


Oak Class – Week beginning May 18th 2020

Year 5

<p>Maths</p> <p>**Please also encourage your child to access Mathletics daily on top of or to help the work set**</p>	Monday	<p>This week we have maths investigations based on our previous 2D shape learning: Watch the video for a reminder about properties of different types of triangles:</p> <p>https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zggsfrd</p> <p>LO: Can I calculate the missing angles in right angled triangles? All Maths work is at the bottom of the sheets:</p>
	Tuesday	LO: Can I calculate the missing angles in scalene triangles?
	Wednesday	LO: Can I calculate the missing angles in isosceles triangles?
	Thursday	LO: Can I solve the clock face problem?
	Friday	LO: Can I solve the sticky triangles investigation?
<p>English</p> <p>**Please also encourage your child to read daily either independently or to an adult.</p>	Monday	<p>https://www.talk4writing.co.uk/wp-content/uploads/2020/04/Y5-Maria-Rhi.pdf</p> <p>Meet the Rhi-Swano-Zeb-Tak</p> <p>Is the second unit of English work to last three weeks, each day I have selected the pages to complete so that you can work through the booklet. It will be similar to our English lessons, in that we use an author's work to base our learning around.</p> <p>Pages 1-8</p>
	Tuesday	Page 9
	Wednesday	Pages 10-11
	Thursday	Pages 12-14
	Friday	Page 15-16
<p>Topic/Science</p>	Topic	<p>We are continuing with our Americas Topic.</p> <p>We are going to research individual states of America.</p> <p>This week, I'd like you to research the state of California, make a poster including things like: key facts (capital city, largest cities, state bird, state flower, state tree, significant towns and monuments and dates to remember).</p> <p>Make your poster colourful and fact filled. Keep this poster to be the second page of your States of America book.</p>
	Science	<p>We are starting a new topic in science, which is electricity, watch:</p> <p>https://www.bbc.co.uk/bitesize/topics/z2882hv/articles/zcwnv9q</p>

