Home Learning Pack



Year 6

Name....

For every lesson you should watch the lesson on:

https://www.bbc.co.uk/bitesize/dailylessons

Then complete the activity. You can either send your answers to your teacher on PurpleMash so it can be marked or complete on the paper and return your Home Learning Pack to school at the end of the week.

Monday	Tuesday	Wednesday	Thursday	Friday
English Healthcare hero thank you letter: similes, metaphors & hyperbole	English Healthcare hero thank you letter: semi-colons & colons	English Healthcare hero thank you letter: preparing & drafting	English Writing a 'healthcare hero' thank you letter	English Reading lesson: A Pocketful Of Stars by Aisha Bushby
Maths Decimals: Multiply and divide decimals by 10, 100 and 1000	Maths Decimals: Multiply decimals by integers	Maths Decimals: Divide decimals by integers	Maths Decimals: Convert from a decimal into a fraction and simplify	Maths Challenge of the week
History The Anglo Saxons	Geography Natural resources	Science Magnets	Computing What makes a good computer game	Music Dynamics and Tchaikovsky

	Monday 18th May 2020
8:30	Breakfast
00:6	English- BBC - Writing a thank yu letter with similes, meta- phors and hyperboles •Watch the video clips and complete the activities.
10:00	Maths- BBC- Multiple and divide by 10, 100 and 1000. •Watch the video clips and complete activities. dailylessons
11:00	Break Time
11:30 11:30	Quiet Reading •Read a reading book or log onto http:// •Read a reading book or log onto http://www.scholasticlearningzone.com your log in details.
12:00	Lunch- This time may depend on your parents, therefore it might change slightly.
13:00	History – BBC– Anglo Saxons. •Watch the video clips and complete activities. dailylessons
14:00	Additional English & Maths - See our school website - Hamilton Trust Daily Tasks
15:30	Relax

Monday 18th May 2020 English

LI - To write a thank you letter with simile's, metaphors and hyperboles.

Healthcare Hero's are putting themselves at danger to protect us. You are going to write a thank you letter including similes, metaphors and hyperboles.

Informal Letter Writing Checklist

the sender's address?
the date?
an appropriate greeting?
an introduction?
chatty, informal expressions and style?
a conclusion?
a complimentary close?
the sender's name or signature?

Metaphor

She is a ray of sunshine.

Heart of stone.

He is the light of my life.

A rollercoaster of

emotions.

Simile

Pure as snow.

Quiet as a mouse.

Busy as a bee.

Cute as a kitten.

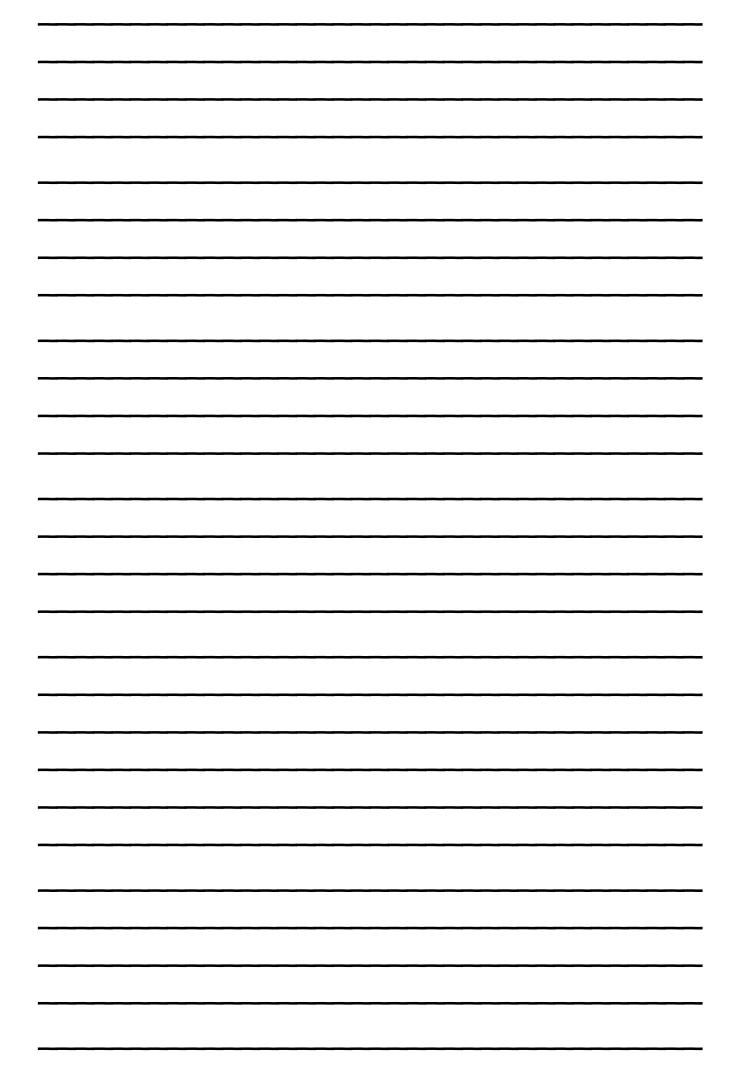
Hyperbole

For the millionth time, be quiet!

