

Home Learning

YEAR 6

Week 4

Dear Parent/Carer,

Week 4 already?! We know that it may feel like home schooling has already been going on for an eternity but you are all doing a truly wonderful job and we cannot thank you enough for your support during this time.

We continue to be blown away by the work that is being completed at home. The children are working incredibly hard to produce work of an excellent quality, which is presented beautifully. We can't wait to display this work in school!

It is lovely to see and hear of lessons where the whole family have got involved and we know that the children will value and always remember the time that they have gotten to spend learning with you. It is just as important to spend time as a family doing things outside of the learning packs so always make sure you take those all-important breaks!

As always, we are here to help and support you and your family in any way that we can so please do not hesitate to contact us if you would like to speak to someone.

Keep up the amazing work that is taking place. We remain incredibly proud of our school community and are very grateful for your continued positivity and support.

Thank you,

The Year 5/6 Team



WEEKLY ACTIVITIES

Children can work on these activities throughout the week or complete the activity a number of times during the week.

During the week, there are various activities taking place online:

Mon, Weds, Fri – Joe Wicks Live Workouts – 9am

<https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ>

Online lessons and resources from BBC Bitesize

<https://www.bbc.co.uk/bitesize>

Televised lessons will also be shown on CBBC.

Spellings	Monday	Tuesday	Wednesday	Thursday
audience				
absence				
affluence				
circumference				
existence				
licence <small>licensing</small>				
offence				
persistence				
re-emergence				
sentence				
conscience				
convenience				
occurrence				
obedience				
independence				

Choose three of these words to complete the sentences below- remember your punctuation!

After _____

When _____

Before _____

circumference affluence audience existence
occurrence convenience independence
absence sentence obedience re-emergence
persistence licence offence conscience

j i r e - e m e r g e n c e j
g n p v r s e n t e n c e g j
s d a u d i e n c e b v e o e
p e a y j u c i c c e c i n e
e p e a e s n n u n n c e f c
r e c o y s e f u e p o c w n
s n n i n f r e u i s n n a e
i d e t f o e l c n c s e b r
s e i o r s f u w e c c t s r
t n d z w f m h w v o i s e u
e c e w a u u r q n e e i n c
n e b r l o c l s o z n x c c
c a o a i n r o b c u c e e o
e u u a b t i x t e t e o e z
j n g v l i c e n c e g b t p

A		B		C		D	
12 x 1		8 x 1		4 x 1		9 x 12	
5 x 12		4 x 4		9 x 10		5 x 11	
2 x 8		12 x 2		8 x 2		4 x 2	
11 x 5		7 x 5		3 x 6		9 x 11	
6 x 8		2 x 9		12 x 3		8 x 3	
4 x 3		11 x 6		7 x 6		3 x 7	
10 x 8		6 x 9		2 x 10		12 x 4	
8 x 4		4 x 5		11 x 7		7 x 7	
3 x 8		10 x 9		6 x 10		2 x 11	
12 x 5		8 x 5		4 x 6		11 x 8	
7 x 8		3 x 9		10 x 10		6 x 11	
2 x 12		12 x 6		8 x 6		4 x 7	
11 x 9		7 x 9		3 x 10		10 x 11	
6 x 12		1 x 1		12 x 7		8 x 7	
4 x 8		11 x 10		7 x 10		3 x 11	
10 x 12		5 x 1		1 x 2		12 x 8	
8 x 8		4 x 9		11 x 11		7 x 11	
3 x 12		9 x 1		5 x 2		1 x 3	
12 x 9		8 x 9		4 x 10		11 x 12	
7 x 12		2 x 1		9 x 2		5 x 3	
1 x 4		12 x 10		8 x 10		4 x 11	
10 x 1		6 x 1		2 x 2		9 x 3	
5 x 4		1 x 5		12 x 11		8 x 11	
4 x 12		10 x 2		6 x 2		2 x 3	
9 x 4		5 x 5		1 x 6		12 x 12	
8 x 12		3 x 1		10 x 3		6 x 3	
2 x 4		9 x 5		5 x 6		1 x 7	
11 x 1		7 x 1		3 x 2		10 x 4	
6 x 4		2 x 5		9 x 6		5 x 7	
1 x 8		11 x 2		7 x 2		3 x 3	
10 x 5		6 x 5		2 x 6		9 x 7	
5 x 8		1 x 9		11 x 3		7 x 3	
3 x 4		10 x 6		6 x 6		2 x 7	
9 x 8		5 x 9		1 x 10		11 x 4	
7 x 4		3 x 5		10 x 7		6 x 7	
1 x 12		9 x 9		5 x 10		1 x 11	

