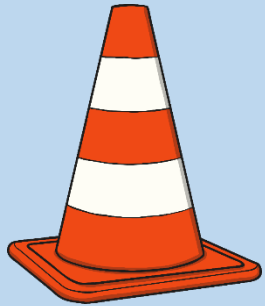


How many shapes are not spheres?

_____ shapes are not spheres.

3D shapes are all around us and we can find them in everyday objects.

Let's say these 3D shape name together!



Self assessment

Can you name 3D shapes?
















Name the shapes.

Your task

cube 	sphere 	cuboid 	cylinder 	cone 

Name and sort the 3D shapes and objects in the groups.

Self assessment

Do you understand the tasks?



Thursday 11th December 2025

L.Q. Can I recall number bonds to 20?

<https://www.topmarks.co.uk/maths-games/hit-the-button>

The image shows a screenshot of the 'Hit the Button' game interface. At the top, the equation 10×12 is displayed in large yellow text. Below this, there is a grid of 12 orange circular buttons arranged in 3 rows and 4 columns, connected by silver lines. The buttons contain the following numbers:

36	48	24	12
72	96	60	84
144	108	132	120

To the right of the grid are two circular buttons: a green one at the top and a red one at the bottom. At the bottom of the interface, there is a dark blue bar containing the following text: 'Times Tables up to 12', 'Hit the Answer 12 x Table', 'Timer: 0:48', 'Score: 4/4', and the 'Topmarks' logo.



LQ: Can I recognise 3D shapes?

Steps to success



I can recognise 3D shapes.

I can name 3D shapes.

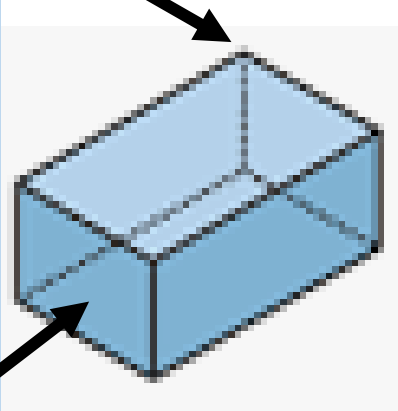
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Star words



3D shapes










vertices



faces

edges

3D Shapes

 Cylinder	 Cube	 Pyramid
 Triangular prism	 Cone	 Cuboid
 Hexagonal Prism	 Sphere	 Hemisphere



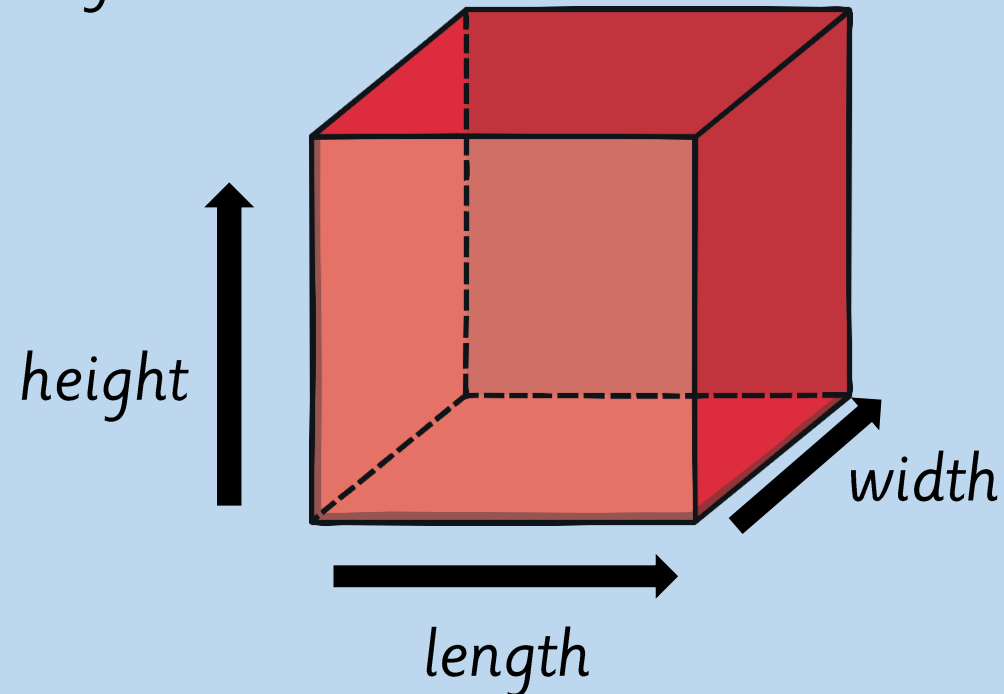
<https://www.youtube.com/watch?v=2cg-Uc556-Q>



Today we are going to continue with exploring 3D shapes and describe their properties.