He's got a brain the size of a pea.

These shoes are killing me.

Speed up- a snail can go faster than you!



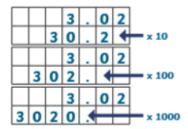
Monday 18th May 2020 Maths

LI - To multiply and divide by 10, 100 and 1000

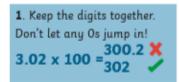
Multiplying Decimals by 10, 100 or 1000

When multiplying a decimal number by 10, 100 or 1000, the value of each digit is multiplied.

3.02 x 10 = 30.2 3.02 x 100 = 302 3.02 x 1000 = 3020 Each digit moves the necessary number of places to the left because multiplying by 10, 100 or 1000 increases the number.



Remember:

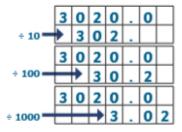


2. Round to check: 3.02 x 1000 = 3020 use 3 x 1000 = 3000

Dividing by 10, 100 or 1,000 Where Answers Are Decimals

When dividing a number by 10, 100 or 1,000 the value of each digit is divided sometimes giving a decimal answer.

3020 ÷ 10 = 302 3020 ÷ 100 = 30.2 3020 ÷ 1000 = 3.02 Each digit moves the necessary number of place to the right because dividing by 10 decreases the number.



Remember:

1.Keep the digits together. Don't let any 0's jump in!

 $34 \div 10 = 3 \times 4$

2. Round to check: 340 ÷ 100 = 3.4

use 300 ÷ 100 = 3

3. Use the inverse to check: 3.4 x 1000 = 3400

		ı	Deci	mal	l Plo	ıce '	Valu	ıe C	hart	t		
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths
М	HTh	TTh	Th	Н	Т	0 (t	h	th	tth	hth	m
						•						

Multiply the following numbers by 10, 100 and 1000 to complete the table.

	x 10	x 100	x 1000
4.02			
0.045			
34.094			
209.817			
0.006			

Divide the following numbers by 10, 100 and 1000 to complete the table.

	÷ 10	÷ 100	÷ 1000
56.9			
209			
4.56			
709.6			
0.072			

Complete the following table.

	x 1000	x 10	÷ 100
607			
4 901			
		0.8	
	17 809		
			0.37

SATs Questions

		missing nun	nber to make this	division corr	ect.	
	[2017]	75	ō÷	= 7.5		
						[1 mark]
4 Here (are six cards.					
	× 10 × 1	00 ×	1000			
	÷ 10 ÷ 1	00 ÷	1000			
Use a	a card to complete each calcu	lation.				
	5.3	= 0.50	3			
	5.3	= 530	0			
	5.3	= 0.08	53			
8 [2017]	Circle the number nine hundred an	er that is 10 d seven.	times greater	than		
[2017]						
	9,700	907	9,007	970	9,070	
	16	In the circles	, write a multiple th	at belongs to ea	ach set.	[1 mark]
	[20168]	One has bee	n done for you.			
		numbe	rs from 1 to 99	multip	ole of 10 50	
		numbers	from 101 to 199	multip	ole of 20	
		numbers	from 201 to 299	multip	ole of 30	

multiple of 40

numbers from 301 to 399

Monday 18th May History Anglo Saxons

Watch the clip on BBC Bitesize:

https://www.bbc.co.uk/bitesize/dailylessons.

Northumbria	Wessex	East Anglia	Mercia
Kent	Si	ussex	Essex



Anglo-Saxon Runes

The Anglo-Saxons wrote using an alphabet that consisted of symbols called runes.



	Tuesday 19th May 2020	
8:30	Breakfast	
9:00	English- BBC - Writing a thank you letter using colons and semi- colons •Watch the videos and complete activities. https://www.bbc.co.uk/	
10:00	Maths-BBC— Multiply decimals by integers •Watch the videos and complete activities. https://www.bbc.co.uk/	
11:00	Break Time	1
11:30	Quiet Reading •Read a reading book or log onto http:// Check your Purple Mash www.scholasticlearningzone.com email for your log in details.	1
12:00	Lunch- This time may depend on your parents, therefore it might change slightly.	
13:00	Geography – Natural Resources	
	•Watch the video clips and complete activities. <u>https://www.bbc.co.uk/</u>	
14:00	Additional English & Maths - See our school website - Hamilton Trust Daily Tasks	
15:30	Relax	

Tuesday 19th May 2020 English

LI - To use colons and semi-colons.