MONDAY

25.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>						
1	<p>Reading Comprehension</p> <p>1. Use the link provided to access Oxford Owl. Read the story 'Space Hunt'.</p> <p><i>You may need to use your login details for Oxford Owl to access the text (the details are in the resource section).</i></p> <p>2. Access Accelerated Reading to take a reading quiz on the book. <i>If you have already taken the reading quiz on this book, write 5 questions of your own which could be on the reading quiz.</i></p>	<p>https://www.oxfordowl.co.uk/api/interactives/13285.html</p> <table border="1"><tr><td>5/6LH</td><td>abc123</td></tr><tr><td>5/6VB</td><td>abc123</td></tr><tr><td>5/6RM</td><td>abc123</td></tr></table> <p>Quiz number: 232186</p>	5/6LH	abc123	5/6VB	abc123	5/6RM	abc123
5/6LH	abc123							
5/6VB	abc123							
5/6RM	abc123							
2	<p>SPaG</p> <p>Complete the set activity on Learning by Questions.</p>	<p>https://www.lbq.org/ <i>The activity code will be sent via Marvellous Me this morning.</i></p>						

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>French <i>This week we are going to revise our French numbers (up to 100!).</i></p> <ol style="list-style-type: none"> 1. Watch the video and have a go at singing along! 2. Complete the number translation activity below. 	<p>https://www.youtube.com/watch?v=DnrTrbJ6mYs</p>

0	zéro	17	dix-sept
1	un	18	dix-huit
2	deux	19	dix-neuf
3	trois	20	vingt
4	quatre	21	vingt-et-un
5	cinq	30	trente
6	six	40	quarante
7	sept	50	cinquante
8	huit	60	soixante
9	neuf	70	soixante-dix
10	dix	71	soixante-et-onze
11	onze	80	quatre-vingts
12	douze	81	quatre-vingt-un
13	treize	90	quatre-vingt-dix
14	quatorze	96	quatre-vingt-seize
15	quinze	100	cent
16	seize		

Ecris les nombres en français

27	vingt-sept
1	
46	
12	
35	
23	
44	
28	
51	
14	
5	
21	
66	
59	
62	

You can just write each number onto some paper rather than print out the activity sheet if that is easier for you.

2	<p>PE Choose one of the active indoor games from the linked website – depending on what materials you have available at home. <i>We would love to see your results and pictures!</i></p>	<p>https://kidsactivitiesblog.com/62829/active-indoor-games/</p>
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5-a-day

1. $583 + 3,118$
2. 7×73
3. $405 - \underline{\hspace{2cm}} = 218$
4. $1\frac{1}{4} + \frac{3}{4}$
5. $7^2 + 20$

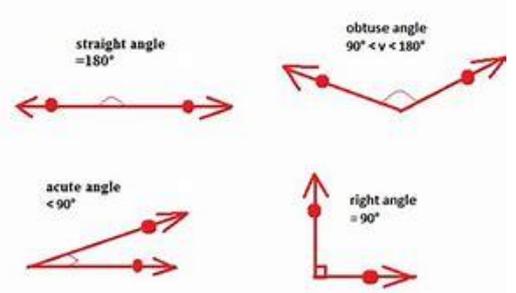
*Some of what we're covering this week will be new learning. Remember not to worry if it seems tricky at first. Watch the clips- they'll help to explain each concept and please feel free to send through an email (rtlyear6@lakesprimary.co.uk) if you need any further explanation.