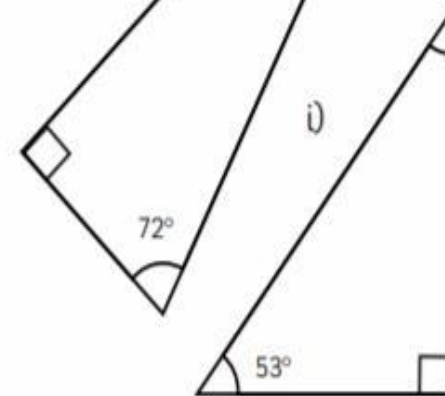
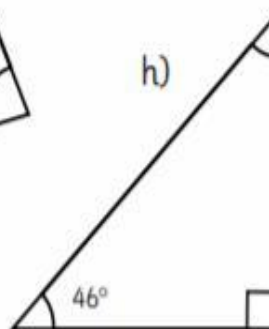
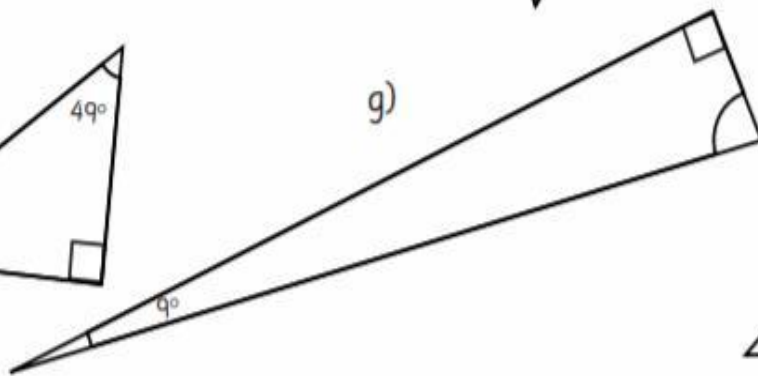
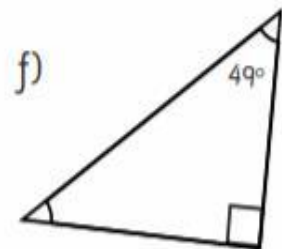
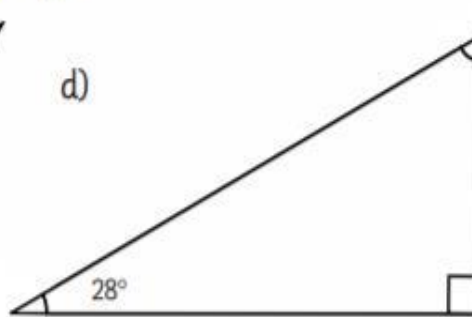
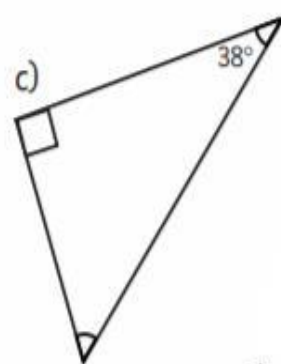
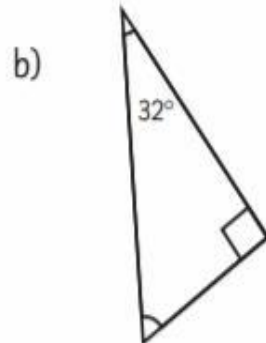
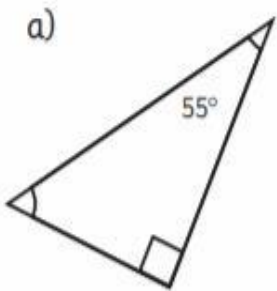
		On your poster list as many appliances that you can think of that use electricity. You could research it further, if you wish.
PE	Activity 1	Joe Wicks workout
	Activity 2	Cosmic Kids Yoga
	Activity 3	<p>Real PE at home – online learning resources</p> <p>Real PE at home includes an online programme which supports families to be active, play and learn together. It includes a programme. Here are the details to access real PE at home:</p> <p>The website address is: home.jasmineactive.com</p> <p>Parent email: parent@lyngcofepr-1.com</p> <p>Password: lyngcofepr</p>
Art/Crafts	Activity 1	As we are researching California this week, it is the home to a very famous theme park, Disney Land. Your task is to design and draw your own Disney Land ride. It might be a roller coaster or a different type of ride. You could draw the ride from different angles if you want (from above and side views).
	Activity 2	<p>California is also home to Sea World. Choose an animal you might find there and draw it.</p> 

Maths below:

Monday's work:

Remember the corner angles are right angles.

