

SHAPE

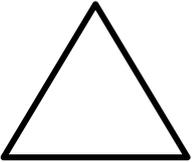
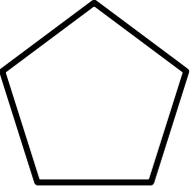
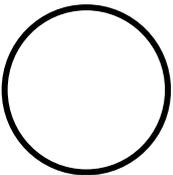
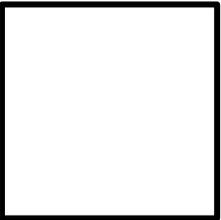


This week we will be focusing our attention on Shape. All of your maths activities will be based around this topic.

We hope you enjoy them!

Monday 29TH June – Shapes and their properties

Identify the name of each shape and match them to their properties. You can cut out and stick them if you wish to (if you have access to a printer), you could colour code them in different colours, or you could draw lines to them. Maybe you could have a go at drawing the shapes and then write their names and properties next to them.

		<p>I have no vertices.</p> <p>I have 1 side.</p> <p>I have at least 1 line of symmetry.</p>
		<p>I have 4 vertices</p> <p>2 of my sides are longer than the other 2.</p> <p>I have at least 1 line of symmetry.</p> <p>I have 4 right angles.</p>
		<p>I have 3 sides.</p> <p>I have 3 vertices.</p> <p>All of my sides are the same length.</p> <p>I have at least 1 line of symmetry.</p>
		<p>I have 4 vertices</p> <p>I have 4 sides.</p> <p>I have 4 right angles.</p> <p>I have at least 1 line of symmetry.</p>
		<p>I have 5 vertices.</p> <p>I have 5 sides which are all the same length.</p> <p>I have at least 1 line of symmetry.</p>

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 – A 2D shape is **symmetrical** if a **line** can be drawn through it so that either side of the **line** looks exactly the same. The **line** is called a **line of symmetry**. A rectangle has **2 lines of symmetry**.

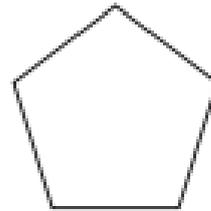
Remember to use a ruler if you have one.

1.



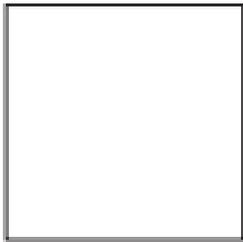
How many lines of symmetry?

2.



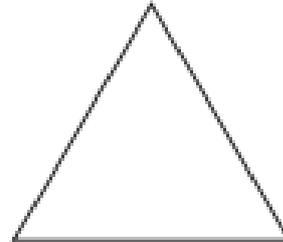
How many lines of symmetry?

3.



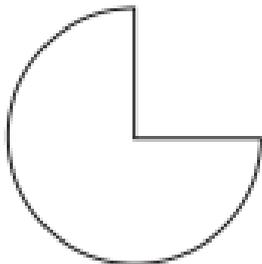
How many lines of symmetry?

4.



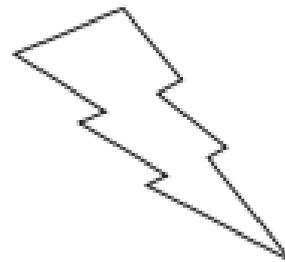
How many lines of symmetry?

5.