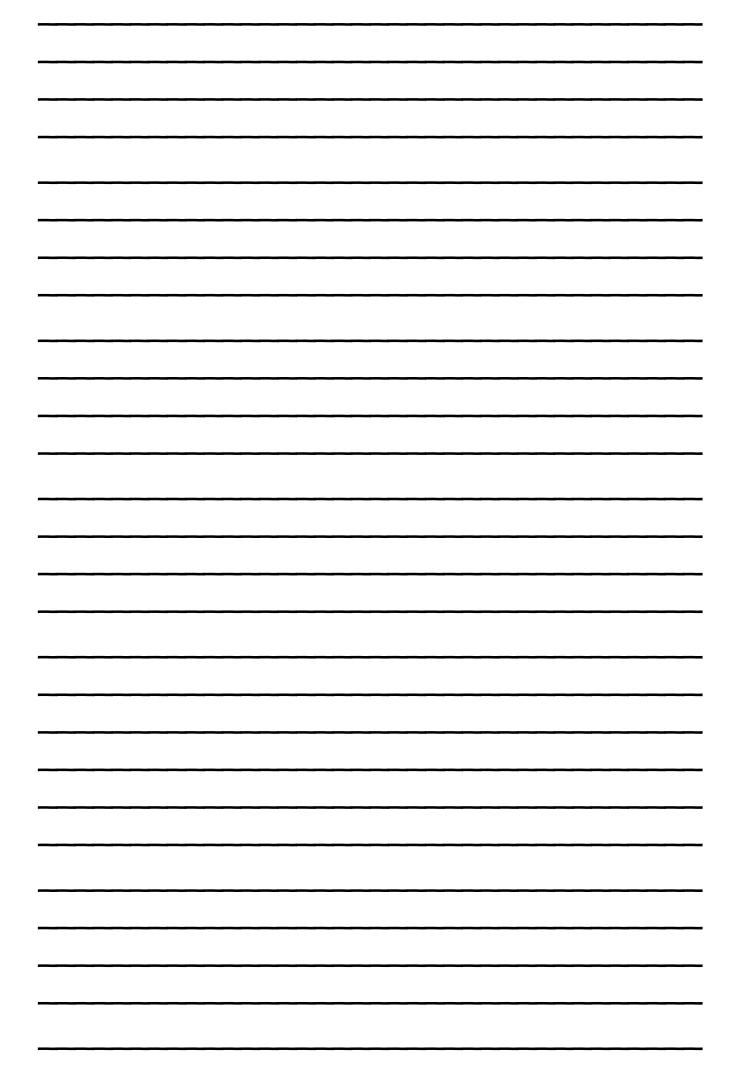
Look at your thank you letter that you wrote yesterday. Edit and redraft using colons and semi-colons.

Using a Semi-colon

A semi-colon contains a comma and a full stop. It is helpful to remember this. A semi-colon is stronger than a comma, but not as final as a full stop.

Using a Colon

A colon looks like two full stops, one above the other. A helpful thing to remember about colons is that because they look like two full stops, they can only be used at the end of an independent clause.



https://www.bbc.co.uk/
bitesize/
ailylessons

Tuesday 19th May 2020 Maths

LI - To multiply decimals using integers.

All this means is multiplying decimals by whole numbers.

1

2

Write the numbers above each other in the correct columns.

Multiply the hundredths digit in the decimal number by the one-digit number. 5 hundredths × 6 ones = 30 hundredths = 3 tenths and 0 hundredths. Write 0 in the answer section and regroup the 3 tenths by writing 3 above the tenths column.

3

4

Multiply the ones digit in the decimal number by the one-digit number and add any regrouped ones. 3 ones × 6 ones = 18 ones + 2 ones = 20 ones = 2 tens and 0 ones. Write the answer in the

Multiply the tenths digit in the decimal number by the one-digit number and add any regrouped tenths. 4 tenths × 6 ones = 24 tenths + 3 tenths = 27 tenths = 2 ones and 7 tenths. Write 7 in the answer section and regroup the 2 ones by writing 2 above the ones column. Write the answer in the provided section.

-

provided section.

