Dear parents, carers and children,

I do hope that everyone is keeping well and safe at this time and coping with everything that is happening currently.

A big thank you to parents and children, from myself and Mr Angus, for completing so much of the work that is set and returning this to classroom@templegroveacademy.com. I speak to Mr Angus on most days by phone and we are both delighted looking at the work that is being sent in; we are of course doing our upmost to respond to every email and offer feedback where appropriate. If anyone does have issues with this system or are finding it difficult to manage, do please call the school office to speak to me (if I am unavailable I will of course call you back).

I appreciate that teaching your child from home is incredibly difficult for a number of reasons, and the year 6 curriculum really is challenging! I've had the 'pleasure' of doing maths work with my little boy who really just wants to be kicking a football around and not doing work with dad! I know that many of us will be experiencing these challenges and, on behalf of myself and Mr Angus, we appreciate this greatly.

We have made the decision to do home learning with my son mornings only at this point, allowing him the chance to play and run around in the afternoons. I think that this is a fair expectation. I therefore attach work, below, for mornings only with an afternoon task if you wish to complete this also. A rigid timetable in the morning with frequent breaks is still my best advice.

Take care all, and we are looking forward to seeing the class soon,

Mr Bailey and Mr Angus.

Monday 27th April:

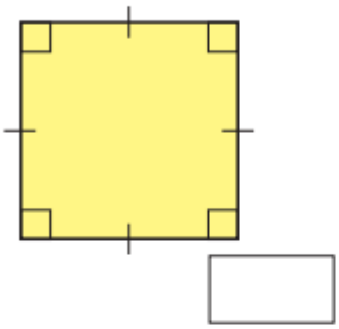
9.00am – 9.30am: login to Times Table Rock Star and play either on studio or garage mode. Remember, you can challenge friends on the multiplayer tab, selecting 'Rock Slam'. I am now retired from challenges as I find it impossible to get faster than Oz Snoob, and others now!

9.30am – 10.30am: maths. This week we are still focused on angles and problem solving work from the White Rose website. Remember to watch the video that accompanies the worksheet below. Link for today: https://whiterosemaths.com/homelearning/year-6/ (lesson 1).

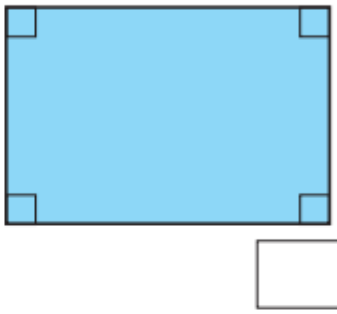
Angles in special quadrilaterals

1 Work out the sum of the angles in each shape.

a)

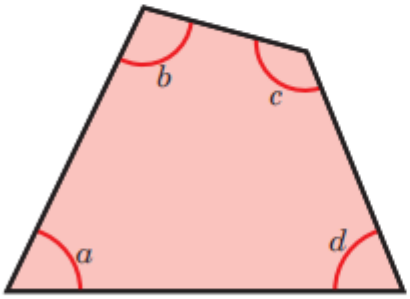


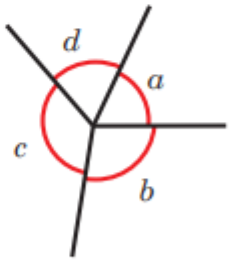
b)



What do you notice?

2 The diagrams show the four vertices of a quadrilateral arranged around a point.





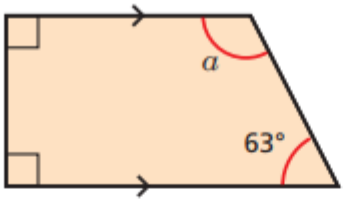
What do the diagrams illustrate about the sum of the angles in a quadrilateral?

Complete the sentence.

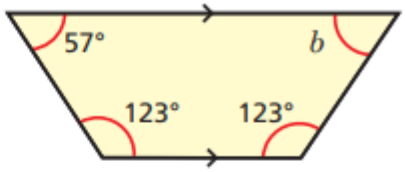
Angles in a quadrilateral _____

3 Work out the size of the unknown angle in each trapezium.

a)



b)

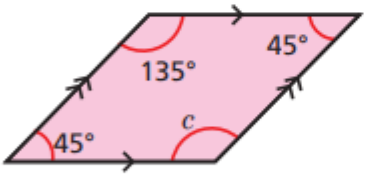


$a =$ ☐ $b =$ ☐

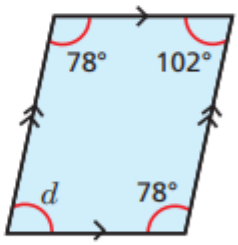
c) What is the same and what is different about the trapeziums?