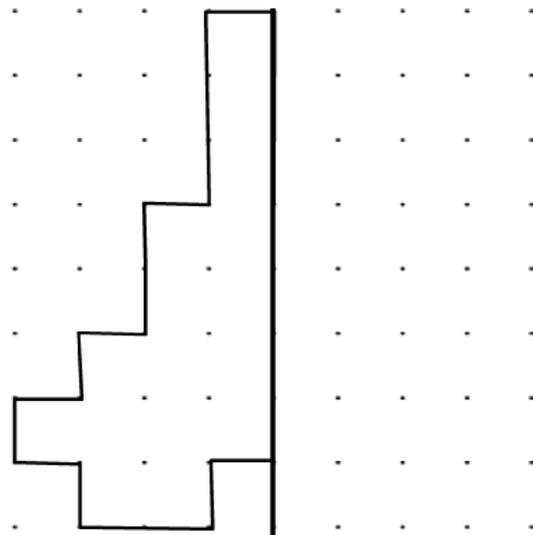
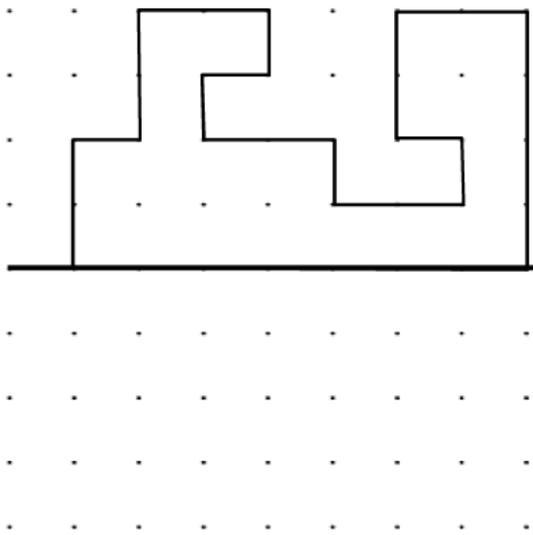
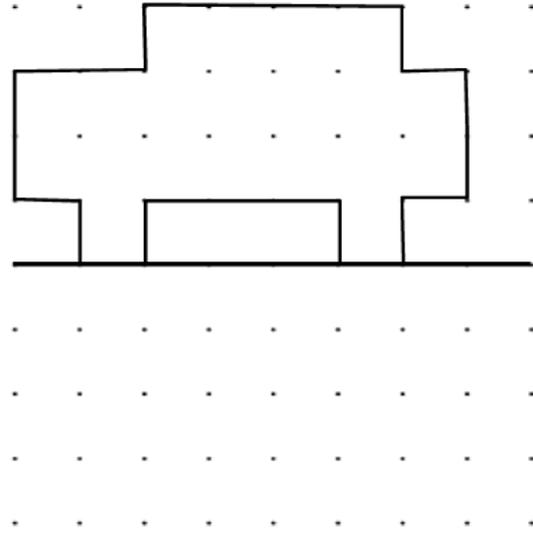
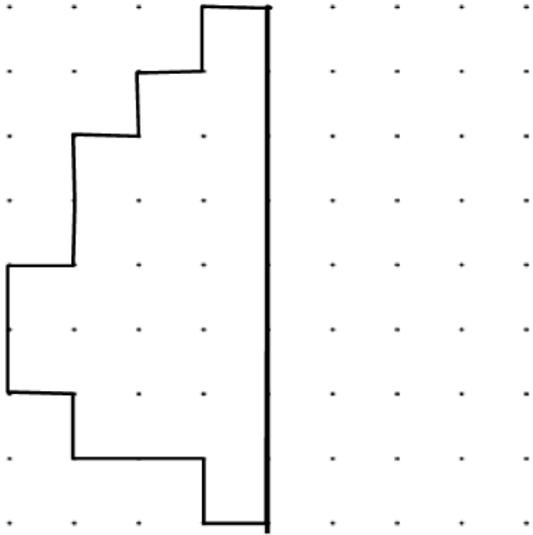
How many lines of symmetry?

6.



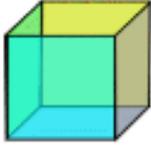
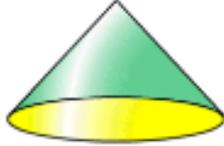
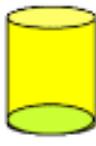
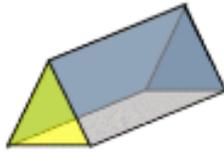
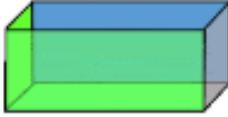
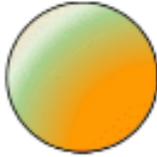
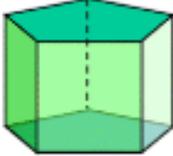
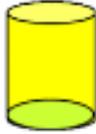
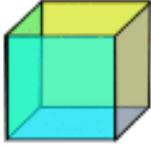
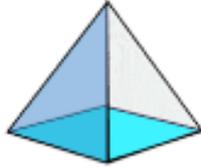
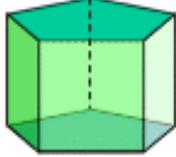
How many lines of symmetry?

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

Circle the correct shape in each row from the properties listed on the left.

Faces: 6 Edges: 12 Vertices: 8			
Faces: 5 Edges: 9 Vertices: 6			
Faces: 5 Edges: 8 Vertices: 5			
Faces: 4 Edges: 6 Vertices: 4			
Faces: 7 Edges: 15 Vertices: 10			

Which 3d shapes can you spot from the list below?



cylinder	square pyramid	triangular pyramid	cuboid
cube	sphere	triangular prism	cone

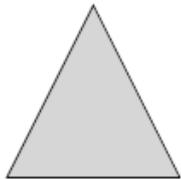
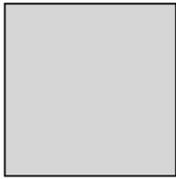
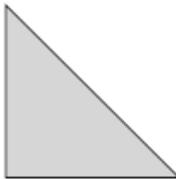
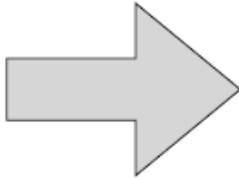
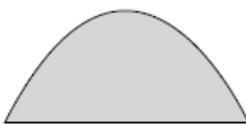
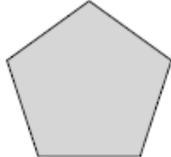


Now have a go at making some 3D shapes. You could use playdough, paper and cardboard, or anything else you can think of to create your 3D shapes.

