

# SHAPE

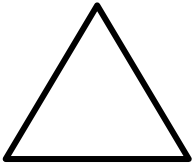
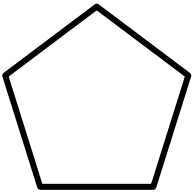

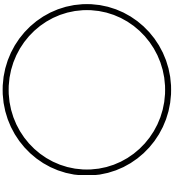


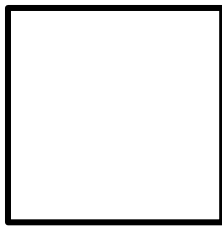
This week we will be focusing our attention on Shape. All of your maths activities will be based around this topic.

We hope you enjoy them!

## **Monday 29<sup>TH</sup> June – Shapes and their properties**

Match each shape to the correct name and 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.

	SQUARE	I have no vertices. I have 1 side. I have at least 1 line of symmetry.
	CIRCLE	I have 4 vertices 2 of my sides are longer than the other 2. I have at least 1 line of symmetry. I have 4 right angles.
	EQUILATERAL TRIANGLE	I have 3 sides. I have 3 vertices. All of my sides are the same length. I have at least 1 line of symmetry.
	RECTANGLE	I have 4 vertices I have 4 sides. I have 4 right angles. I have at least 1 line of symmetry.

	PENTAGON	I have 5 vertices. I have 5 sides which are all the same length. I have at least 1 line of symmetry.
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Now go on a shape hunt around your home. See how many of the 2D shapes from the grid you can find. Use this tally chart to record how many of each that you find.

Shape	Tally	Total
Square		
Circle		
Equilateral Triangle		
Rectangle		
Pentagon		

**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?

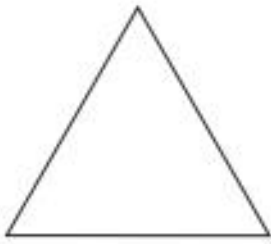
## **Tuesday 30<sup>TH</sup> June – Lines of symmetry**

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?

\_\_\_\_\_

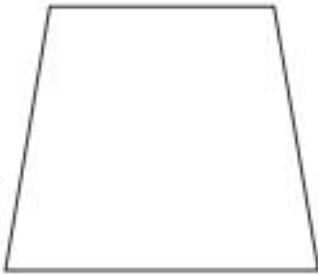
2.



How many lines of symmetry?

\_\_\_\_\_

3.



How many lines of symmetry?

\_\_\_\_\_

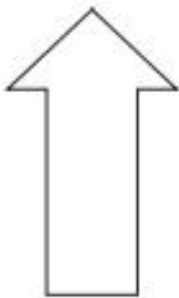
4.



How many lines of symmetry?