4 Work out the sizes of the unknown angles.

a)



b)



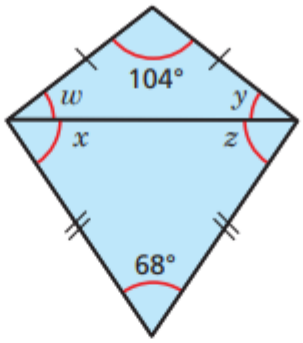
$c =$ ☐ $d =$ ☐

c) What do you notice about opposite angles in a parallelogram?

_____

5 Two isosceles triangles are joined to form a kite.

a) Work out the sizes of the unknown angles.



$w =$ ☐ $y =$ ☐ $x =$ ☐ $z =$ ☐

b) Work out $w + x$.

☐

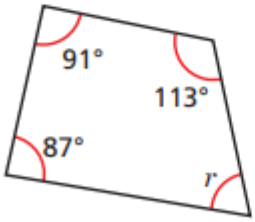
c) Work out $y + z$.

☐

What do you notice? Talk about it with a partner.

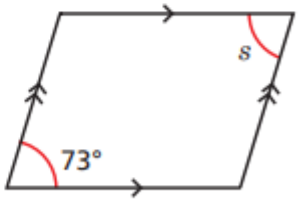
6 Work out the sizes of the unknown angles.

a)



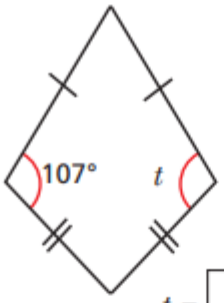
$r =$ ☐

b)



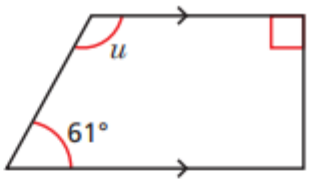
$s =$ ☐

c)



$t =$ ☐

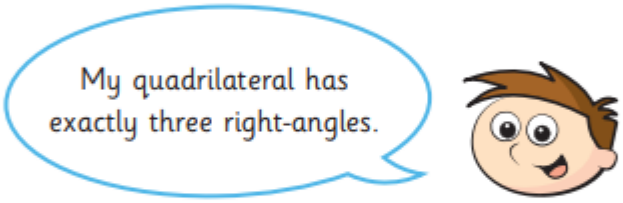
d)



$u =$ ☐

Compare your reasoning with a partner.

7 Teddy is drawing a quadrilateral.



Is Teddy's quadrilateral possible? _____

Explain your answer.

10.30am – 11.00am: break

11.00am – 12.00am: grammar

Spring Term 1

3

a

Write a sentence with a fronted adverbial about the Loch Ness monster. Underline it.

b

Replace the underlined words with a synonym.

With a flick of his magical wand, Wizardo turned his enemy into an ugly monster.

c

Rewrite this sentence in the present prefect tense.

Peter entered the competition.

d

Rewrite the sentence with a semicolon to replace the co-ordinating conjunction between the two independent clauses.

William Shakespeare is still one of the best-selling authors in the world and his books are translated into many languages.

e

Mr Whoops has made two clumsy spelling mistakes in his diary entry. Can you underline them and correct them? Use a dictionary if you need to.

Dear Diary,

After standing in a cue for over an hour, I finally gained admission into the new ansient Egypt exhibition at the museum.

f

Read the sentence below and circle the word or words that make it a question.

That's the new boy from Class 9, isn't it?

Afternoon (voluntary): using the map of the world, below, select a country in Europe that you are interested in and create a fact-file on this country.

<u>Tuesday 28th April:</u>

9.00am – 9.30am: login to Times Table Rock Star and play either on studio or garage mode. Remember, you can challenge friends on the multiplayer tab, selecting 'Rock Slam'.

9.30am – 10.30am: maths. This week we are still focused on angles and problem solving work from the White Rose website. Remember to watch the video that accompanies the worksheet below. Link for today: https://whiterosemaths.com/homelearning/year-6/ (lesson 2).

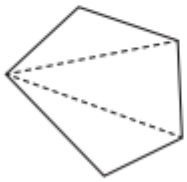
Angles in regular polygons

1 The sum of the interior angles of a triangle is 180°.

Split the polygons into triangles to work out the sum of their interior angles. Your lines should not overlap.