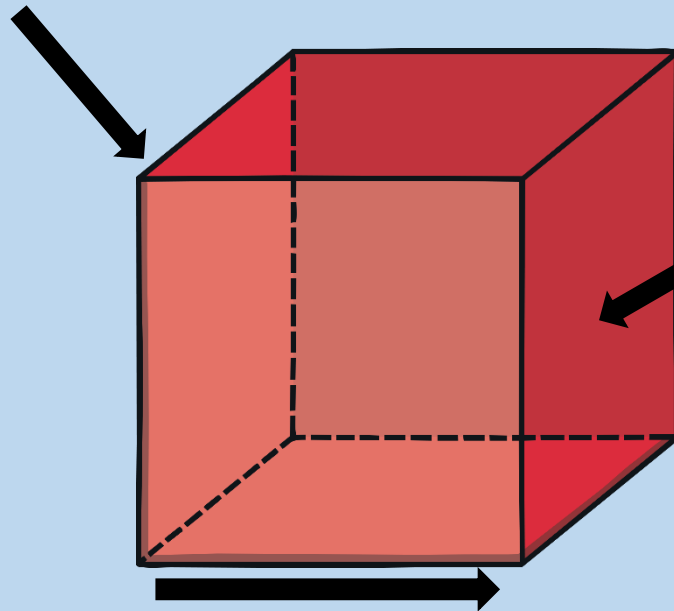
TPs: What is a 3D shape?

3D shapes are solid shapes. They are 3 dimensional meaning they have length, width and height.



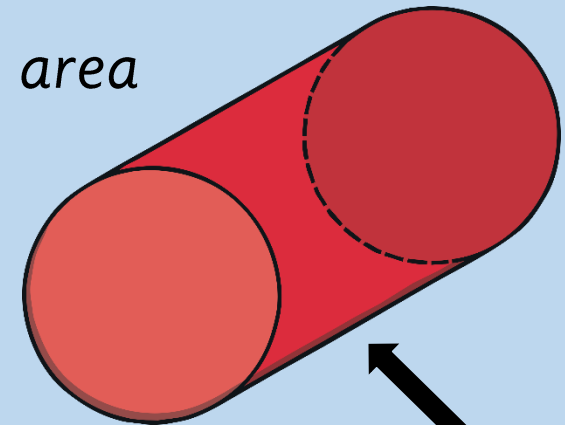
3D shapes have vertex/vertices, faces, edges and surface.

Vertex/vertices are the corners



Edge is the sides

Flat face is the flat area



Curved surface

Cube

How many faces?

6 square faces

How many edges?

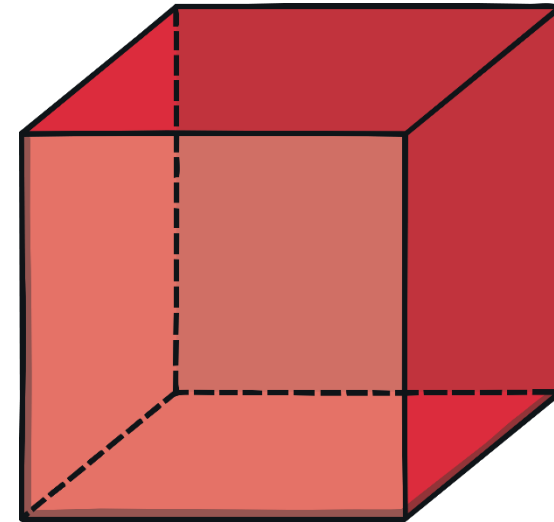
12 edges

How many corners/vertices?

8 corners/vertices

Are all the edges the same length?

yes



Cuboid

How many faces?

6 faces in total

at least 4 rectangular faces

How many edges?