\_\_\_\_\_

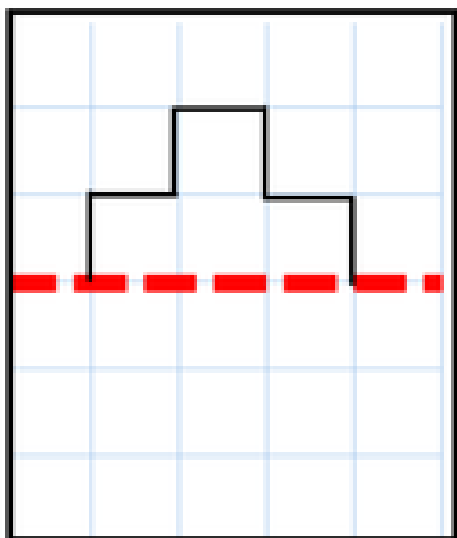
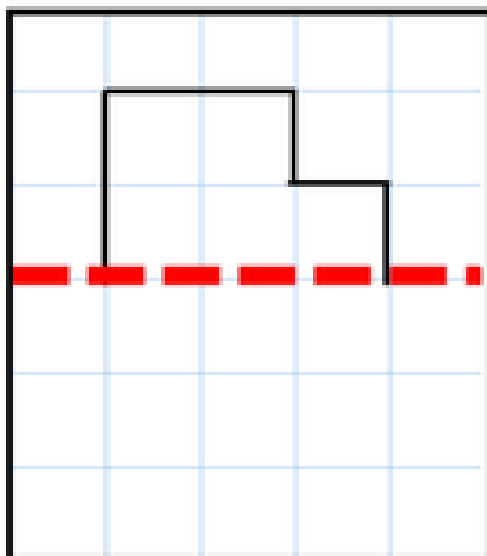
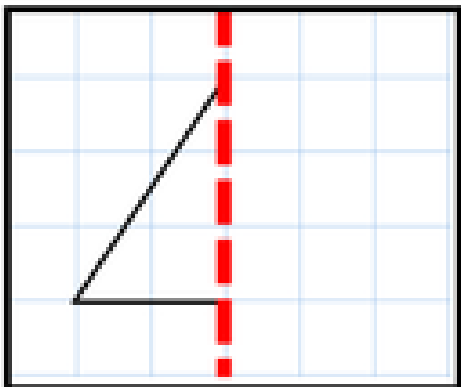
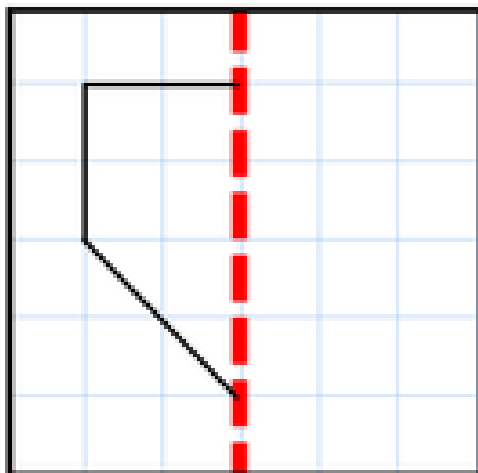
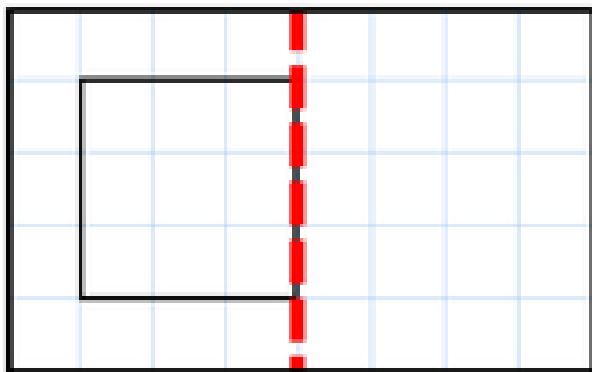
5.



How many lines of symmetry?

