Home Learning

YEAR 6

Week 6

Dear Parent/Carer,

This is the final week of the half term – you've made it!

For the past six weeks you have been doing an absolutely incredible job of being both parent/carer and teacher; we know that for many of you these roles have been juggled alongside trying to complete your own work from home or being managed alongside your working hours. Thank you for everything that you have done and that you continue to do to support your child's learning during this time.

It has been wonderful to see the children online via our weekly Zoom sessions – we are all missing the children terribly and so being able to see them on the screen has certainly brought smiles to the faces of both staff and children in school.

Alongside our Zoom sessions, which are receiving brilliant attendance levels, we continue to maintain an excellent level of engagement through completed work packs being brought into school and through wonderful pieces of work and photographs being emailed to us daily. We couldn't be more proud of not only the children but of all of our families who are working together to make the very best out of the situation that we are all in.

At the end of this week, please make sure that you completely 'switch off' from home learning for half term and that, as a family, you enjoy some quality time together away from your classrooms at home. We hope that you all enjoy a well-deserved rest and that you and your families remain safe and well.

Thank you for your continued support,

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/UCAxW1XT0iEJo0TYlRfn6rYQ

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
alphabet				
alphabetically				
amphibian				
apostrophe				
autograph				
biography				
decipher				
dolphin				
geography				
photograph				
pharmaceutical				
arachnophobia				
agoraphobia				
claustrophobia				
diaphragm				

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

After _____

When _____

Before _____

pharmaceutical claustrophobia alphabet alphabetically autograph dolphin arachnophobia agoraphobia biography geography photograph decipher apostrophe amphibian diaphragm

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

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

08.02.21

Literacy		
	Activity Description	Resources
1	**Reading Comprehension** 1. Read the narrative text: 'The Depths'. *Remember to highlight any unfamiliar vocabulary or phrases as you are reading the text.* ***We will answer the questions in tomorrow's lesson.*** 2. Use a dictionary to find the definition of the following vocabulary: wrench contraptions fabled tinker gratitude eerie	*Reading text is on the following pages.* *https://www.dictionary.com/*
2	**SPaG** Complete the set activity on Learning by Questions.	https://www.lbq.org/ ***The activity code will be sent via Marvellous Me this morning.***

The Depths

Rusted rivets hissed and howled under immense pressure. Droplets of water dripped down the inside of the curved walls. Judd spun on his chair and snatched up a wrench. So far, the vessel had held up just fine. He knew he was pushing it beyond anything he had tried before. It was his only choice, and he knew it. Francois DuBois was just waiting for him to fail.

Ever since he was a child, Judd Hoolihan had explored. His mother been raised in a wealthy house and had made the most of her family's vast fortunes. She'd spent it all building some of the most amazing contraptions the world had ever seen.

Her steam-powered robots had been the talk of the town at the Great Exhibition. Judd remembered joining her one day and marvelling at the wonders of the age. Clockwork men had stuttered and stumbled around the hall, providing refreshments for the guests. All the while, his mother's men danced and performed circus tricks. She'd smiled with a faraway look as one of her creations leapt through a flaming ring.

Judd had often spent days in his mother's workshop. He loved to watch her tinker. The smells of coal and steam filled his dreams. Now, it was his time to show the world what the Hoolihan's could do.

Queen Victoria's officials had discovered an ancient text somewhere in the Empire. It revealed the location of the fabled Lost City of Atlantis. If the historians were reading the language correctly, then there were thousands of gold bars buried underneath the ocean. The first man to recover it would win the gratitude of Her Majesty. Judd wanted to be that man. But so did Francois DuBois!

Judd's machine had been ready first, so he'd had a head start. Now, he was descending rapidly to the bottom of the deepest part of the Atlantic Ocean. There was no way of steering the small brass orb, he just had to hope he'd dropped at the right point. Once he reached the bottom, he would step out in a suit built of the toughest metals he could find. The small steam engine on board would continue to pump clean air so that he could breathe.

Eerie darkness gripped the snug cabin as he sank. All of the Queen's experts had told him he was mad. There was a chance he would drop through the bottom of the ocean and into the core of the Earth, they'd

said. He doubted it.

He'd fitted circular windows to allow him to see what was out there. Each one was only a few inches across and an inch thick. All he could see in the darkness were ghostly white eyes.

Suddenly, the ship crashed to a halt. Clouds of sand billowed up and obscured the view. The metal groaned and creaked. With a deep breath, Judd slipped into the suit. He dropped into the airlock at the bottom of the sphere. Somewhere out there was a lost city and his fortune. There was only one way to get it.