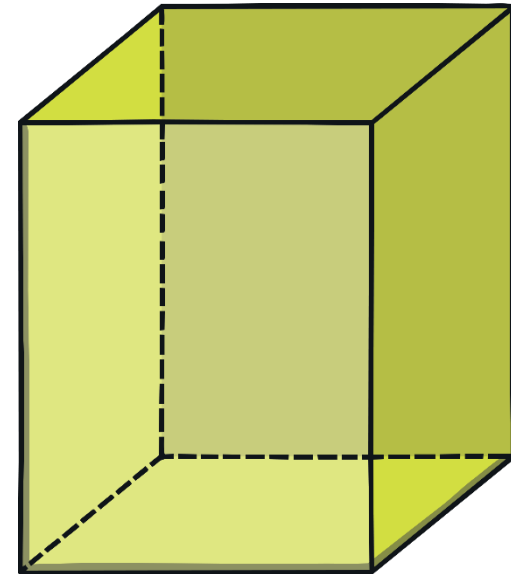
12 straight edges

How many corners/vertices?

8 corners/vertices

Are all the edges the same length?

no



Sphere

How many faces?

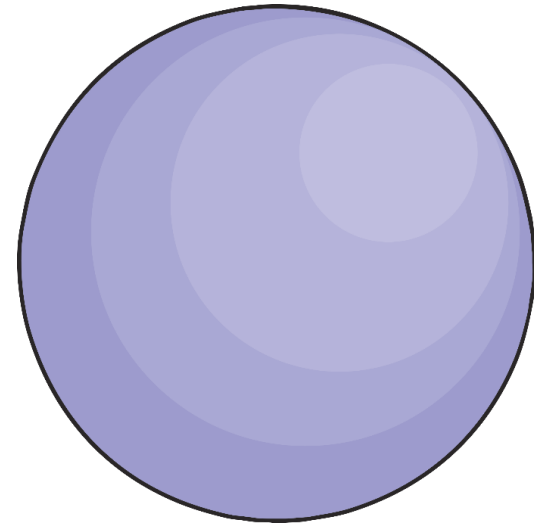
1 curved face

How many edges?

0 edges

How many corners/vertices?

0 corners/vertices



Square-Based Pyramid

How many faces?

5 faces in total

4 triangular faces that make the sharp point

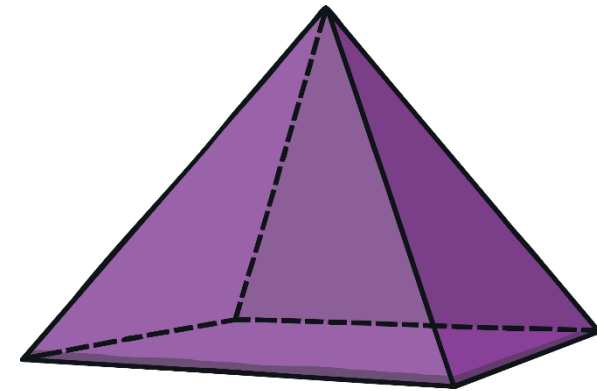
1 square face as the base

How many edges?

8 straight edges

How many corners/vertices?

5 corners/vertices



Cylinder

How many faces?

3 faces in total

2 flat circular faces

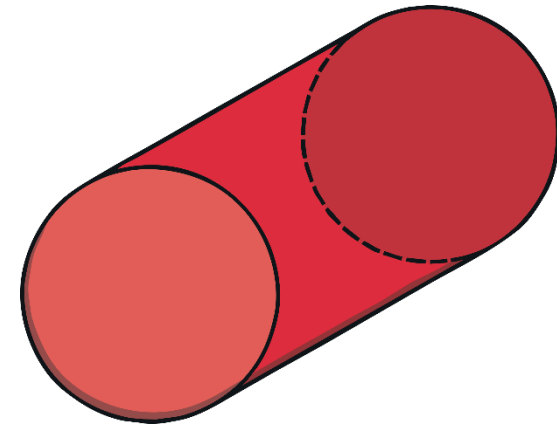
1 curved surface

How many edges?

2 curved edges

How many corners/vertices?