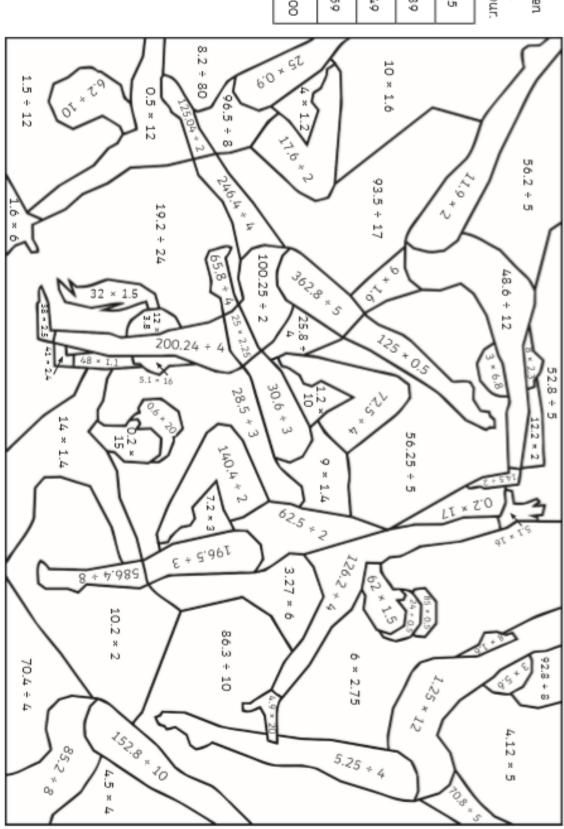
 $3.45 \times 6 = 20.70$



Instructions

Calculate each answer then use the key to shade each section in the correct colour.

Skin Colour (of your choice) 60	Yellow 50	Black 40	Pink 30	White 0
60 < n < 100	50 < n < 59	40 < n < 49	30 < n < 39	0 < n < 25



[2013]

[1 mark]

4

Here are six cards.

[2016S]

Use a card to complete each calculation.

https://www.bbc.co.uk/bitesize/dailylessons

Tuesday 19th May 2020 Geography Natural Resources

Why Don't We Use Renewable Energy All the Time?

- Renewable energy, such as wind or sunshine, can't be stored to be used whenever we need it.
- If the wind doesn't blow, or if it isn't very sunny, then there may not be enough power for everyone.
- Non-renewable resources, such as oil or coal, can be stored and used when they are needed.
- Non-renewable energy is usually cheaper than renewable energy, which means not everyone can afford to use renewable energy.

Natural Resources

Natural resources are found in nature and can be used by people.

Water

light

plants

plants

fossil
fuels

stone

soil

lisadvanto
Advantages
Disadvantages

Not all places	Renewable energy tec	Wind tu	Unused energy sold back	Hydroelectric s	Solar par
Not all places in the world can make use of renewable energy sources.	Renewable energy technologies could produce many jobs in the future.	Wind turbines can be very noisy.	Unused energy produced by households can be sold back to the main national grid.	Hydroelectric systems can harm environments and wildlife.	Solar panels are cheap to maintain.
A lot of land is required to set up large scale systems to make enough electricity.	Renewable energy technologies can be used on small or large scales - e.g. one house or an entire wind farm.	Due to use of a stable source of energy, the cost of renewable fuels does not change much.	Usually, the energy is produced at a slower rate than when using fossil fuels.	The technology required is often expensive to purchase.	Renewable energy sources are clean to use as there are fewer greenhouse gas emissions.

	Wednesday 20th May 2020
8:30	Breakfast
9:00	English- BBC - To write an edit and redraft. •Watch the videos and complete activities. https://www.bbc.co.uk/
10:00	Maths-BBC— Divide decimals by integers. •Watch the videos and complete activities. https://www.bbc.co.uk/
11:00	Break Time
11:30	Quiet Reading •Read a reading book or log onto http:// Check your Purple Mash email for your log in details.
12:00	Lunch- This time may depend on your parents, therefore it might change slightly.
13:00	Science – BBC– Magnets. •Watch the video clips and complete activities. https://www.bbc.co.uk/
14:00	Additional English & Maths - See our school website - Hamilton Trust Daily Tasks
15:30	Relax

Wednesday 20th May English

LI - To edit and redraft.

Re read your letter to the healthcare workers.

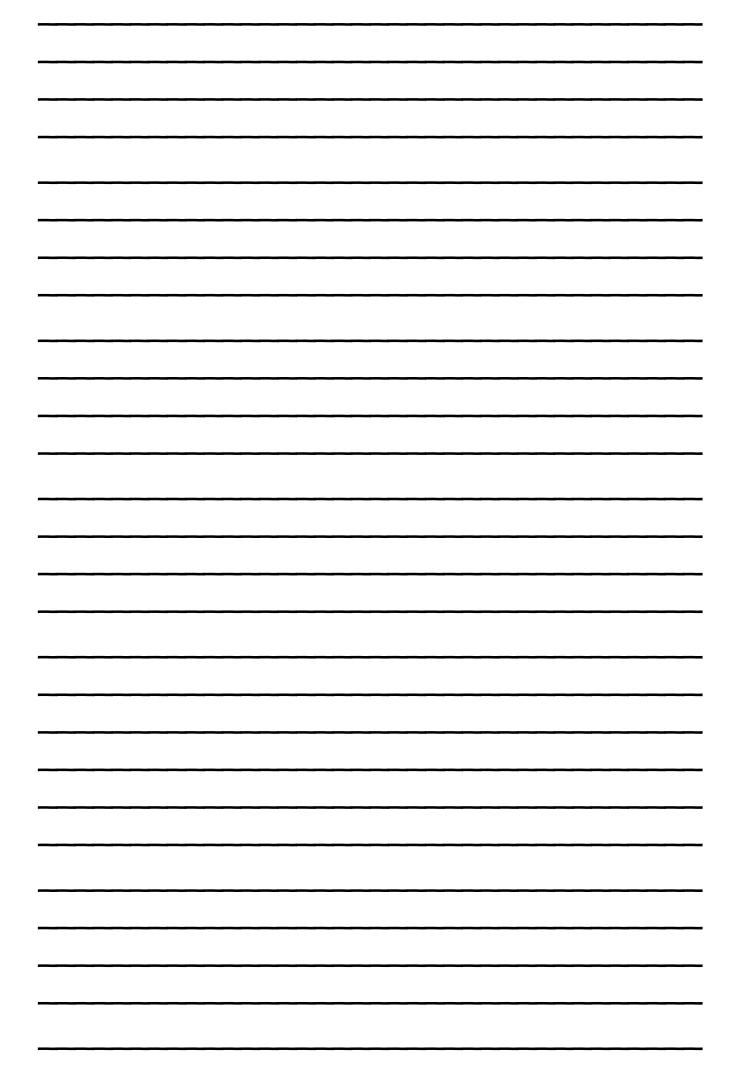
Have you included all the features of a letter?