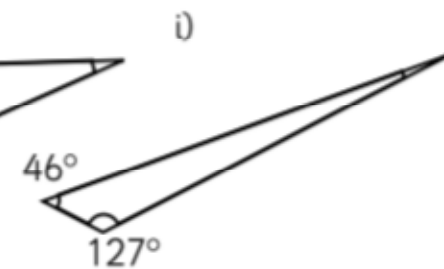
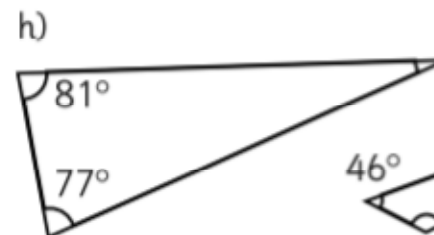
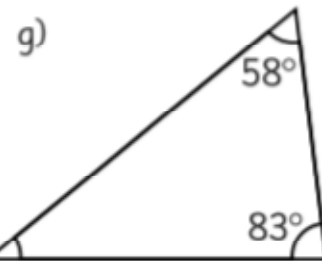
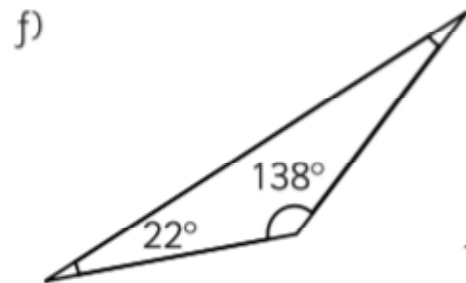
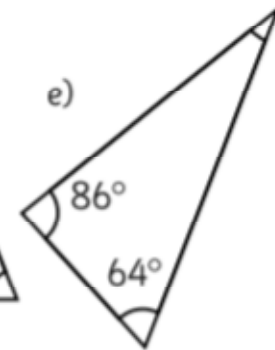
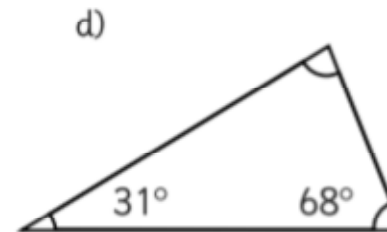
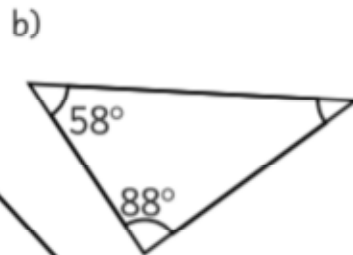
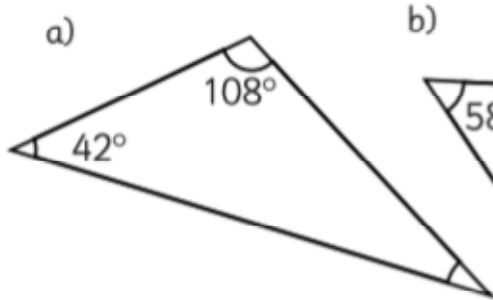
Calculate the missing angle in these right-angled triangles.



Tuesday's work:

Remember the video will remind you about the properties of scalene triangles.

Calculate the missing angle in these scalene triangles.

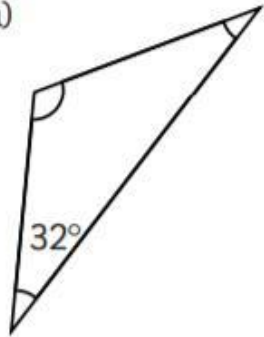


Wednesday's work:

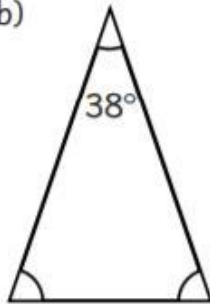
Remember the video will remind you about the properties of Isosceles triangles.

Calculate the missing angles in these Isosceles triangles.

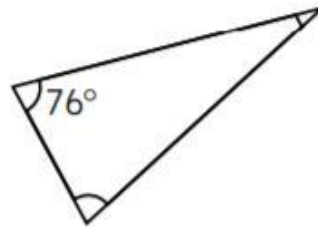
a)



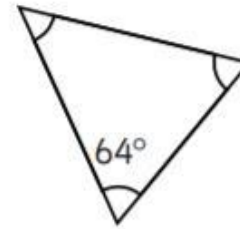
b)



c)



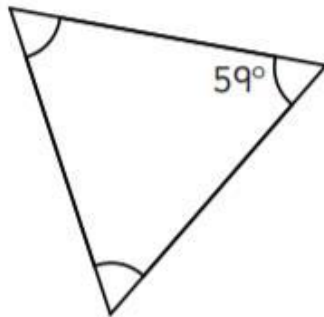
d)



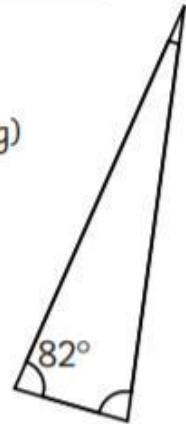
e)