0 corners/vertices


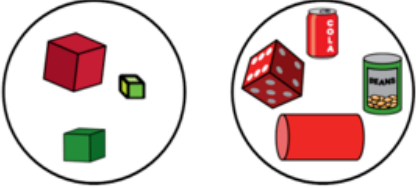


Self assessment






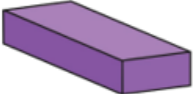
Do you understand how to describe
3D shapes?



Your task

<p>1. Use the star words to name the shapes. The names are not written in order.</p> <p>Cube Cylinder Cuboid Sphere Pyramid Cone</p>	<p>2. Hassan says a cube and a cuboid has same shape faces.</p>  <p>Do you agree?</p> <p><u>Sentence starter:</u> Yes, I agree because... No, I disagree because...</p>	<p>3. The shapes have been sorted into groups.</p> <p>Are they sorted correctly.</p>  <p>How else can the shapes be sorted?</p>
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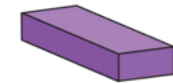
1.

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

Today I worked in a small group to recognise, name and label 3D shapes. With support I described the 3D shapes using the key vocabulary 'faces, vertices (corners) and edges'.

cube cone pyramid sphere cylinder cuboid





Self assessment

Do you understand the tasks?



Friday 12th December 2025

L.Q. Can I recall addition and subtraction facts?

<https://www.topmarks.co.uk/number-facts/number-fact-families>

Number Fact Families

+ and -
× and ÷

Find the number fact families

8	×	7	=	56
7	×	8	=	56
56	÷	8	=	8
56	÷	7	=	8

Addition & Subtraction

$1 + 2 = 3$	$3 = 1 + 2$
Up to 10	Up to 10
Up to 20	Up to 20
Up to 50	Up to 50
Up to 100	Up to 100
Negative to -10	Negative to -10
Negative to -50	Negative to -50

Instructions



LQ: Can I name shapes to make patterns?

Steps to success

I can name the 2D and 3D shapes.

I can create a repeating pattern using the shapes.

I can identify the missing shapes within the pattern.

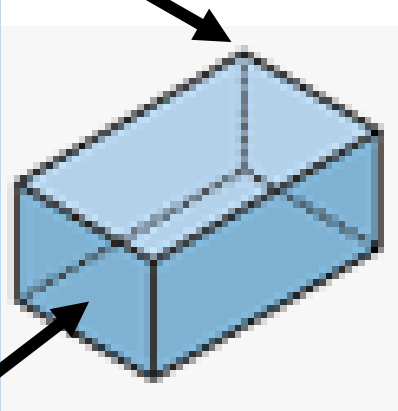


Star words



3D shapes










vertices



faces

edges

3D Shapes

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<https://www.youtube.com/watch?v=ZnZYK83utu0>

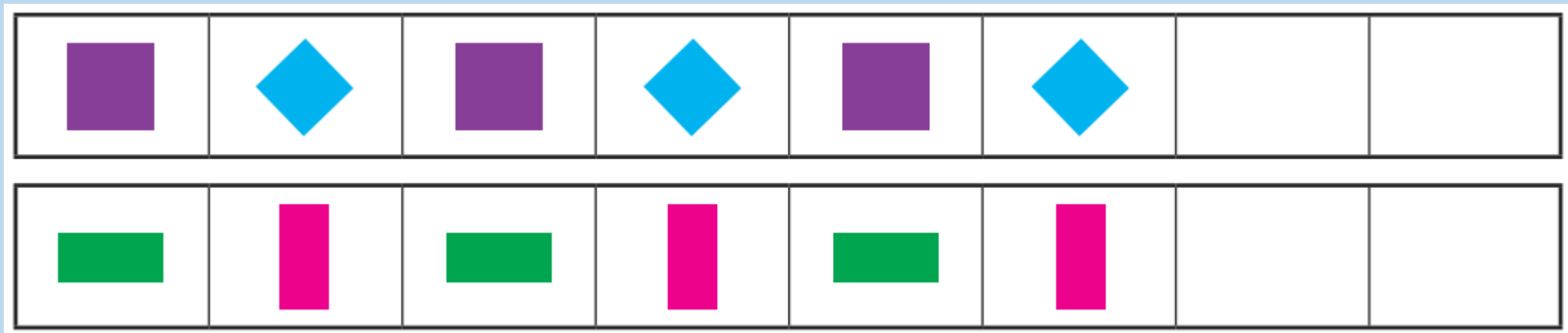


Prior learning

TPs: What are these patterns called?