Have you included all the points on the Year 6 checklist?

Informal Letter Writing Checklist

the sender's address?
the date?
an appropriate greeting?
an introduction?
chatty, informal expressions and style?
a conclusion?
a complimentary close?
the sender's name or signature?

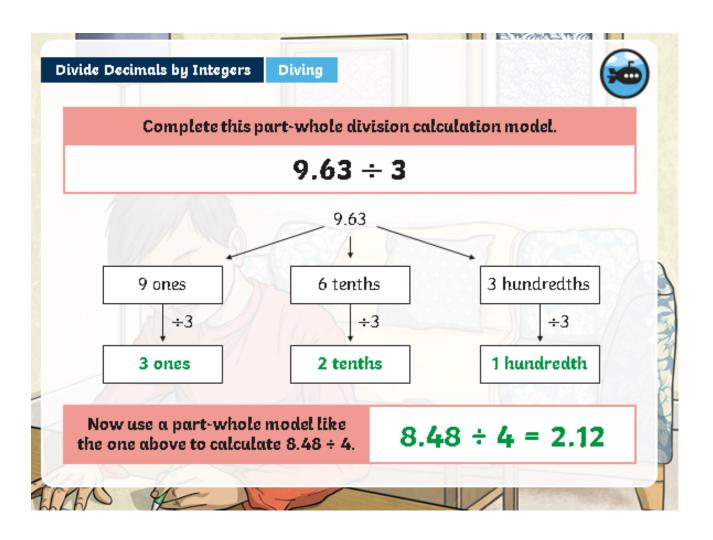
Year 6 Writing Checklist	
	Example
1) Range of sentences	Simple (The man went to the shop) Compound (The man went to be shop because he had no milk) Complex (The man, with feelings of disappointment, went to the shop)
2) Inverted commas	"You're fantastic" exclaimed the teacher.
3) Punctuation	Dashes (Tap—don't go) Brackets (additional information) Ellipses () Question marks (What are you doing?) Rhetorical questions.
4) Literacy devices	Metaphor, Simile, Personification, Repetition, Rhyme
5) Fronted adverbial	Yesterday,
6) Range of vocabulary	Synonyms (good—fantastic)
7) Range of conjunctions	Also, as well as, although, however, whereas, as, consequently



Wednesday 20th May Maths

LI - To divide decimals by integers.
This means dividing decimals by a whole number.

https://www.bbc.co.uk/bitesize/dailylessons



1) Madison is using this place value chart to answer this division.



$$8.48 \div 4 =$$

She writes 2.14 as her answer. Refer to the place value chart and explain to Madison why her answer is incorrect.

ones	tenths	hundredths
1 1	0.1	0.01 0.01 0.01 0.01
1 1	0.1	0.01 0.01 0.01
1 1	0.1	
1 1	0.1	

2) Solve these division calculations.

- 3) Charlie cuts a 10.25m piece of wood into five equal pieces. How long is each piece?
- 4) Three brothers are all paid an equal sum of pocket money. Altogether they were paid £19.80. How much did each brother receive?

Wednesday 20th May 2020 Science Magnets

https://www.bbc.co.uk/bitesize/dailylessons

What Is a Magnet?

A magnet is a metal which attracts or repels other materials. A magnet is made from iron, nickel, steel or cobalt. A magnet has a north end and a south end.

When a magnet attracts another material, there is a pulling force between the two objects.

When a magnet **repels** another material, there is a pushing force between the two objects.

If you observe an object being attracted to a magnet, this is magnetism.

Think about it!

Have a Go!