Types of Angles

Today we're going to recap how to identify, estimate and measure angles.

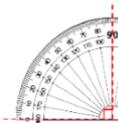
1. Complete the quiz on www.lbq.org (the code to access it will be sent via Marvellous Me on Monday morning).
2. Work out the angles on the task below.
3. Play the Bunny Angle game (draw the correct angle to give the bunny carrots):

<https://www.math10.com/en/math-games/games/geometry/games-bunny-and-angles.html>

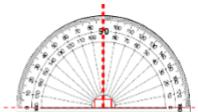


Extra challenge:

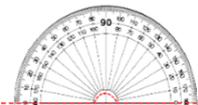
Complete the 144 question multiplication test at the beginning of the pack. Can you beat last week's time?



There are degrees in a right angle.



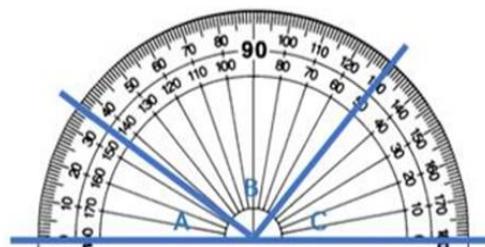
There are right angles on a straight line.



There are degrees on a straight line.

Work out the size of each angle.

Explain how you found your answers.



TUESDAY

26.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>						
1	<p>Reading Comprehension</p> <p>1. Use the link provided to access Oxford Owl. Read the story 'Return to Exis'.</p> <p><i>You may need to use your login details for Oxford Owl to access the text (the details are in the resource section).</i></p> <p>2. Access Accelerated Reading to take a reading quiz on the book. <i>If you have already taken the reading quiz on this book, write 5 questions of your own which could be on the reading quiz.</i></p>	<p>https://www.oxfordowl.co.uk/api/interactives/13290.html</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">5/6LH</td> <td style="width: 50%; text-align: center;">abc123</td> </tr> <tr> <td style="text-align: center;">5/6VB</td> <td style="text-align: center;">abc123</td> </tr> <tr> <td style="text-align: center;">5/6RM</td> <td style="text-align: center;">abc123</td> </tr> </table> <p>Quiz number: 232184</p>	5/6LH	abc123	5/6VB	abc123	5/6RM	abc123
5/6LH	abc123							
5/6VB	abc123							
5/6RM	abc123							
2	<p>SPaG</p> <p>Complete the set activity on Learning by Questions.</p>	<p>https://www.lbq.org/ <i>The activity code will be sent via Marvellous Me this morning.</i></p>						
3	<p>Extension Activity</p> <p>Explore other texts available on Oxford Owl. <i>Remember to check whether you can take the reading quiz on a book once you have finished it!</i></p>							

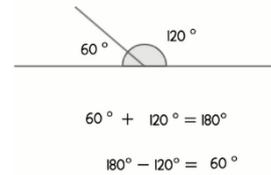
5-a-day

1. $276 - 115$
2. $6.63 + 2.8$
3. 4×408
4. $4\frac{3}{4} - 1\frac{5}{6}$
5. $7,503,392 = 7,000,000 + \underline{\hspace{2cm}} + 3,000 + \underline{\hspace{1cm}} + 90 + 2$

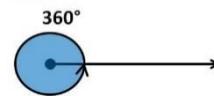
Calculating Missing Angles

For today there are two important things you need to know:

- adjacent angles on a straight line add up to 180°
 - angles around a point add up to 360°
1. Watch these clips to work through a few examples of calculating angles on a straight line and around a point:
<https://vimeo.com/432267958>
 2. Calculate the missing angles on the worksheet on the next page.



Angle around a point is 360 degrees



Extra challenge:

Use your knowledge from today to complete these problem solving and reasoning questions:

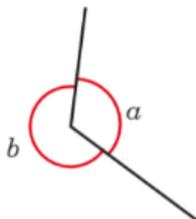
There are five equal angles around a point.

What is the size of each angle?

Explain how you know.

Use the information to work out the unknown angles.