The first one has been done for you.

a)



number of sides = 5

number of triangles = 3

3 × 180 = 540

The sum of the interior angles of a pentagon is 540°

b)

number of sides = ____

number of triangles = ____

____ × 180 = ____

The sum of the interior angles of a hexagon is ____

c)

number of sides = ____

number of triangles = ____

____ × 180 = ____

The sum of the interior angles of a heptagon is ____

What do you notice about the number of sides compared to the number of triangles?

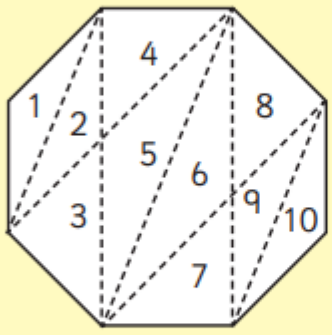
2 Complete the table.

Shape	Number of sides	Number of triangles	Sum of interior angles
quadrilateral	4	2	360°
pentagon			
nonagon			
decagon			
	6		
		6	
			1,800°

Compare answers with a partner.

3 Dani is working out the sum of the interior angles of a polygon.

Here are her workings.



$10 \times 180 = 1{,}800°$

Do you agree with Dani? _____

Explain your answer.

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4 Rosie, Amir and Eva are drawing polygons.

a)

I have split my polygon into four triangles.

Rosie

What polygon has Rosie drawn? _____

b)

The sum of the interior angles of my polygon is 1,080°.

Amir

What polygon has Amir drawn?

_____

c)

My polygon has more sides than Rosie's but fewer than Amir's.

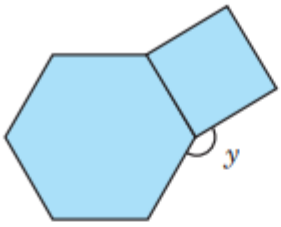
Eva

What is the sum of the interior angles of Eva's polygon?

5 Each compound shape is made up of regular polygons.

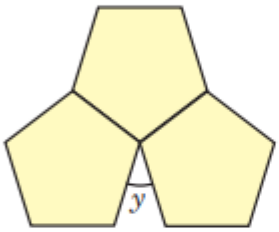
Work out angle y in each case.

a)



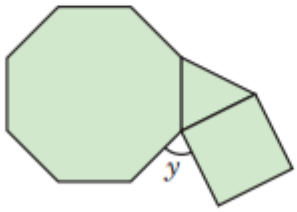
$y =$ ☐

b)



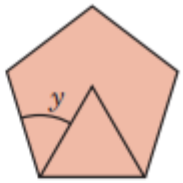
$y =$ ☐

c)



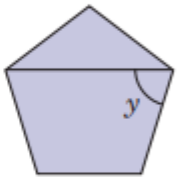
$y =$ ☐

d)



$y =$ ☐

e)



$y =$ ☐

f)