Using two bar magnets, see what happens when you put the two blue ends together, the two red ends together and then a blue and a red end together.

Can you think of any magnets used at home?



Exploring Magnets

Here is a bar magnet: Label the magnet.



Pre	edict what will happen when you put the ends together.
_	
_	
No	w test your predictions and in detail, explain what happened.
٩ns	wer these questions.
1.	What does attract mean and what force can you see?
2.	What does repel mean and what force can you see?

Is It Magnetic?

In the prediction column below write whether you think each object will be attracted to a magnet or not. Test the objects with a magnet and fill in the results column.

Object	Prediction	Test Result
fork		
knife		
spoon		
'copper' coin		
'silver' coin		
pencil		
drink can		

	Thursday 21st May 2020	
8:30	Breakfast	
9:00	English- BBC - To publish your writing •Watch the videos and complete activities.	https://www.bbc.co.uk/
10:00	Maths-BBC— Convert a decimal into a fraction. Watch the videos and complete activities.	https://www.bbc.co.uk/ bitesize/dailylessons
11:00	Break Time	
11:30	Quiet Reading •Read a reading book or log onto http:// www.scholasticlearningzone.com	Check your Purple Mash email for your log in details.
12:00	Lunch- This time may depend on your parents, therefore it might change slightly.	change slightly.
13:00	Religious Education •This lesson is not on Bitesize	
14:00	Additional English & Maths - See our school website - Hamilton Trust Daily Tasks	ust Daily Tasks
15:30	Relax	

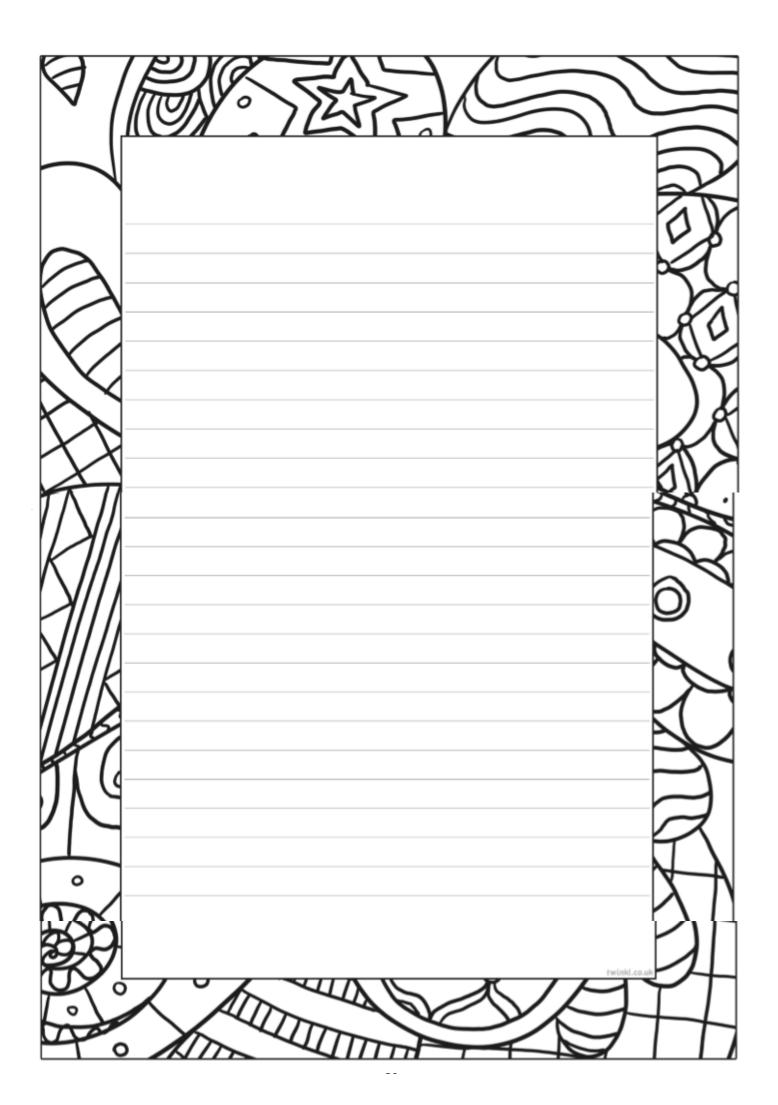
Thursday 21st May English

LI: To publish my writing.

Publish your thankyou letter to the NHS heroes remember to include all of the features from the Year 6 Checklist.

Once you have written or typed it on PurpleMash send it into school so we can send them out.

