

SHAPE

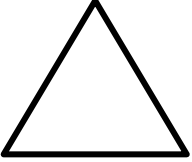
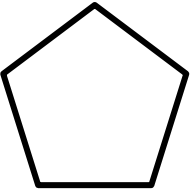

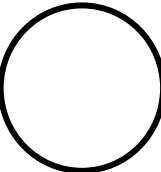
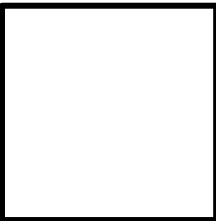


This week we will be focusing our attention on Shape. All of your maths activities will be based around this topic.

We hope you enjoy them!

Monday 29TH June – Shapes and their properties

Identify the name of each shape and record their properties. Remember to record how many edges, vertices, lines of symmetry, etc.

Now go on a shape hunt around your home. See how many of the 2D shapes from the grid you can find. Draw a tally chart to record how many of each that you find.

Now answer these questions:

1. Which shape did you find the most of?
2. Which shape did you find the least of?
3. Which room did you find the most 2D shapes in?

Tuesday 30TH June – Lines of symmetry

Find as many lines of symmetry as you can for each shape.

Remember to use a ruler if you have one.

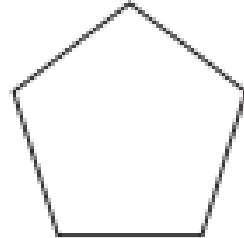
Draw as many lines of symmetry as you can.

1.



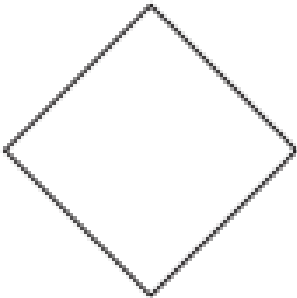
How many lines of symmetry?

2.



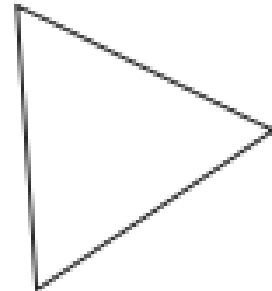
How many lines of symmetry?

3.



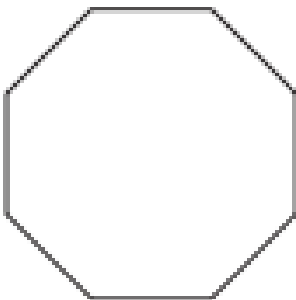
How many lines of symmetry?

4.



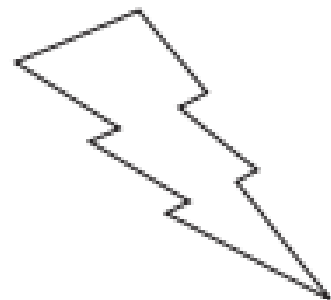
How many lines of symmetry?

5.