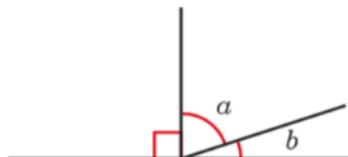
a) Angle a is half the size of angle b .



$a =$

$b =$

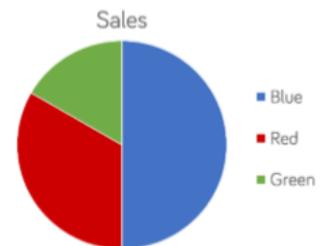
b) Angle a is four times the size of angle b .



$a =$

$b =$

Here is a pie chart showing the colour of cars sold by a car dealer.



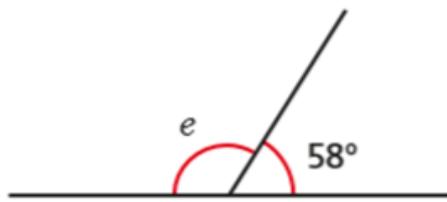
The number of blue cars sold is equal to the total number of red and green cars sold.

The number of red cars sold is twice the number of green cars sold.

Work out the size of the angle for each section of the pie chart.

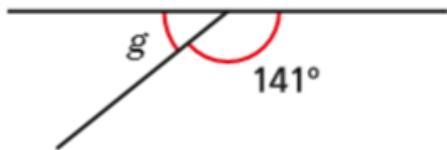
Work out the unknown angles.

a)



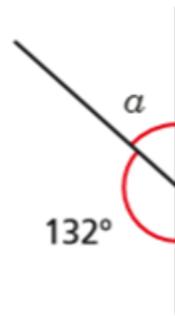
$e =$

b)



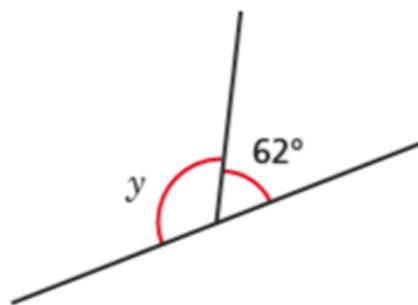
$g =$

d)



$a =$

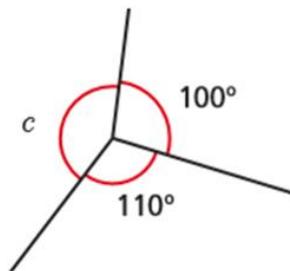
e)



$y =$

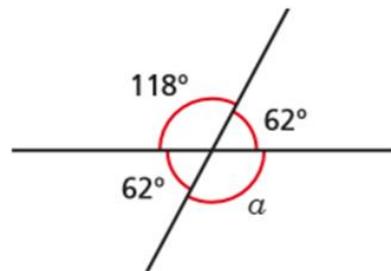
Work out the unknown angles.

a)



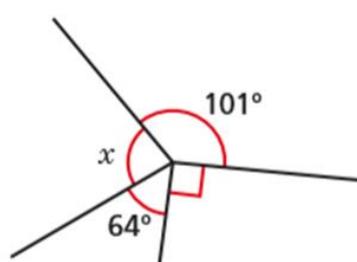
$c =$

c)



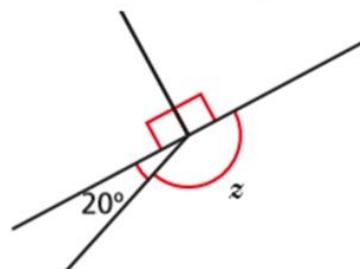
$a =$

b)



$x =$

d)



$z =$

WEDNESDAY

20.01.21

Literacy

Activity Description

Resources

1 **Writing**

During Reading Comprehension, we have looked at two texts which relate to space and which often have extra-terrestrial characters (aliens!) in them. In our writing sessions, we are going to write a description of our own character from outer space.

1. Watch the animated short film: 'The Planets'.
You may get some ideas for different characteristics that you want your alien to have!
2. Draw your alien and add descriptive vocabulary/phrases which you could include to describe both the alien's appearance and its personality.