Year 6 Writing Checklist	
	Example
1) Range of sentences	Simple (The man went to the shop) Compound (The man went to be shop because he had no milk) Complex (The man, with feelings of disappointment, went to the shop)
2) Inverted commas	"You're fantastic" exclaimed the teacher.
3) Punctuation	Dashes (Tap—don't go) Brackets (additional information) Ellipses () Question marks (What are you doing?) Rhetorical questions.
4) Literacy devices	Metaphor, Simile, Personification, Repetition, Rhyme
5) Fronted adverbial	Yesterday,
6) Range of vocabulary	Synonyms (good—fantastic)
7) Range of conjunctions	Also, as well as, although, however, whereas, as, consequently



Thursday 21st May Maths

To convert decimals into fractions

https://www.bbc.co.uk/bitesize/dailylessons

Ultimate Equivalent Fractions, Decimals and Percentages Challenge

Name: Number Correct:

Time Taken: Previous Score:



Match the following decimal numbers, percentages and fractions.

0.3	50%	2 5	0.25	1/2	12.5%
0.5	40%	<u>1</u> 5	0.375	1/8	50%
0.4	70%	$\frac{7}{10}$	0.75	7 8	87.5%
0.7	20%	1/2	0.5	3 8	25%
0.9	30%	$\frac{9}{10}$	0.125	1/4	75%
0.2	90%	$\frac{3}{10}$	0.875	3	37.5%

Write the equivalent fraction (in its simplest form) to the following:

75% =	30% =	15% =	90% =	50% ≠	35% ≠
0.6 =	0.95 =	0.1 =	0.25 =	0.625 =	0.2 =
25% =	0.9 =	0.5 =	5% =	0.4 =	85% =

Write the equivalent decimal and percentage to the following:

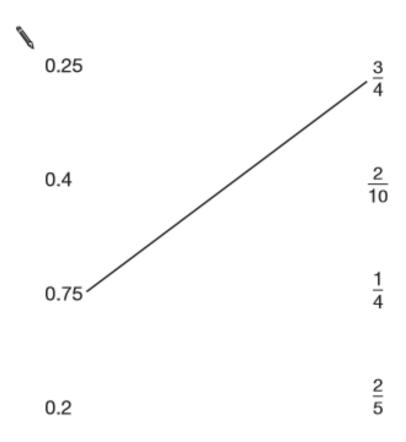
1/2 =	3 =	<u>1</u> =	<u>1</u> =
<u>4</u> 5 ≠	3 =	10 =	<u>1</u> =
7 =	2 =	5 =	7/20 =

12

Match each decimal number to its equivalent fraction.

[2006]

One has been done for you.

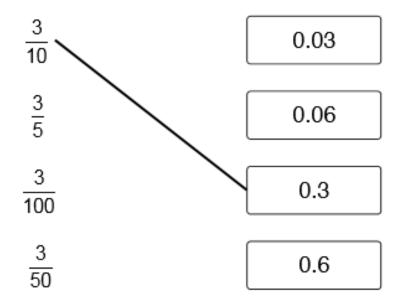


[2 marks]

15

Join each fraction to the correct decimal card.

[2014] One has been done for you.



[2 marks]

Thursday 21st May

RE— This lesson is not on the daily bitesize website.

https://www.bbc.co.uk/bitesize/guides/zk9whyc/revision/3

Watch and read the information from the website above.								
Summaries what roles and responsibilities Muslims have								

	Friday 22nd May 2020	
8:30	Breakfast	
9:00	English- BBC - Reading Lesson	
	Watch the videos and complete activities.	https://www.bbc.co.uk/
10:00	Maths-BBC— Challenge of the week Watch the videos and complete activities.	https://www.bbc.co.uk/bitesize/dailylessons
11:00	Break Time	
11:30	Quiet Reading •Read a reading book or log onto http:// www.scholasticlearningzone.com	Check your Purple Mash email for your log in details.
12:00	Lunch- This time may depend on your parents, therefore it might change slightly.	change slightly.
13:00	Music—Dynamics •Watch the video clips and complete activities.	
14:00	Additional English & Maths - See our school website - Hamilton Trust Daily Tasks	rust Daily Tasks
15:30	Relax	

Friday 22nd May English

Florence Nightingale

Florence Nightingale died in 1910 but is still remembered for being the founder of modern-day nursing.

Florence was born on 12th May 1820 in Florence, Italy. She was born into a rich, upper-class British family. The family moved to England in 1821.

Florence the Nurse

She had a strong faith and believed that God had instructed her to dedicate her life to looking after others, so she decided to become a nurse. Her mother was disappointed with her decision as

she thought that Florence should devote all of her time to becoming a mother and wife.

At the age of 33, Florence became superintendent at the Institute for the Care of Sick Gentlewomen in London, however, she only worked there for a short period of time. The Crimean War broke out in 1853; Britain, Turkey and France fought against Russia. Florence was keen to go and help when reports reached Britain about the horrendous conditions for the wounded soldiers. Along with a staff of volunteer nurses and nuns, she travelled to Scutari to do her bit.

