2D shapes and Angles	**This week we are looking at a range of topics involving the history of maths and shape, position, movement.**
You will have until Wednesday 24th June to complete some of this learning as we have the Marches holiday on Tuesday 16th June…. and there is a new **Sumdog Competition**!! The competition starts on **Friday 19th June** and will finish on **Thursday 25th June** so you could get a headstart over the weekend. Remember each class needs 10 players in the competition before your score counts so let's see if we can get started on Friday…. come on everyone!	
LI: Identify right angles, acute angles and obtuse angles	Play the 2D shape matching game to revise your knowledge of names of 2D shapes. Go to https://www.twinkl.co.uk/go and use the code AD6238 Watch this video about types of angles https://www.bbc.co.uk/bitesize/topics/zb6tyrd/articles/zg68k7h and complete the activities on the website. Choose from the following activities: Complete '**Angles in a 2D shape p38'** in your jotter. Have a think – are the other angles in the shape obtuse or acute? Why? What is the greatest number of right angles you can get in a shape? Explain why to someone in your house. Complete **'Angles in shapes and turns p37'** in your jotter. Can you draw a shape with 5 right angles? Can you draw a shape with no right angles. Use the answer sheet p38 and 37 answers to mark your work Complete '**Comparing acute, obtuse and right angles'** This has answers at the end of the sheet to check your work

LI: Recognise and describe right angled turns LI: Calculate degree turns	Have a look at the sheet '**Finding right angles'** Use their idea of folding paper to make a right angle. Explore right angles in your house. How many can you find? Choose which sheets to complete: **Finding right angles PPM256** and/or **Right angle Turns P32** (These can both be completed in your jotter) Use the answer sheets to check your answers. Watch this video on BBC Bitesize – here it is using the words 'quarter turn' instead of a right angle turn. How do right angles and quarter turns relate to each other? https://www.bbc.co.uk/bitesize/topics/z2grd2p/articles/zwv6b82 Get outside and try to give someone directions while they are blindfolded – are you good at giving directions? Are they good at following them? You could post a photograph on the **maths channel** **Challenge:** Have a look at this website which explains the link between angles and degrees https://www.mathsisfun.com/geometry/degrees.html and watch this video https://www.youtube.com/watch?v=_n3KZR1DSEo Complete the sheet '**Right angles and degrees PPM245'** (if you don't have a printer you can do this in your jotter instead) Look at the sheet **Degree Turns** (answers at the end of the sheet). You can complete this in your jotter if you don't have a printer. You may have a compass in the house – or you could download one in an app to a phone/tablet. Use this to explore degree turns in real life. This is a critical map reading skill. Make a list and post it in the **Maths Channel**.

Outdoor learning – 2D shapes and angles LI: Explore shapes, angles and mathematical properties	Watch the video 'Properties of regular 2D shapes' video on Twinklgo https://www.twinkl.co.uk/go and use the code AD6238 Go for a walk around your house, garden or in the local neighbourhood. Have a think about the shapes and angles you see. Can you categories them depending on their properties – for example if you organise objects into natural and man-made, how many of them have right angles? How many 2D shapes can you find in natural objects? You could use the **2D shape hunt** sheet or draw your own table to present your information AND/OR (more challenging) You could use the '**Scavenger Hunt'** activity to help you structure your search for mathematical properties – but take a look at the list before you go! You may need to look some of them up! Post the results of your hunt in assignments or the **maths channel**.