<https://vimeo.com/channels/theplanets>

2 **SPaG**

Tick one box in each row to show whether the sentence is a **question** or a **command**.

Sentence	Question	Command
Do your stretches before you exercise		
Do you prefer tennis or cricket		
Do the boys always go running in the morning		
Do take some water with you to football practice		

Circle the correct word in each box to complete the sentences in **Standard English**.

Pass me

them
those

 cartons, please.

You sang that song very

good.
well.

We always

did
done

 our homework on time.

Curriculum Activities

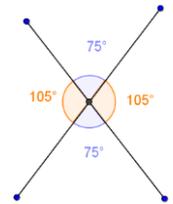
	<u>Activity Description</u>	<u>Resources</u>
1	<p>RE: Buddhism</p> <p><i>Firstly, let's recap what we've learnt about Buddhism at school so far.</i></p> <p>Try answer these quick quiz questions:</p> <ol style="list-style-type: none">1. Who started Buddhism?2. How long ago did this religion begin?3. Where did this religion originate (come) from?4. What do Buddhists strive to achieve in their life?5. Do Buddhists believe in a god? <p><i>Don't worry if you weren't able to answer all of the questions. You may want to do some research to remind yourself of the key information about this religion.</i></p> <ol style="list-style-type: none">1. Use the BBC Bitesize link to re-cap the history and main principles of Buddhism.2. Create a Buddhism fact file, using the information from the source. <i>You can create a handwritten one or create a digital version.</i>	<p>https://www.bbc.co.uk/bitesize/topics/zh4mrj6/articles/zdbvjhv</p>
2	<p>DT</p> <p>Build a space vehicle!</p> <p><i>This could be a rocket or a space rover; it may be an alien spacecraft or even be a model of the ISS!</i></p> <p><i>You may want to work on this activity over a number of days so don't worry about completing it today. Use whatever materials you may have at home – you could make a rocket out of recyclable materials or a spaceship just out of paper.</i></p> <p><i>We can't wait to see what you create!</i></p>	

5-a-day

1. $735 \div 21$
2. $583,490 + 4,239$
3. 861×77
4. $90 + (50 \div 10)$
5. $430,030 - 3,321$

Calculating Vertically Opposite Angles

Sometimes, we need a protractor to measure angles but there are other times when we could use **logic** to calculate missing angles. Re-cap the important things we needed to know from yesterday because we'll need to use this knowledge today. We know also need to know that **vertically opposite angles are equal**.

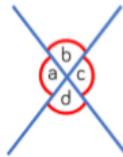


1. Use this knowledge to complete these statements based on the diagram:

Use the letters from the diagram to fill in the boxes.

=

=



+ = 180°

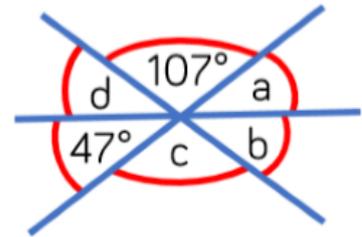
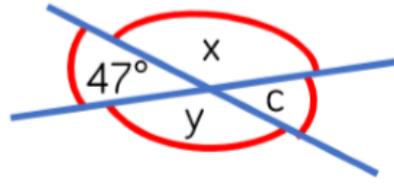
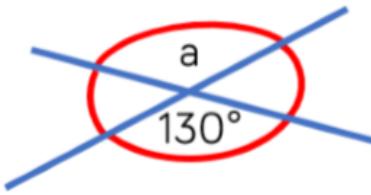
+ = 180°

2. Watch the video clips to see worked examples of how to calculate vertically opposite angles: <https://www.bbc.co.uk/bitesize/articles/zhvn2v4>
3. Complete the activities on the following page. (Remember that adjacent angles on a straight line add up to 180° and angles around a point sum to 360° - this may help to work out some of the missing angles!)

Extra challenge:

Complete the angles tasks on Mathletics.