Florence and her team found that the wounded soldiers were not receiving decent food. She also found that medicines and beds were in short supply, hygiene was poor and infections were common, in fact, more soldiers died from infections than their battle wounds. As a result of this, Florence asked the British government for help. Sewers were flushed out and the hospital was cleaned. Florence also ensured that the everyone washed their hands regularly. She bought fresh food and organised a chef to cook meals. These changes caused death rates to drop.

Did You Know?

Florence was given the famous nickname, 'The Lady with the Lamp' by the soldiers who she cared for day and night. When it was dark, she carried a lantern with her.

Florence Nightingale

Florence had a meeting with Queen Victoria. She explained all the improvements required in the Army hospitals. The Army then began training doctors and the conditions in hospitals improved.

Later in Life

At the age of 40, Florence established the Nightingale Training School to train nurses. She spent the rest of her life trying to improve health standards and wrote over 200 books and leaflets on hospital planning. Some of these ideas helped influence practices which are still in existence today.

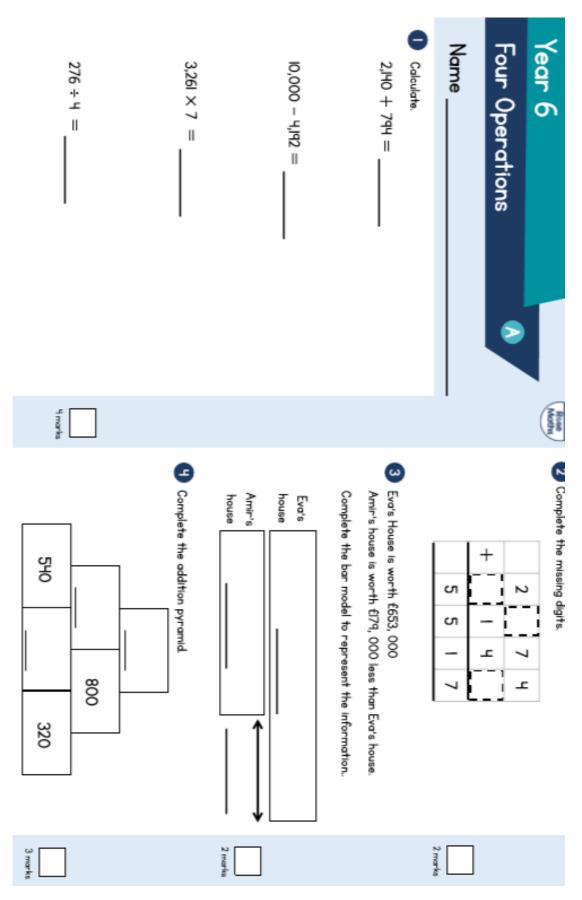
In 1883, Florence received the Royal Red Cross by Queen Victoria. She died in London on 13th August, 1910.

Questions

Why do you think she was given the name Florence?
Why did she decide to become a nurse?
Why did she only work at the Institute for the Care of Sick Gentlewomen for a short period of time?
Explain why Florence felt the need to go and look after the wounded soldiers.
List four things that were wrong with the hospital.
During the Crimean War Britain was at war with France and Russia. Britain was at war with Germany. Britain was at war with Turkey. Britain, France and Turkey were at war with Russia.

7.	What was the name of Florence's school for nurses?	
	 Nightingale Nurses Nightingale Training School Florence's Nursing School Florence's School for Nurses 	
8.	Which monarch did Florence talk with about the conditions in the army hos	pitals?
	□ Queen Elizabeth I □ William IV □ Queen Victoria □ George III	
9.	What does the following statement tell us about Florence as a person?	
	She spent the rest of her life trying to improve health standards and wrote o and leaflets on hospital planning.	ver 200 books
ı	ink the statements to 'true' or 'false'. If a statement is false, write the correct	statement.
	Florence was born on the 21st May.	
	She was known as 'The Lady with the Lamp'.	_
	She was born into a very poor family.	True
	Florence was reluctant to help the soldiers.	- 1
	Hospitals improved when the army began training doctors.	False
	Florence received a prestigious award from Queen Victoria.	
	Corrected statements:	

Friday 15th May Maths BBC Maths Challenge



÷ 6 = 444 ÷ 12	8 × 6 = 4 ×	Complete the missing numbers.	How many more pencils are needed to make another full pack?	full packspencils left over.		6 Pencils are put into packs of 24 There are 3,608 pencils. How many packs of pencils can be made?		She gets a remainder of 7 Explain how you know Army is incorrect.
I mark	Imark	rvark		- mark			mark	
I 2 3 Ч 5	Circle how confident you feel with four operations.	pens			There are 5 times as many pens in box A than box B. Tom moves 76 pens from box A to box B. Both boxes now have the same number of pens. How many pens are in box A now?	kg		H boxes weigh 292 kg. H boxes and 7 bags weigh 656 kg. How much does one bag weigh?
		2 marks				2 marks		

Friday 22nd May Music Log on to charanga and practise s song.

