


Maths <b>**Please also encourage your child to access Mathletics daily on top of or to help the work set**</b>	Monday	This week we have maths investigations based on our previous properties of shapes learning: Recap video: <a href="https://www.bbc.co.uk/bitesize/topics/zwckjxs/articles/ztf9h39">https://www.bbc.co.uk/bitesize/topics/zwckjxs/articles/ztf9h39</a> LO: Can I calculate the missing angles in Isosceles triangles? <b>ALL MATHS IS AT THE BOTTOM OF THE SHEETS</b>
	Tuesday	LO: Can I calculate the missing angles?
	Wednesday	LO: Can I calculate the missing angles?
	Thursday	LO: Can I calculate the missing angles in Isosceles triangles?
	Friday	LO: Can I calculate the missing angles in scalene triangles?
English <b>**Please also encourage your child to read daily either independently or to an adult.</b>	Monday	<a href="https://www.talk4writing.co.uk/wp-content/uploads/2020/04/Y6-James.pdf">https://www.talk4writing.co.uk/wp-content/uploads/2020/04/Y6-James.pdf</a> <u>The City of Silence</u> Is the second unit of English work <b>to last three weeks</b> , 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. Today pages 1-4
	Tuesday	Page 5
	Wednesday	Page 6
	Thursday	Page 7
	Friday	Page 8
Topic/Science	Topic	We are continuing with our Americas Topic. We are going to research individual states of America.  This week, I'd like you to research the state of <b>California</b> , 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).  Make your poster colourful and fact filled. Keep this poster to be the second page of your States of America book.
Topic/Science PE	Science	We are starting a new topic in science, which is electricity, watch: <a href="https://www.bbc.co.uk/bitesize/topics/z2882hv/articles/zcwnv9q">https://www.bbc.co.uk/bitesize/topics/z2882hv/articles/zcwnv9q</a> On your poster list as many appliances that you can think of that use electricity. You could research it further, if you wish.
	Activity 1	Joe Wicks workout

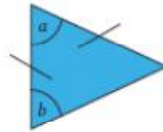
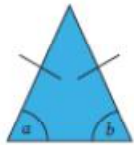
Oak Class – Week beginning May 18<sup>th</sup> 2020  
Year 6

PE Art/Crafts	Activity 2	Cosmic Kids Yoga	
	Activity 3	<p><b>Real PE at home – online learning resources</b> Real PE at home includes an online programme which supports families to be active, play and learn together. Here are the details to access <b>real PE</b> at home:</p> <p>The website address is: <a href="http://home.jasmineactive.com">home.jasmineactive.com</a></p> <p>Parent email: <a href="mailto:parent@lyngcofepr-1.com">parent@lyngcofepr-1.com</a></p> <p>Password: lyngcofepr</p>	
	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).	
Art/Crafts	Activity 2		California is also home to Sea World. Choose an animal you might find there and draw it.
		Maths is below:	

Monday's work:

Remember Isosceles triangle have two equal angles.

- 1) a) Circle the isosceles triangle which has the hatch marks shown correctly to mark equal length sides.



Not to scale

- b) Angle  $a$  in both triangles is  $65^\circ$ . What will angle  $b$  measure?

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- c) Calculate the size of the final missing angle.

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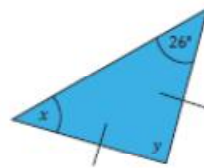
- 2) Are the statements about this isosceles triangle true or false?

a)  $y = 26^\circ$  \_\_\_\_\_

b)  $x = 26^\circ$  \_\_\_\_\_

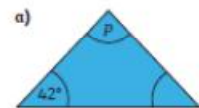
c)  $x + y = 115^\circ$  \_\_\_\_\_

- d) The hatch marks to show equal sides are marked correctly \_\_\_\_\_

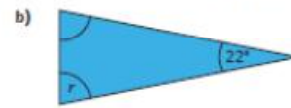


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- 3) Mark the equal sides with hatch marks then calculate the size of the missing angles in these isosceles triangles.

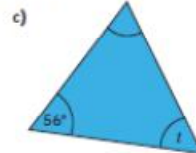


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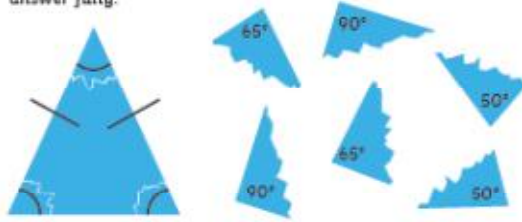


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Tuesday's work:

1) This isosceles triangle has had the corners cut off.

Which three corners could have come from the triangle? Which three could not? Explain your answer fully.



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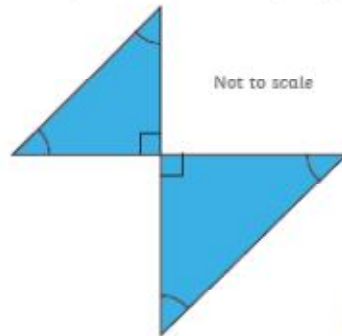
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2) This shape is made from two right-angled isosceles triangles.