$y =$ ☐

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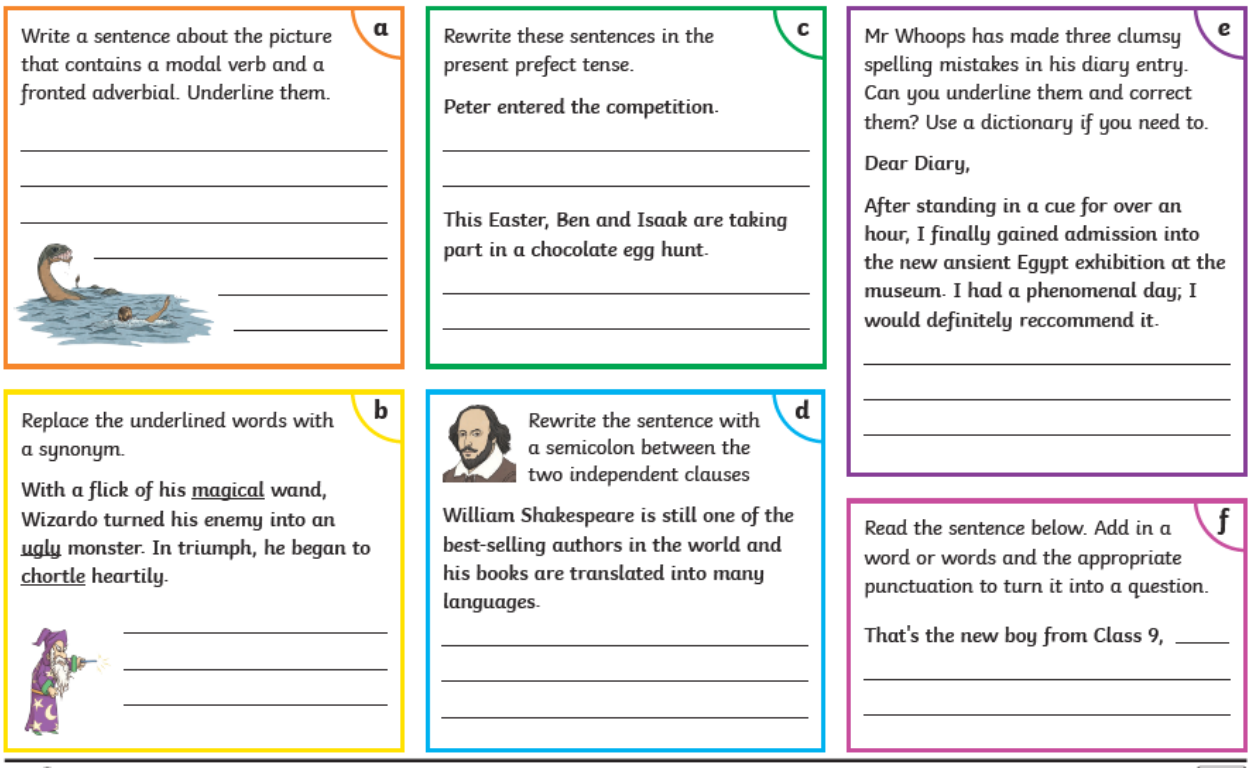
10.30am – 11.00am: break

11.00am – 12.00am: grammar



Afternoon (voluntary): using the map of the world, above, select a country in South America that you are interested in and create a fact-file on this country.

Wednesday 29th April:

9.00am – 9.30am: login to Times Table Rock Star and play either on studio or garage mode. Remember, you can challenge friends on the multiplayer tab, selecting 'Rock Slam'.

9.30am – 10.30am: maths. This week we are still focused on angles and problem solving work from the White Rose website. Remember to watch the video that accompanies the worksheet below. Link for today: https://whiterosemaths.com/homelearning/year-6/ (lesson 3).

1 A car park is full.

- $\frac{1}{3}$ of the cars leave
- 60% of the remaining cars are red.

There are 174 red cars.
How many cars left the car park?

2 Mo has some red and green sweets.

- He eats $\frac{1}{3}$ of the sweets.
- $\frac{3}{4}$ of the sweets left over are green.

- Mo buys himself 30 more green sweets.

There are now 162 green sweets.
How many sweets did Mo start with?

Problem Solving

Your turn

3 Eva has £6.05 in a moneybox.
She only has 20p, 10p and 5p coins.
For every two 10p coins in the box, Eva has one 20p coin and three 5p coins.
How many of each coin does Eva have in her moneybox?

4 Dexter has to make the scales read between 250 g and 300 g.
He only has 10 g, 25 g and 50 g weights.
He has to use at least one of each weight.
For every three 10 g weights on the scales, Dexter uses one 25 g weight.
What combinations could he use?

10.30am – 11.00am: break

11.00am – 12.00am: grammar

a

Write a sentence about the picture that contains a modal verb, a subordinating conjunction and a fronted adverbial. Underline them.

b

Replace the underlined words with a synonym.

With a flick of his magical wand, Wizardo turned his enemy into an ugly monster. In triumph, he began to chortle heartily.

c

Underline what is incorrect about this present perfect tense sentence? Explain why.

This Easter, Ben and Isaak did take part in a chocolate egg hunt.

d

Rewrite the sentence and add another independent clause. Separate the two clauses with a semicolon.

William Shakespeare is still one of the best-selling authors in the world.

e

Mr Whoops has made three clumsy spelling mistakes in his diary entry. Can you underline them and correct them?

Dear Diary,

After standing in a cue for over an hour, I finally gained admission into the new ansient Egypt exhibition at the museum. I had a phenomenal day; I would definitely reccommend it.

f

Read the sentence below and add a question tag (with the appropriate punctuation) to turn it into a question.

That's the new boy from Class 9 _____

Afternoon (voluntary): using the map of the world, above, select a country in North America that you are interested in and create a fact-file on this country.

Thursday 30th April:

9.00am – 9.30am: login to Times Table Rock Star and play either on studio or garage mode. Remember, you can challenge friends on the multiplayer tab, selecting 'Rock Slam'.