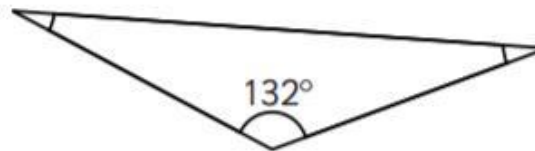
f)



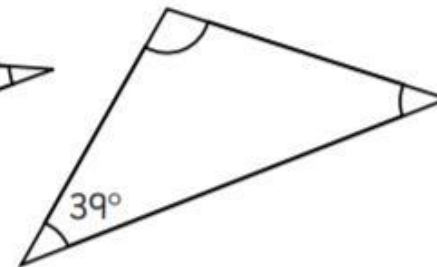
g)



h)



i)



Thursday's work:

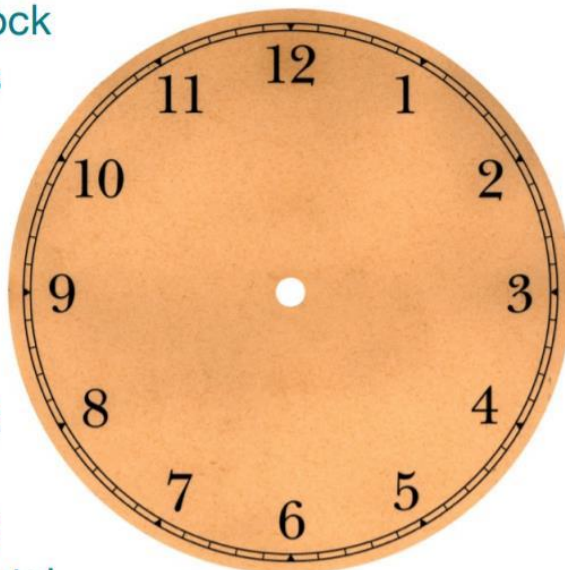
Sketch out a clock face to help you.

Clock Face



Can you draw a straight line across the centre of a clock face so that the numbers on both sides of the line have the same total?

Can you draw two lines (like the hands of the clock) to divide the clock face so that the total of the numbers on one side of the lines is twice the total on the other side?



Can you draw two lines so that the numbers on each side add up to a prime number? Can you do this in another way?

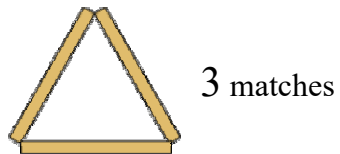
Can you find any other interesting ways to group the numbers on a clock face by drawing two lines?

Friday's work:

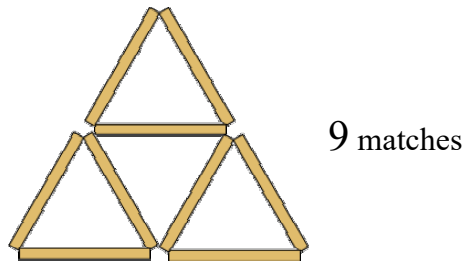
Sticky Triangles

I was exploring a puzzle in which headless match sticks had to be moved to make a different number of triangles.

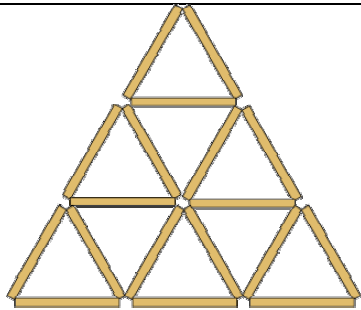
I made one small triangle



I made it into 4 small triangles by adding 6 matches.



I added another row and counted the number of small triangles and counted the matches.



I made a table of my results and continued adding rows. I found many patterns.

Have a go and see what patterns you can find. You do not have to use match sticks (or cocktail sticks) - drawing lines will do just as well.

Find a good way to record your results. See if you can predict the numbers for rows of triangles you have not drawn.

When you have done all you can with triangles, see if you get the same sort of results with squares. Then think of other shapes which might make number patterns as they grow.