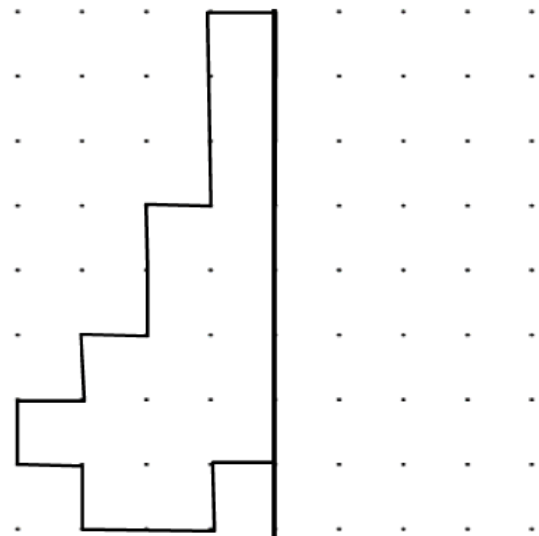
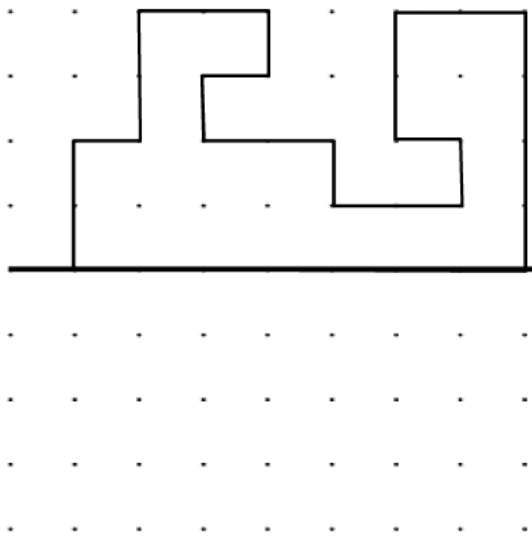
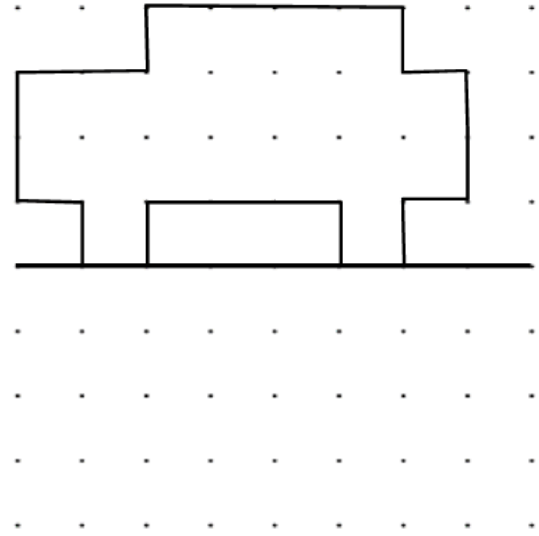
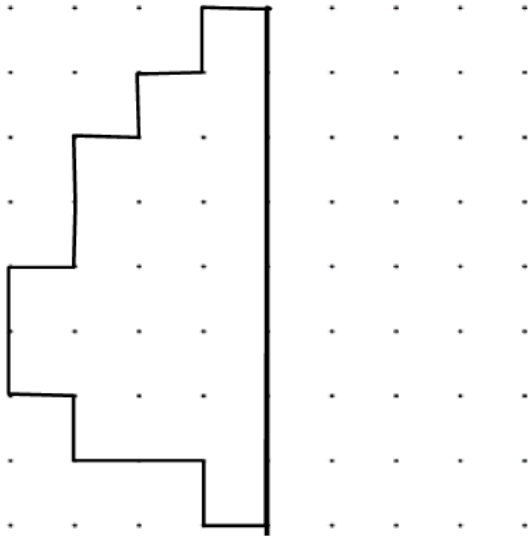
How many lines of symmetry?

6.



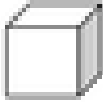

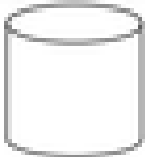
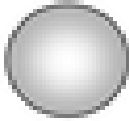



How many lines of symmetry?

Now have a go at completing each of the shapes below so that they are symmetrical (the same on each side). You could use a mirror to help you.



Wednesday 1st July – Identifying 3D shapes

Complete the table below.

3D SHAPE	NAME	FACES	EDGES	VERTICES
				
				
				
				
				
				
				

Now have a go at making and drawing some 3D shapes. You could use playdough, paper and cardboard, or anything else you can think of to create your 3D shapes.

Go on a 3D shape hunt around your house. What items did you find and what shape were they?

Thursday 2Nd July - Angles

Identify the angles below as acute, obtuse or right angles. Complete the statements first and then use the key to identify angles that are acute, obtuse and right angles.

- Acute angles are _____

- Obtuse angles are

Now choose 3 colours, complete the key and then colour the angles as appropriate.