9.30am – 10.30am: maths. This week we are still focused on angles and problem solving work from the White Rose website. Remember to watch the video that accompanies the worksheet below. Link for today: https://whiterosemaths.com/homelearning/year-6/ (lesson 4).

1 A rectangle is cut into two pieces.

The area of B is $\frac{2}{7}$ of the area of the rectangle.

The area of A is 36 cm² greater than the area of B.

What is the length of the rectangle?

2

The area of B is 40% of the area of the rectangle.

A is cut in half to make shape C and D.

The area of B is 8 cm² greater than the area of C and D.

What is the area of the whole rectangle?

3 Tommy is getting a taxi home.

The taxi company charges at the following rate.

Taxi Fares	
First 5 mins	£3.80
Next 5 mins	£3.10
Every following minute	40p

The taxi leaves school at 3.47 p.m.

It arrives at Tommy's home at 16.04

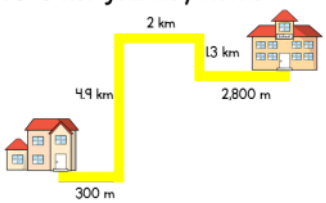
How much does the fare cost?

4 Eva is getting a taxi home.

The taxi company charges at the following rate.

Taxi Fares	
First 3 km	£3.80
Next 5 km	£3.10
Every following km	40p

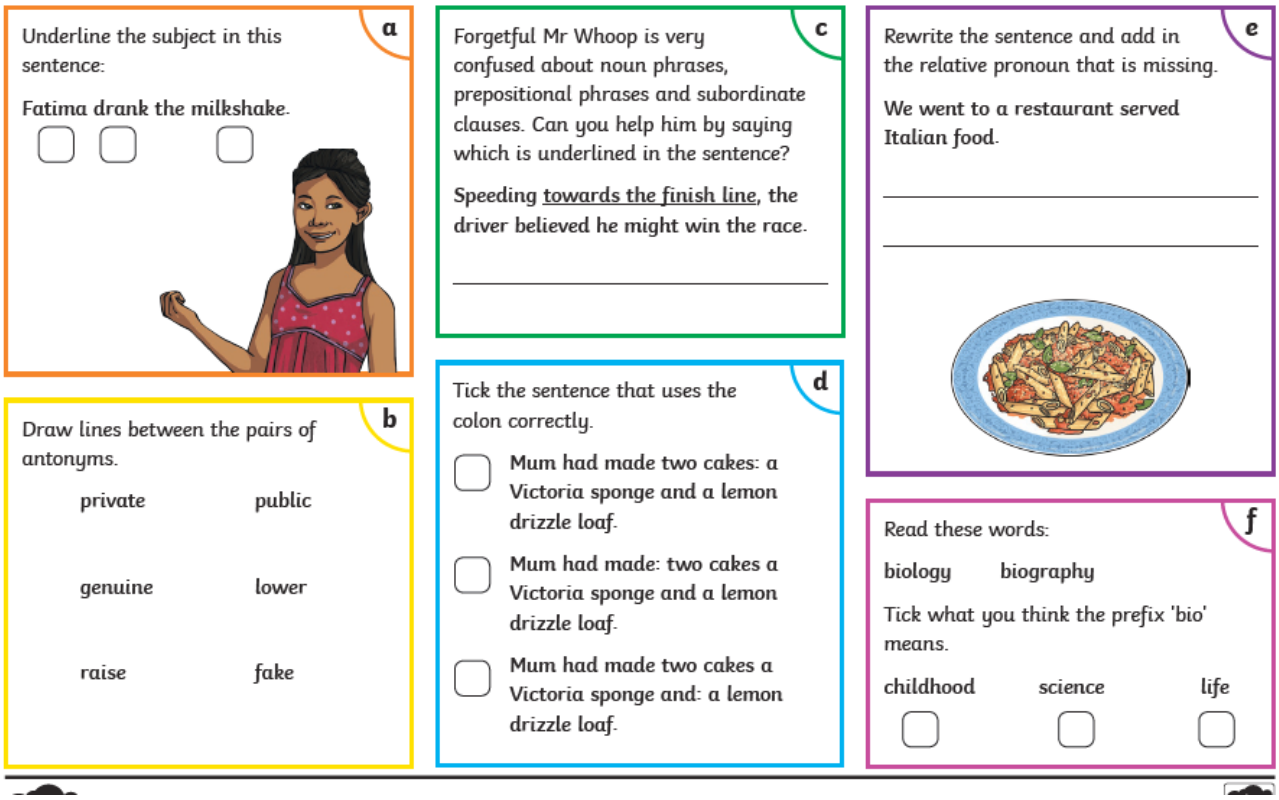
This is her journey home.