These are repeating patterns. Repeating pattern is a sequence that is repeated more than one time (over and over again). The patterns can be created in sequence of colours, shapes and size.




Today we are going to explore continuing and creating repeating patterns with shapes.




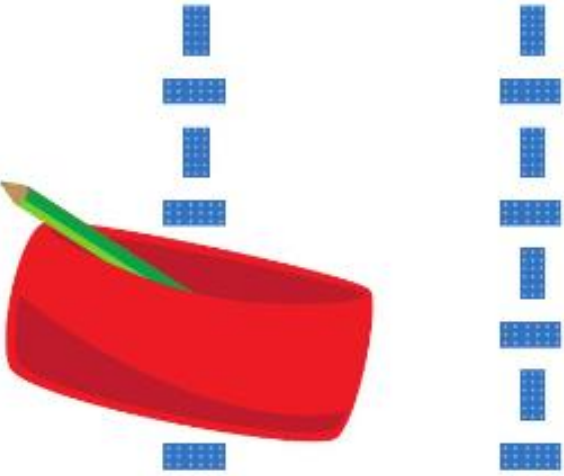
TPs: What shape is behind the mug?

How many rectangles are on the invite?

a) 

small **BIG** small **BIG** small **BIG** small **BIG**

There is 1 small circle under the  .

b) 

I can see 5 rectangles.

There are 3 covered.

$5 + 3 = 8$

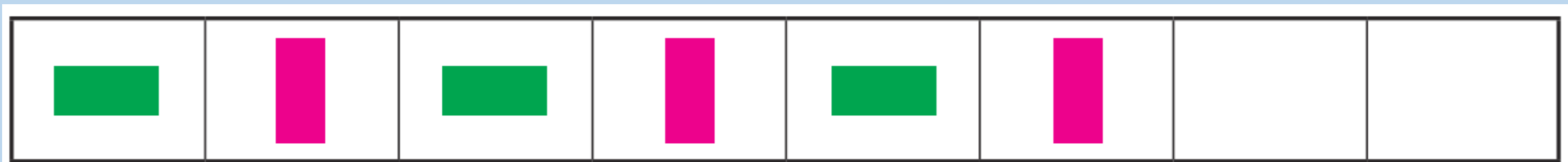
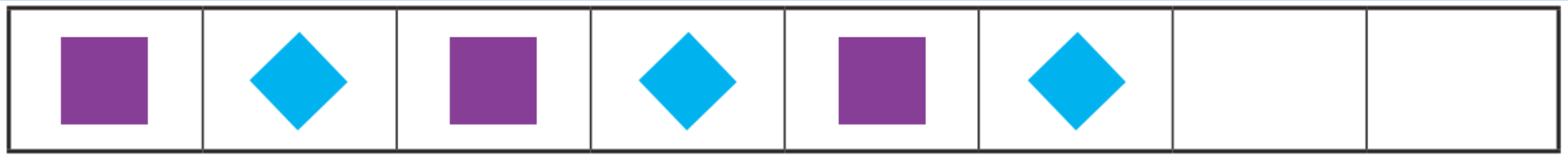
There are 8 rectangles on the invite.

TPs: How did you know which shape was under the mug?

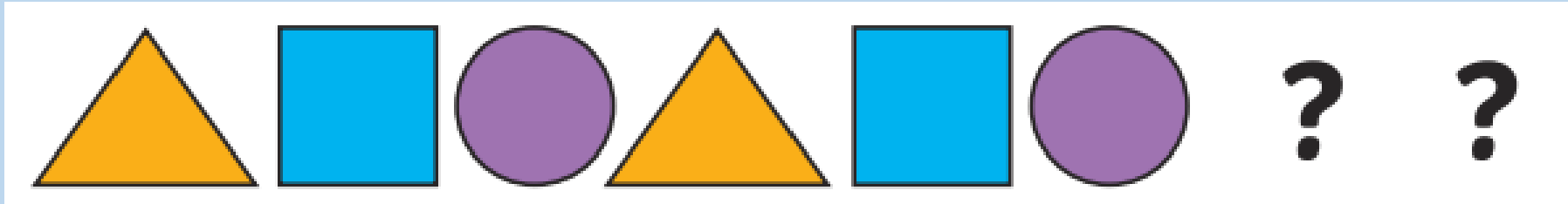
What is this pattern called?