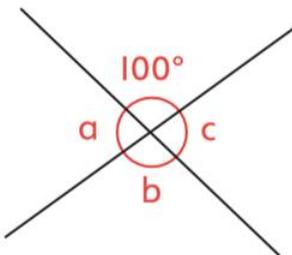
Find the size of the missing angles.



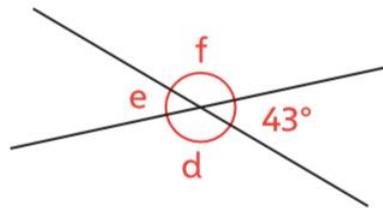
Is there more than one way to find them?

Calculate all the angles that you can.

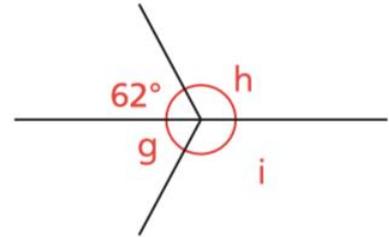
a)



b)



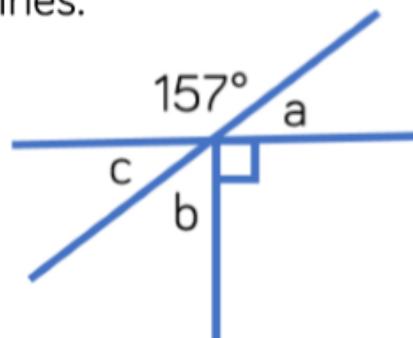
c)



I am not sure all of these are possible.



The diagram below is drawn using three straight lines.



Whitney says that it's not possible to calculate all of the missing angles.

Do you agree? Explain why.

THURSDAY

21.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Writing</p> <p><i>You will need your alien picture from yesterday to help you to write the character description today.</i></p> <p><i>Your character description is going to give a <u>detailed</u> description of all of the features of your alien – if you're worried that you won't have many things to write about, take some time to add some more detail to your picture before completing today's tasks.</i></p> <p>1. Write a description of your alien.</p> <p><i>You may want to describe how it looks, what it sounds/smells like, what it likes and dislikes.</i></p> <p><i>You may want to begin your writing with:</i> <i>What stood before me was the strangest thing I have ever seen...</i></p> <p><i>Try to write the description as if it were part of a story – imagine you have just encountered the alien and are describing it for the first time.</i></p>	

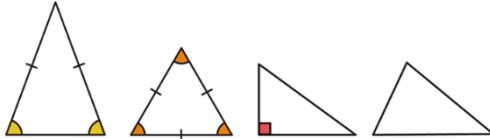
Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Space: The Moon <i>We're going to look a bit more closely at the lunar cycle today.</i></p> <p>1. Watch Clip 1 to learn what the moon looks like and how it came to be created.</p> <p><i>Have you looked at the moon recently? Do you know what phase of the cycle it's currently in?</i> Look at Website 1 to view the moon phase calendar for January.</p> <p><i>We're going to try and make a simulation to help us better understand how we see the phases of the lunar cycle from Earth.</i></p> <p>2. Choose Option 1, 2 (or try Option 3 to make your own moon viewer) to try at home – depending on what materials you have available. <i>Don't forget to take photos or videos of your demonstration to share with us via email – we'd love to see them!</i></p> <p><u>Extra challenge:</u> Use Website 2 from Nasa to explore the moon further. <i>There is a tool which allows you to spin the moon and view it from different angles as well as simulate the lunar cycle.</i> Write down any interesting facts you learn.</p>	<p><u>Clip 1:</u> https://www.bbc.co.uk/bitesize/clips/zj3ygk7</p> <p><u>Website 1:</u> https://www.moonconnection.com/moon_phases_calendar.phtml</p> <p><u>Option 1:</u> https://www.youtube.com/watch?v=wz01pTvuMa0</p> <p><u>Option 2:</u> https://www.youtube.com/watch?v=Ty4sISaYwgl</p> <p><u>Option 3:</u> https://www.youtube.com/watch?v=8lQsU_YqIWQ</p> <p><u>Website 2:</u> https://moon.nasa.gov/about/overview/</p>

5-a-day

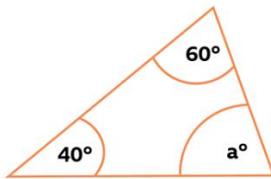
1. 200×90
2. $3 - 1.19$
3. $\frac{9}{10} - \frac{3}{5}$
4. $32.390 + 343.41$
5. Round 90, 389 to the nearest hundred thousand

Angles in A Triangle



Can you name each of these triangles? What properties can you identify for each? What we need to know today is that the **interior angles** (the angles inside) of a triangle always equal 180° .