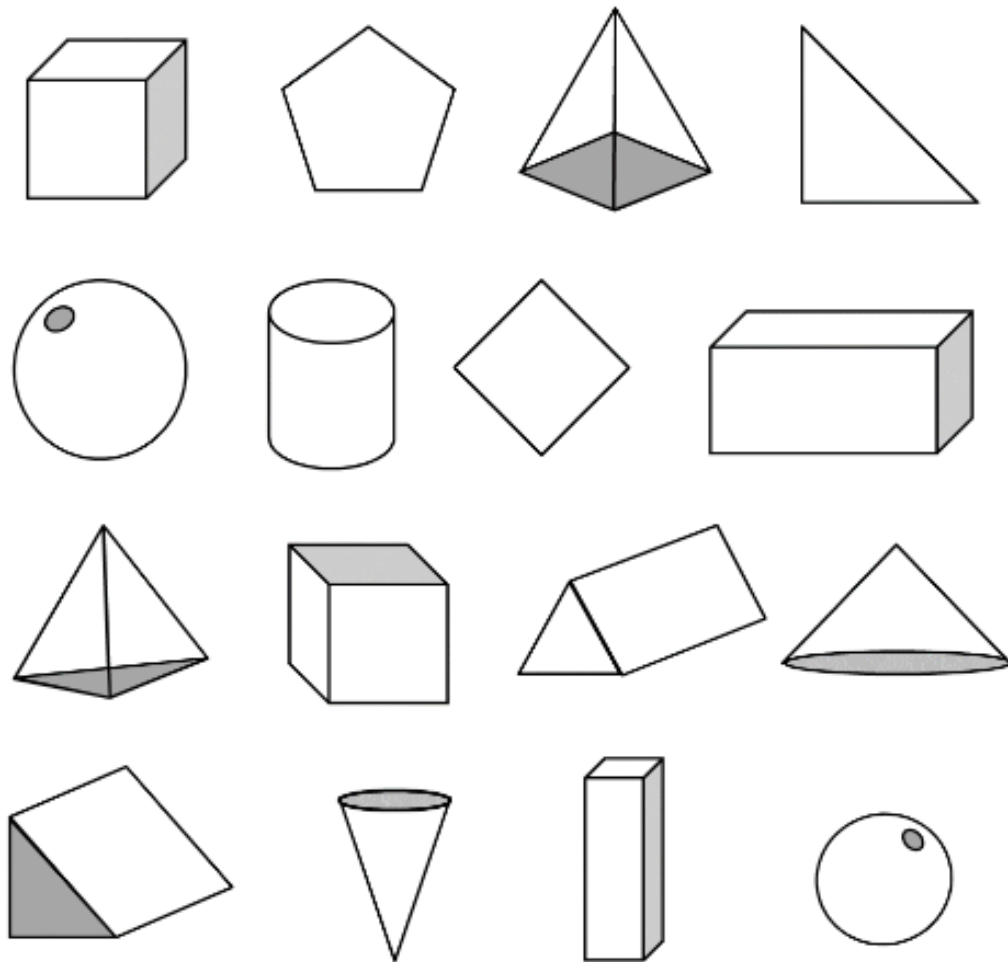
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Now have a go at completing each of the shapes below so that they are symmetrical (the same on each side). You could use a mirror to help you.



**Wednesday 1<sup>st</sup> July – Identifying 3D shapes**

Shade in the 3D shapes as follows: cubes – blue, cones – green, spheres – yellow.

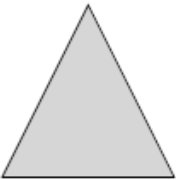
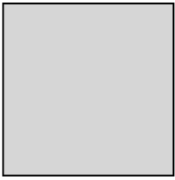
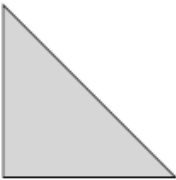
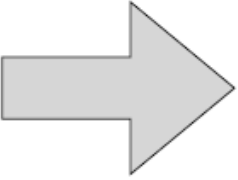

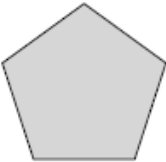
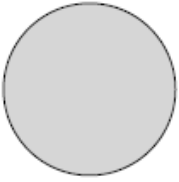



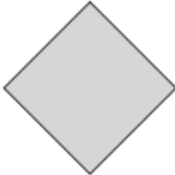
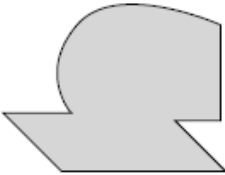


Now have a go at making some 3D shapes. You could use playdough, paper and cardboard, or anything else you can think of to create your 3D shapes.

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

**Thursday 2<sup>Nd</sup> July – Recognising right angles**

Count how many right angles you can find inside each shape. Remember – not all shapes have right angles. Right angles are square corners, the same as a 90 degree a quarter turn. You can use the corner of a piece of paper or box to test if each shape has any right angles. They may also appear in different orientations.

1) 	2) 	3) 
4) 	5) 	6) 
7) 	8) 	9) 
10) 	11) 	12) 

Can you find any right angles INSIDE these shapes?

If a shape has a right angle inside it, tick it.

If it doesn't, put a cross.



Now find 9 examples of right angles in your home and record them in the grid on the next page.




## Friday 3<sup>RD</sup> 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. Use the key to identify angles that are acute, obtuse and right angles.