How much does the fare cost?

10.30am – 11.00am: break

11.00am – 12.00am: grammar



Afternoon (voluntary): using the map of the world, above, select a country in Africa that you are interested in and create a fact-file on this country.

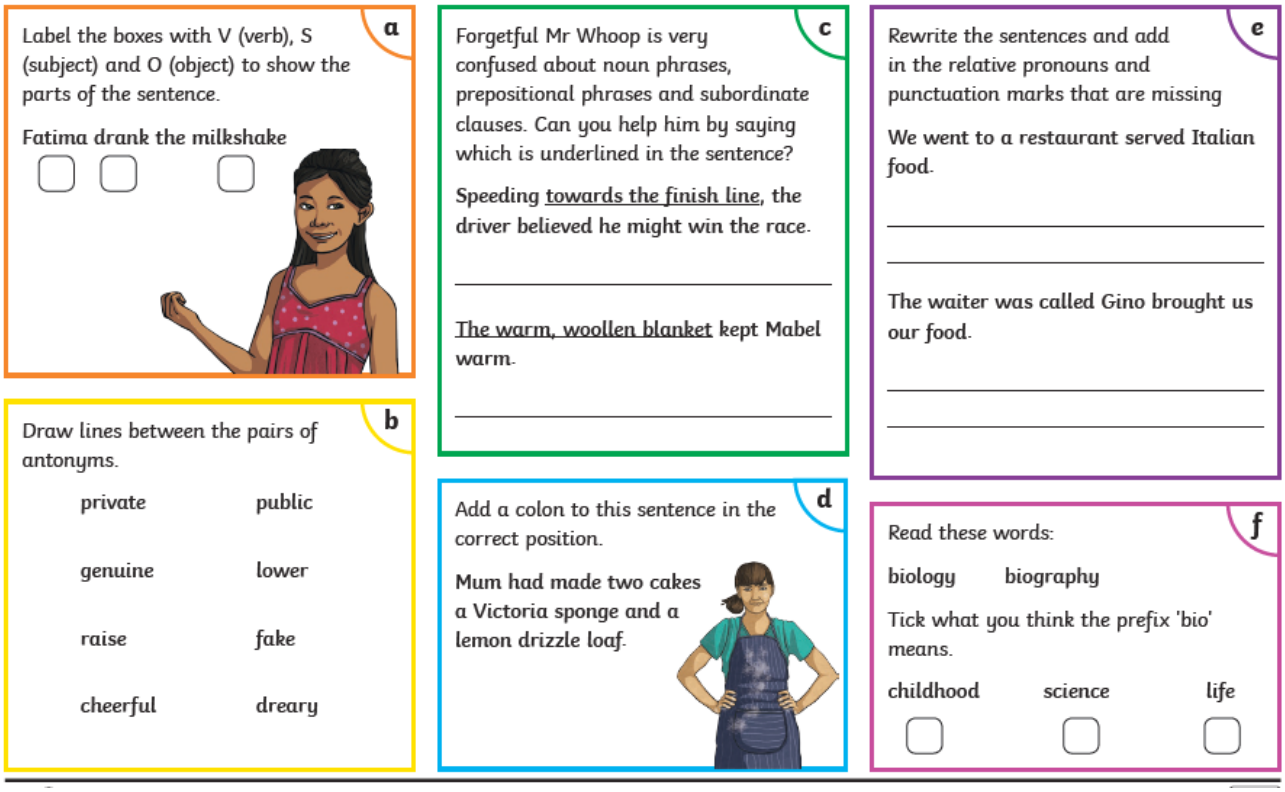
Friday 1st May:

9.00am – 9.30am: login to Times Table Rock Star and play either on studio or garage mode. Remember, you can challenge friends on the multiplayer tab, selecting 'Rock Slam'.

9.30am – 10.30am: maths. Have a look at the BBC Bitesize website https://www.bbc.co.uk/bitesize/articles/z6g8d6f (this is great to use as much as possible as it offers lots of live lessons and linked activities). Today, have a go at the activities within the link, above, linked to rounding decimals.

10.30am – 11.00am: break

11.00am – 12.00am: grammar



Afternoon (voluntary): using the map of the world, above, select a country in Asia that you are interested in and create a fact-file on this country.