1. Go to this link to recap the names and properties of different triangles and to see examples of how to calculate missing angles in a triangle by using the knowledge that the interior angles = 180° : <https://www.bbc.co.uk/bitesize/articles/z8twr2p>



Since you know that all angles in a triangle add up to 180° , you have to add up the values of the angles that you do know and then subtract them from 180° :

$$40^\circ + 60^\circ = 100^\circ$$

$$180^\circ - 100^\circ = 80^\circ$$

Therefore:

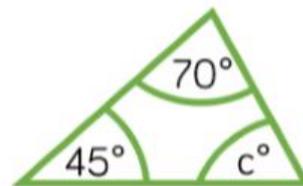
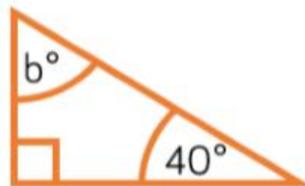
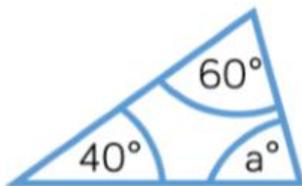
$$a = 80^\circ$$

2. Complete the activities below.

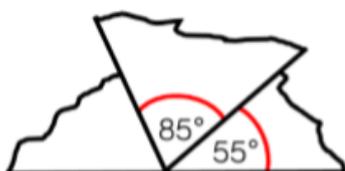
Extra challenge:

Complete the quiz on www.lbq.org . The code will be sent via Marvellous Me on Thursday morning.

Calculate the missing angles.



Calculate the missing angles and state the type of triangle that these corners have been torn from.



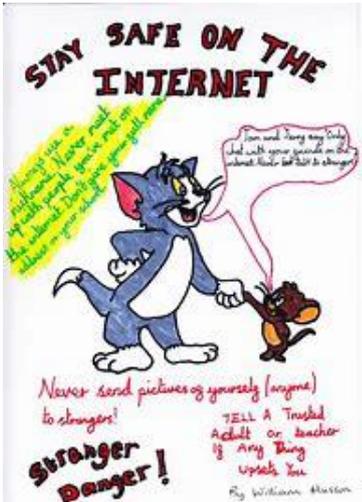
FRIDAY

22.01.21

Literacy

	<u>Activity Description</u>	<u>Resources</u>
1	<p>Writing</p> <p><i>In the short film 'The Planets', each group of aliens lived on a specific planet, which had its own theme and way of life.</i></p> <p><i>Think about what type of planet your alien would belong on.</i></p> <p>1. Produce a description of the planet that is home to your alien.</p> <p><i>You may decide to write a setting description or draw a labelled image of your planet. You may want to create a poster, which includes descriptive vocabulary or you may try to write a poem describing the planet.</i></p>	
2	<p>SPaG</p> <p>Play 'The Adjective Detective'</p> <p><i>There are learning activities to work through before completing the quiz and the detective game at the end.</i></p>	<p>https://www.childrensuniversity.manchester.ac.uk/learning-activities/languages/words/adjective-detective/</p>