### Key



Acute/less than



Obtuse/more than

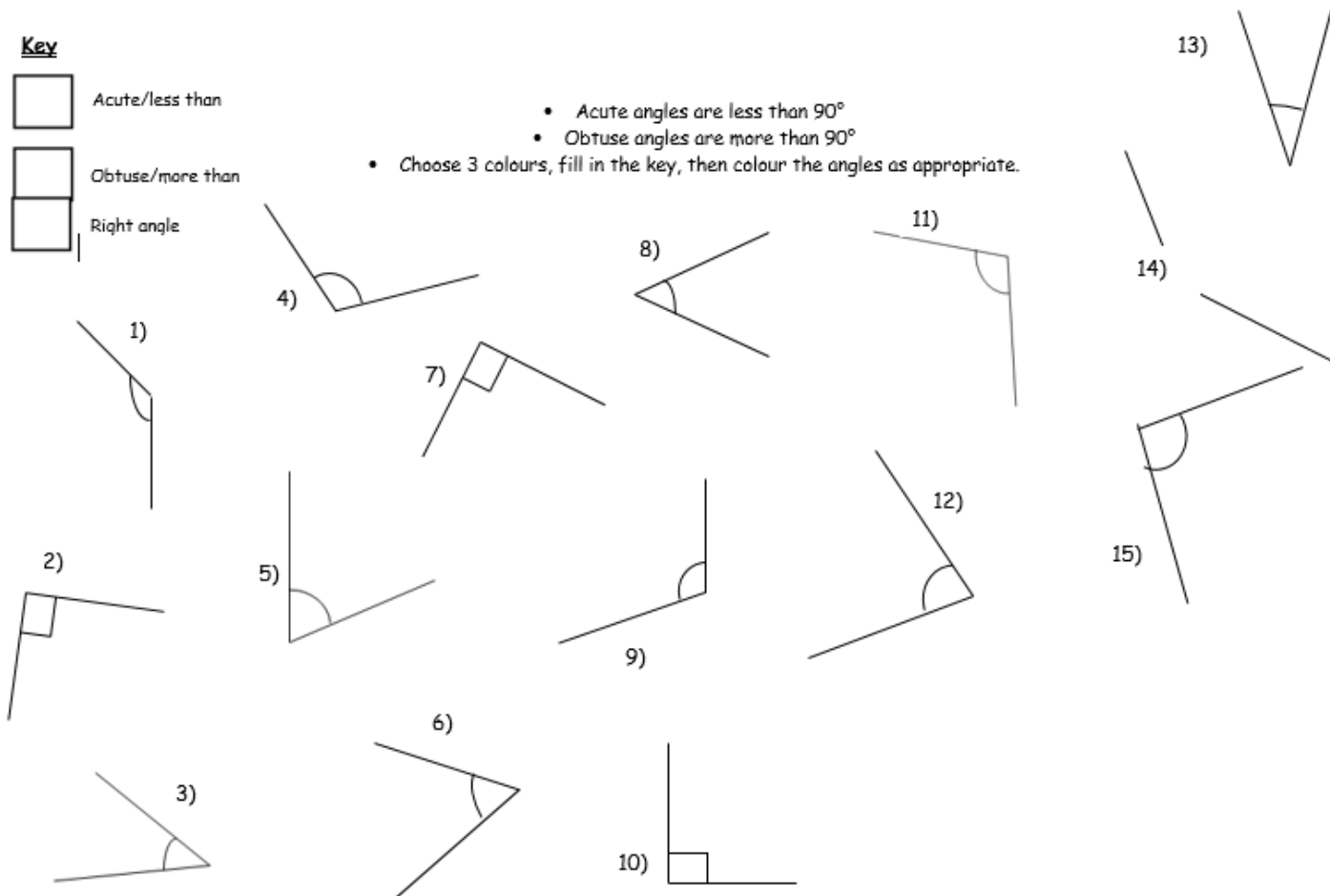


Right angle

- Acute angles are less than  $90^\circ$

- Obtuse angles are more than  $90^\circ$

- Choose 3 colours, fill in the key, then colour the angles as appropriate.



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!