Key



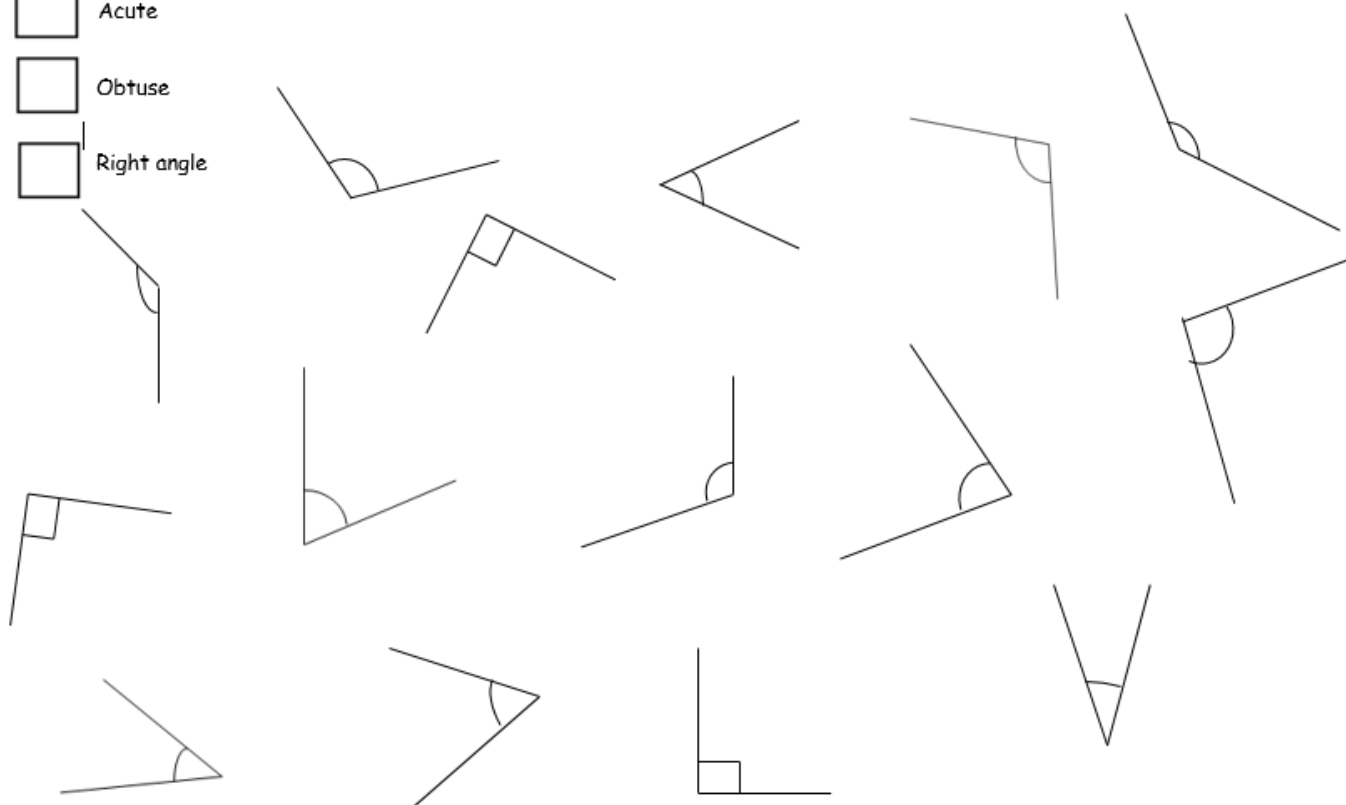
Acute



Obtuse



Right angle



Now **estimate** the sizes of each angle using your knowledge of angles.

Now order these angles from smallest to largest:

1. a)



b)



c)



d)



e)

		e		
--	--	---	--	--

2. a)



b)



c)



d)



e)

e				
---	--	--	--	--

3. a)



b)



c)



d)



e)

				e
--	--	--	--	---

Friday 3RD July – Compare and classify geometric shapes

Label each triangle with the correct name.

Remember:

Equilateral triangles – all sides are equal.

Right angle triangles – have a right angle. Can also be scalene or isosceles.

Isosceles triangles – have two equal sides.

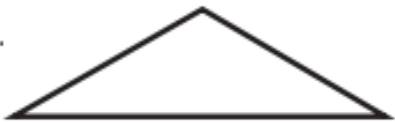
Scalene triangles – all sides are different.

Write the type of triangle.

1.



2.



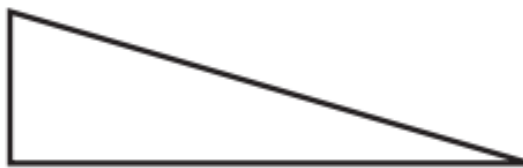
3.



4.



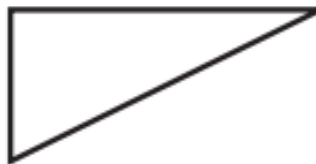
5.



6.



7.



8.



Now complete the tables below to show you know the properties of different quadrilaterals. Put ticks where appropriate.

Quadrilateral	No parallel sides	1 pair of parallel sides	2 pairs of parallel sides
Square			
Rectangle			
Parallelogram			
Rhombus			
Trapezium			
Kite			

Quadrilateral	No equal sides	1 pair of equal sides	2 pairs of equal sides	4 equal sides
Square				
Rectangle				
Parallelogram				
Rhombus				
Trapezium				
Kite				

Quadrilateral	No perpendicular sides	1 pair of perpendicular sides	2 pairs of perpendicular sides	4 pairs of perpendicular sides
Square				
Rectangle				
Parallelogram				
Rhombus				
Trapezium				
Kite				

Quadrilateral	No equal angles	1 pair of equal angles	2 pairs of equal angles	4 equal angles
Square				
Rectangle				
Parallelogram				
Rhombus				
Trapezium				
Kite				

Well done for all of your hard work this week. Remember to upload pictures of your work to FROG to show your teacher! Have a lovely weekend and keep an eye out for next week's activities!