Not to scale



Oliver says: "I can calculate the size of each of the missing angles in this shape, even though no angle measurements are given."

Is Oliver correct? Prove it!

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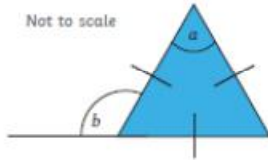
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Wednesday's work:

1) This is an equilateral triangle. Calculate the value of the missing angles  $a$  and  $b$ .



Not to scale



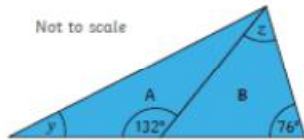
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2) Two triangles share a side. Triangle A is an isosceles triangle. Triangle B is a scalene triangle.

Use what you know about these triangle types to help you calculate the value of the missing angles  $y$  and  $z$ .

Not to scale



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3) My triangle has one angle of  $60^\circ$  and two other unknown missing angles.

a) What different types of triangle can you make by finding different possibilities for the two unknown missing angles?

- Equilateral (all angles are equal)
- Isosceles (two angles are equal)
- Scalene (no equal angles)
- Right-angled scalene or isosceles (at least one right-angle)

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b) What if my missing angle was  $50^\circ$ ?

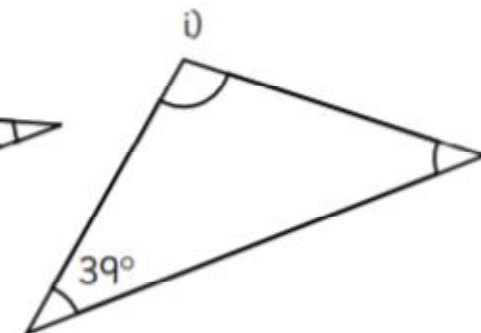
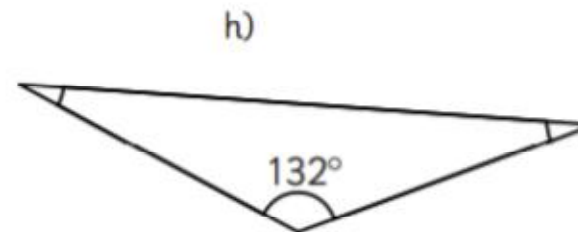
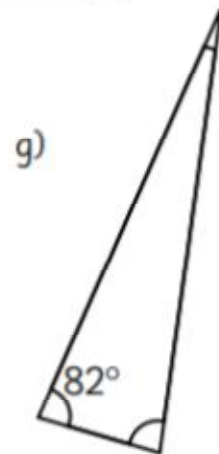
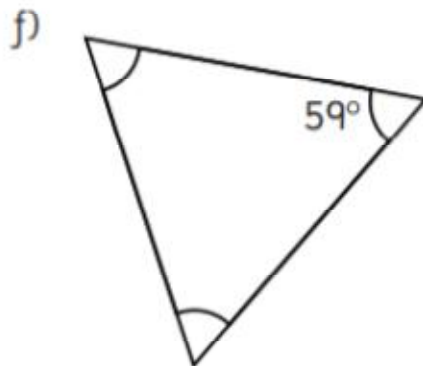
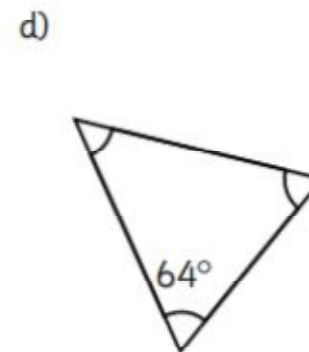
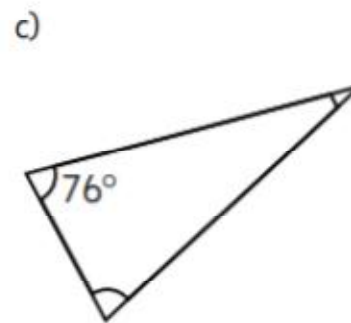
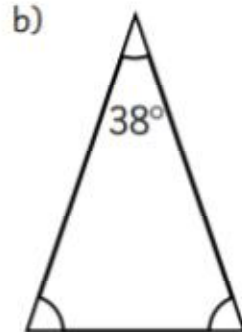
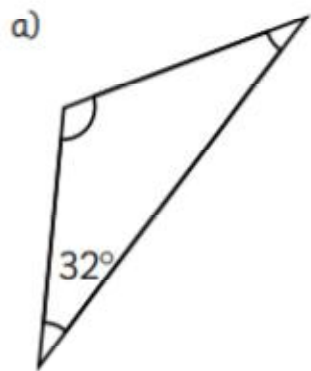
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Thursday's work:

Remember Isosceles triangles have two equal angles.

Calculate the missing angles in these Isosceles triangles.



Friday's work:

Scalene triangles have three different angles: -----

Calculate the missing angle in these scalene triangles.