Curriculum Activities

	<u>Activity Description</u>	<u>Resources</u>
1	<p>PE – Super Movers Solar System <i>Today we're going to learn a dance from BBC Super Movers about the solar system.</i></p> <p>Watch the routine and spend time learning the moves.</p> <p><i>Can you memorise parts (or the whole) of the routine so you can perform it without looking?</i></p> <p>Extension Activity Try creating your own space-themed dance to a piece of music.</p>	<p>https://www.bbc.co.uk/teach/supermovers/ks2-science-the-solar-system-from-the-tardis/zkrt8xs</p>
2	<p>PSHE/Computing <i>On Tuesday, 9 February, it's Safer Internet Day. We'll be doing some work on this next week but today, we're going to create a poster that promotes e-Safety tips.</i></p> <p>1. Create a poster to promote e-safety. <i>You can create a hand-drawn poster or create a digital poster. Your poster can focus on any aspect of keeping safe online.</i></p> <p>Below are some examples of effective posters:</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>https://www.saferinternetday.org/</p>
3	<p>Family Time Plan an activity that you could enjoy doing with your family over the weekend.</p>	

5-a-day

1. $\frac{6}{9} \times \frac{3}{4}$
2. $0.3 \div 1,000$
3. $8,153 \times 64$
4. $4,251 \div 32$
5. $48,232 + 32,321$

Angles in Quadrilaterals

Can you remember what a “quadrilateral” is? Can you name any quadrilaterals? Today we’re going to look at the angles in special quadrilaterals. The important information we need to know today is that the **interior angles of quadrilaterals** add up to **360°**.

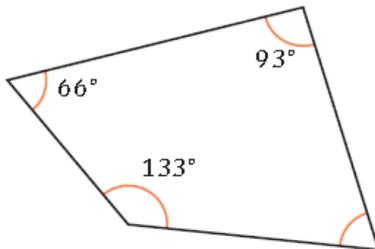
1. Watch this clip to investigate how to calculate missing angles in quadrilaterals:
<https://vimeo.com/434627734>
2. Complete the activities on the following pages.

Extra challenge:

Work through the extra activities on BBC Bitesize: <https://www.bbc.co.uk/bitesize/articles/z4vfxbk>

;) Calculate and label the missing angles in each of these quadrilaterals.

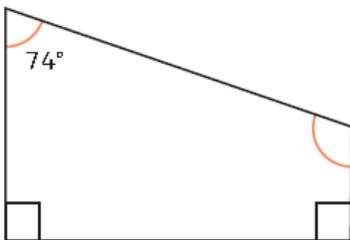
a)



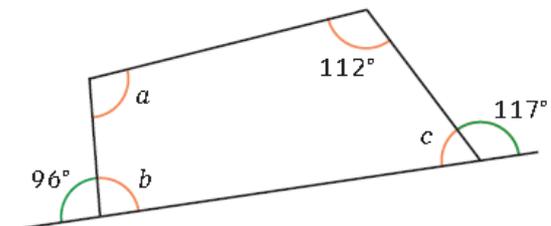
b)



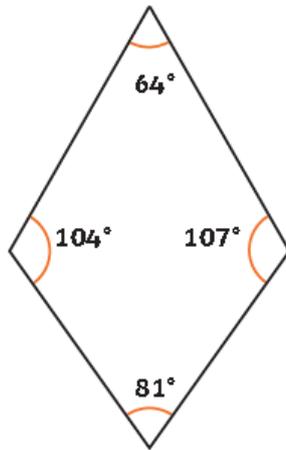
c)



d)



Monika measured the angles in this kite shape with a protractor and labelled it with the angles she found.



Not to scale

Leo says, "Without measuring the angles myself, I think I have found two reasons to prove Monika hasn't measured the angles correctly."

Which two reasons do you think Leo has found to explain how he knows that Monika has not measured the angles correctly in the kite? Explain your answer fully.

Which of these sets of angles could belong to a parallelogram? Which could not? Explain your answer fully.

- a) $71^\circ, 72^\circ, 108^\circ, 109^\circ$
- b) $100^\circ, 100^\circ, 80^\circ, 80^\circ$
- c) $128^\circ, 128^\circ, 51^\circ, 51^\circ$



In a quadrilateral, two of the angles measure 17° and 84° .

Which of the following could be the pair of angles that is missing?
Please circle the correct answer.

90° and 123°

66° and 35°

147° and 112°

160° and 87°