

Welcome to Spring 1!

This term we will be focusing home learning on ‘Shape in Maths’ This will help consolidate the learning taking place in school.

All pupils must complete the tasks by Friday 9th February 2023.

All pupils are expected to do the following weekly set task alongside:

- ✓ **Daily reading—The expectation is that your child will read daily for a minimum of 20 minutes at home – using their library book and phonics book. Please record this on the reading log app**
- ✓ **Weekly maths – Numbots, TTRS, My maths, maths games and activities on OneNote**
- ✓ **Weekly Spellings- See below**

Education must develop every child’s personality, talents and abilities to the full. We can’t wait to see what you do and look forward to seeing your wonderful home learning.

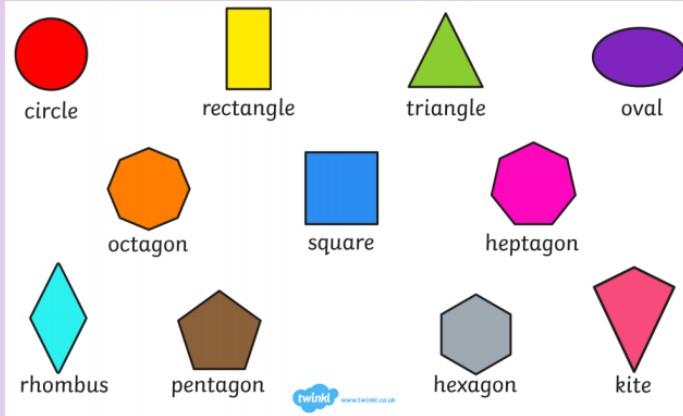
Yours Sincerely,

Year 2 Team

Focus: Maths

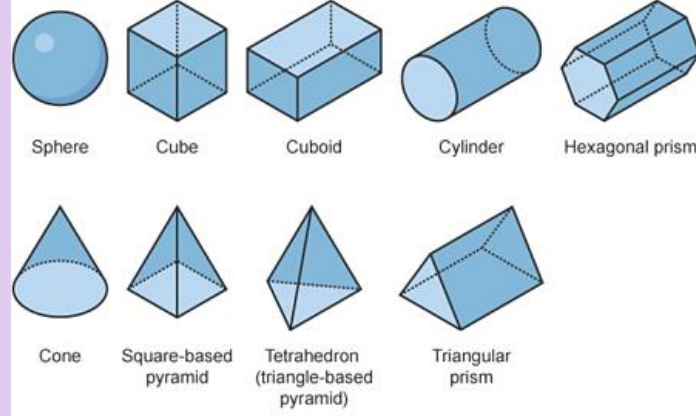
Some facts about Shapes

2D shapes



2D shapes are flat figures that have only length and width. You can count their sides and vertices.

3D shapes



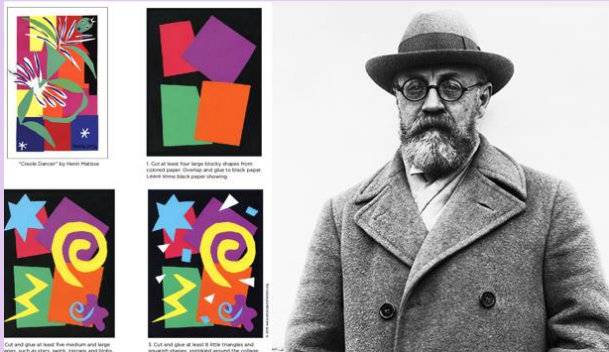
3D, or three-dimensional shapes, are solid shapes which you can hold! You can count their faces, edges and vertices.

Shape art



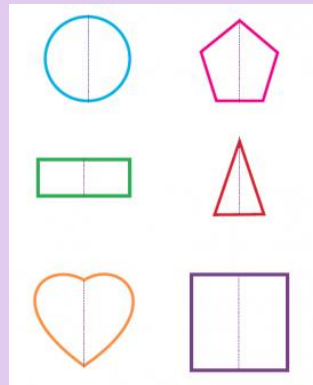
Shape art is creating unique pieces of artwork that represent real life objects, using 2D shapes.

Henri Matisse



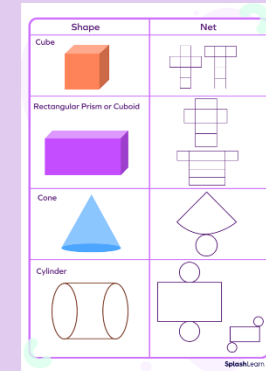
Henri Matisse was a 20th Century abstract artist who made artwork out of simple brightly coloured 2D shapes.

Symmetry



Something is symmetrical when it is the same on both sides.

Nets



The net of a 3D shape is what it looks like if it is opened out flat. A net can be folded up to make a 3D shape.

Belmont School Home Learning Spring 1 2024

More information:

- Songs are a great way to learn our shapes take a look: [3D Shapes](#) or [2D Shapes](#). Here's one on [Symmetry](#) too
- How many of these can you remember? [Learn Shapes With Up to 20 Sides](#)
- [sketchometry](#) is a great online shape making resource to play with sides and vertices
- [2D and 3D shapes - KS1 Maths - BBC Bitesize](#) has great online for some excellent shape facts
- Make nets and view 3D Shapes [Geometric Solids \(nctm.org\)](#)
- Why not try some fun shape games? [Shape Games \(topmarks.co.uk\)](#)
- Enjoying the shape art? Here are some more great art resources to explore...