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

Thursday 2Nd July – Recognising right angles

Count how many right angles you can find inside each shape.

1) 	2) 	3) 
4) 	5) 	6) 

Now go on a shape/right angle hunt around your home and fill in the table below.

Name of object	Does it have any right angles? Yes / No	How many right angles does it have?	Draw the object and use a colour pencil to highlight the right angles.

What is a right angle? Make sure you use mathematical language!

Friday 3RD July - Angles

Now you have completed some work on right angles, you will be able to identify whether other angles are greater than or less than a right angle. Complete the statements first by selecting the correct option and then use the key to identify angles that are acute, obtuse and right angles.

- Acute angles are less than/more than 90° .
- Obtuse angles are less than/more than 90° , but less than/more than 180° .

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

Key



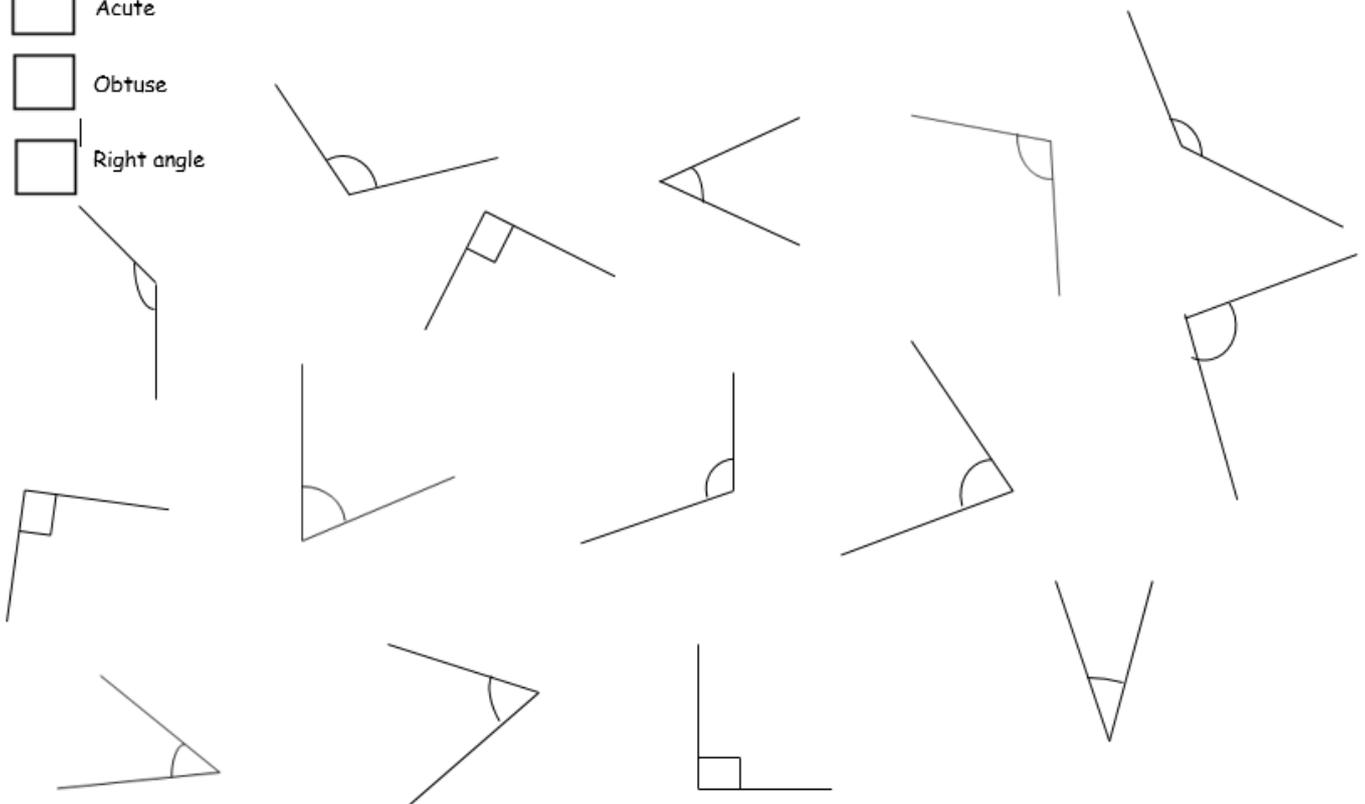
Acute



Obtuse



Right angle



Now write an O or an A next to each of these angle sizes to show if it is Obtuse or Acute:

48°

119°

72°

92°

53°

175°

167°

123°

12°

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!