Continue the pattern.

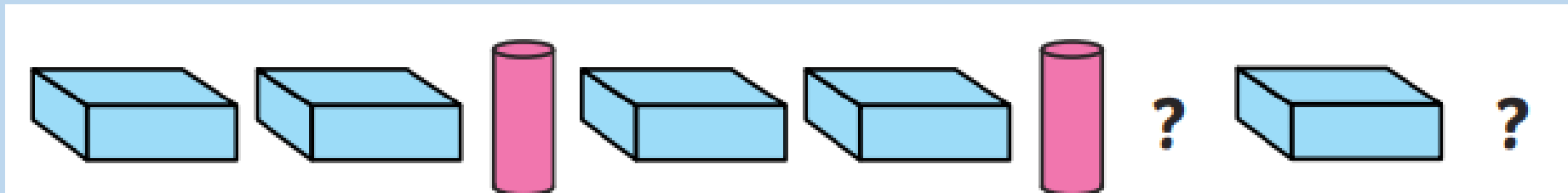
TPs: What shape is used?



TPs: What will the next two shapes be in the pattern?



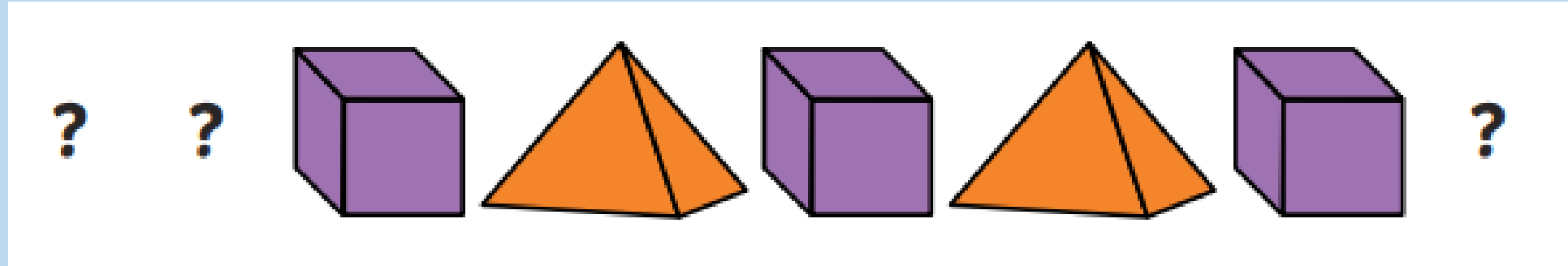
There is a repeating pattern with 3D shapes.



TPs: What are the names of the shapes missing in the pattern?

Names the shapes in the pattern.

TPs: What are the names of the missing shapes in the pattern?



Names the shapes in the pattern. Work backwards and forwards.

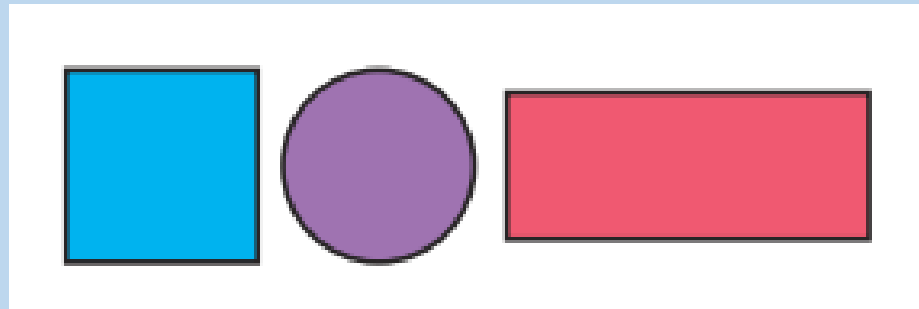
Self assessment

*Do you understand how to
make a repeating pattern using
shapes?*



Your task

Use the shapes to create repeating patterns.
Describe the pattern using the shape names.



NOTE: Children can explore making their own repeating pattern using shapes, tracing around shapes or printing with 3D shapes.

Self assessment

Do you understand the tasks?