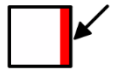
[Colour Farm Art](#)

[Shape Garland](#)

[Geometric Robots](#)

[Shape Line Study](#)

Key Vocabulary



sides

Sides are the individual lines that make up 2D shapes.



triangle

A triangle is a 2D shape with 3 sides and 3 vertices.



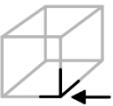
faces

A face is a flat or curved surface on a 3D shape.



quadrilateral

A quadrilateral is a 2D shape with 4 sides and 4 vertices.



vertices

A vertex is the point where 2 or more edges meet. More than 1 vertex is vertices.



pentagon

A pentagon is a 2D shape with 5 sides and 5 vertices.



circle

A circle is a 2D shape with 1 curved side and 0 vertices.



hexagon

A hexagon is a 2D shape with 6 sides and 6 vertices.

Home Learning Tasks

Week 1: Shape Hunt

[\(2\) Shapes Around Us](#) | [Spot Different Shapes Around Us](#)
| [Learn shapes and spot them](#) | [Name the Shapes - YouTube](#)

Task 1: How many 2D shapes can you find inside your house?

Task 2: How many 2D shapes can you find in Wealdstone?

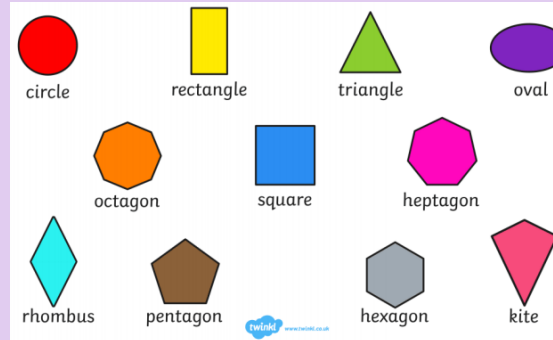


Make a simple tally of the shapes you find!

Shapes	Tally
 circles	
 rectangles	
 squares	
 triangles	

Week 2: Shape Portraits

Using these 2D shapes as many times as you like what shape art can you make?



You could make:

- A flower
- A house
- A spaceship
- An animal

Or something completely different:



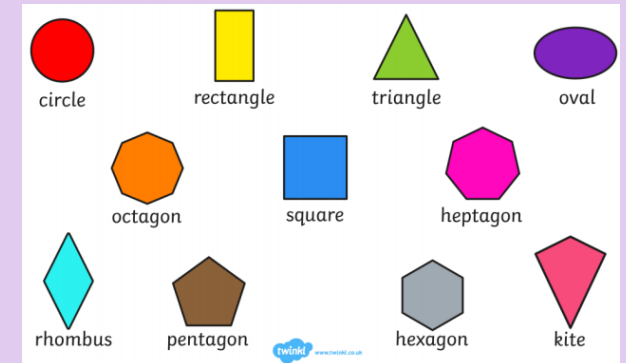
Week 3: Finding Symmetry

Today we will be finding lines of symmetry!

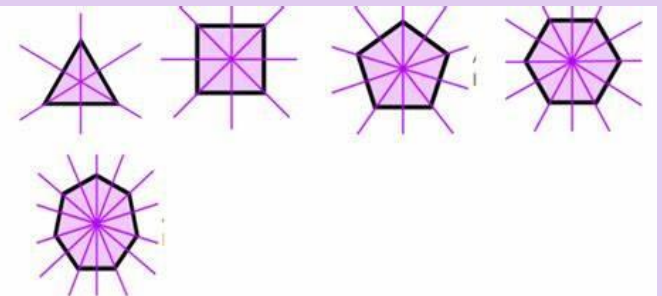
But what is Symmetry?

[\(2\) Symmetry](#) | [KS1 Maths Year 2](#) | [Home Learning - YouTube](#)

Draw and cut out any 2d shape to find its lines of symmetry! You can fold it or use a mirror.



Remember! Some have more than one...



Belmont School Home Learning Spring 1 2024

Week 4: Investigation into symmetry

Explore these 2D shapes.

Shape	Number of sides	Number of vertices	Lines of symmetry
Triangle 	3	3	
Square 			
Rectangle 			
Pentagon 			
Hexagon 			
Heptagon 			

What do you notice about the number of sides a shape has and how many lines of symmetry it has?

Week 5: Rotating shapes

Let's think about the position and direction of 2D shapes!

What would the shapes look like if we turned them?

Start position	One-quarter turn clockwise	Half turn clockwise	Three-quarter turn clockwise	Full turn clockwise
				
				
				
				
				

Belmont School Home Learning Spring 1 2024

Phonics: Can you read all of these words?

Week 1	Week 2	Week 3	Week 4	Week 5
perch skirt drew royal loud newspaper	first crew person nephew destroy loudest	thirty renew desert screw proud flew	launch saw you shoulder learn could	earn boulder August soup would paw

Spellings: Every week you will have a spelling test. Please learn the spellings below.

	Week 1	Week 2	Week 3	Week 4	Week 5
Group 1	head bread meant instead read (past tense)	her term verb person better under	summer winter sister girl bird shirt	first third turn hurt church burst	Thursday food pool moon zoo soon
Group 2	teary dreary career here interfere year	hairbrush pears somewhere nowhere wears farewell	against palace worse scientist castle scent	joined juggled gigantic gymnast huge village	quite quiet bury berry son sun
Group 3	quadrilateral triangle octagon cube hexagon pentagon	polygon prism vertices rhombus angles horizontal	young double trouble country touch rough	heal he'll reign rain plane groan	gently luckily dramatically frantically thankfully happily