INFERENCE FOCUS

1. How is Judd feeling in the first paragraph?
2. Who inspired Judd to be an adventurer?
3. What is Judd trying to achieve on his mission?
4. Does Judd trust the Queen's advisors? How do you know?
5. How is Judd feeling when he lands? How do you know?

VIPERS QUESTIONS

R Why did Judd have a head start on DuBois?

S How will Judd be able to breathe underwater?

R What is Judd's surname?

V Find a word that describes something as floating up in clouds.

V Find an example of personification within the text.

Curriculum Activities		
	Activity Description	Resources
1	**French** *Last week we learnt about the different rooms in a house. Now we are going to look at the things you might have in your bedroom.* 1. Use the link to learn about items in your bedroom. 2. Draw a picture of your bedroom and label it in French. 	https://www.youtube.com/watch?v=tXD3AEW89Do
2	**PE** *This week we are going to complete the online skipping workouts set by the instructor from Skip2Bfit, who visited our school earlier this year.* **If you don't have a skipping rope at home, you can collect one (for free!) from the office at school.** Keep track of your score on the score sheet and let us know what you achieve each session. *Who can get the highest score in Year 5/6?*	https://www.youtube.com/watch?v=aQCJo_Qgo0c&feature=youtu.be

Maths

5-a-day

1. 3.3 + 2.197
2. $1\frac{5}{11}$ - $\frac{10}{11}$
3. 3373 x 95
4. 92, 961 + 8, 472
5. 832 ÷ 13

This week we'll be looking at **converting units of measurement.** Remember not to worry if anything seems tricky at first this week. Watch any video clips provided - 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.

Measurement: Metric Units

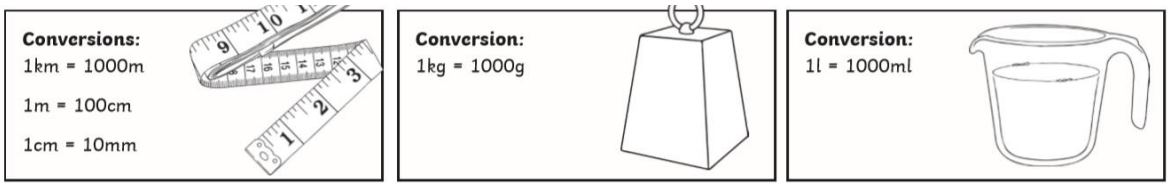
Today we're focusing on converting metric units. We'll be going over a few things we needed to look at in Year 5 as well as new learning from Year 6. Can you find something around the house that weighs 1 kilogram? What about something that weighs 500 grams? Have a look in the kitchen for measuring jugs. Can you see how many millilitres are needed to make 1 litre? Remember that we use abbreviations when working with units of measurement (m = metre, km = kilometre, g= gram, kg = kilogram, ml = millilitre, l = litre).

1. Complete these sentences:

There are _____ g in 1 kilogram.
There are _____ mm in 1 centimetre.
There are _____ cm in 1 metre.
There are _____ m in 1 kilometre.
There are _____ ml in 1 litre.

2. Watch this clip to learn about how to convert between the units and work through the practise questions: https://vimeo.com/428002669
   There are also some examples here: https://www.bbc.co.uk/bitesize/articles/z6ftjsg

3. Work through the practise questions on the following page.



Extra challenge:

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

Length

a. 6.124km = _____m

b. 9.34km = _____m

c. 14.9m = _____cm

d. 11.9cm = _____mm

e. 12 500m = _____km

f. 78cm = _____m

g. 10 000cm = _____m

h. 114mm = _____cm

Mass

a. 13.16kg = _____g

b. 8.07kg = _____g

c. 12.1kg = _____g

d. 9.76kg = _____g

e. 11 670g = _____kg

f. 6200g = _____kg

g. 350g = _____kg

h. 7g = _____kg

Volume

a. 10.5l = _____ml

b. 8.29l = _____ml

c. 13.45l = _____ml

d. 9.9l = _____ml

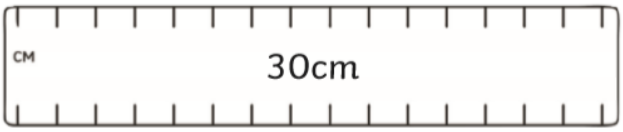
e. 2600ml = _____l

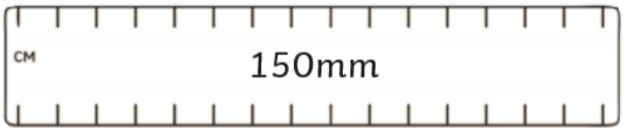
f. 60ml = _____l

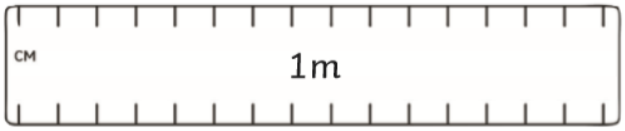
g. 9235ml = _____l

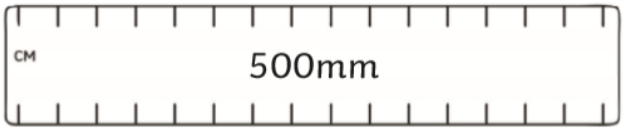
h. 10 001ml = _____l

Order these rulers from shortest to longest:

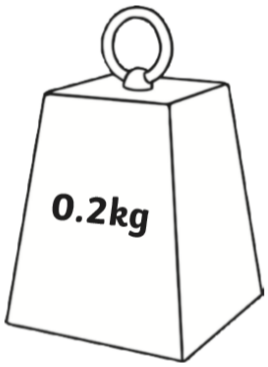


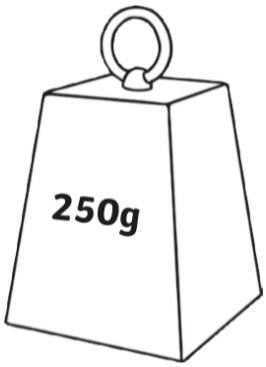


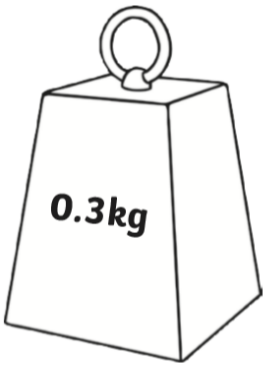


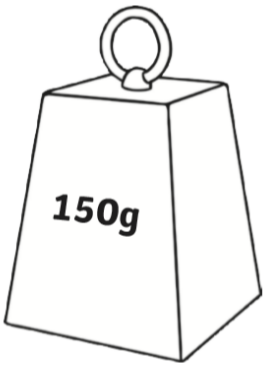


Order these weights:









TUESDAY

09.02.21

Literacy		
	Activity Description	Resources
1	**Reading Comprehension** 1. Complete the comprehension questions on the narrative text: 'The Depths'. *Remember that some questions may require a more detailed answer and for this you may need to include evidence from the text.*	*'The Depths' narrative text from previous lesson.*
2	**SPaG – Boggle** *Boggle is a spelling game where you are required to spell words out of the random letters provided.* Make as many words as you can out of the following letters:  *The letters do not have to be next to each other for you to be able to use them.* *You could challenge members of your family to see who can make the most words or challenge yourself by setting a certain amount of time to play (e.g. as many words as possible in 1 minute).*	*You can also play an online version of Boggle at:* *https://www.boggle.online/*
3	**Accelerated Reading** Select a book to read in your free time and take the quiz on Accelerated Reading. *How many quizzes can you do this week?*	*Please use the following link to access Accelerated Reading:* *https://ukhosted77.renlearn.co.uk/2234253/*

Curriculum Activities		
	Activity Description	Resources
1	**ICT – Safer Internet Day** *Today is 'Safer Internet Day' so we're going to be reminding ourselves about how to use the internet responsibly and how to create a safer internet experience for everyone.* 1. Explore the Safer Internet Day website to read about the aim of this year's campaign. 2. Watch the What Can You Trust Online video. *Can you spot the fake facts? Are you able to spot fake news on the internet? What do you do if you think something you're seeing or reading is fake?* 3. Complete the activity below by connecting activities you do at school with similar things online. *Remember, many of the things that we do in the "real world" to keep safe are things that we should be doing online too.*	*Safer Internet Day Website:* *https://www.saferinternetday.org/* *What Can You Trust Online?* *https://www.saferinternet.org.uk/safer-internet-day/safer-internet-day-2021/i-am-educator/safer-internet-day-films/films-5-11-year*

A Activities at school	B Activities you do online
1. locking the bathroom door	**a.** reading fake news
2. playing with your friends outside	**b.** using a search engine to look for interesting information online
3. listening to gossip	**c.** using a password to lock your phone or account
4. listening to the point of view of others	**d.** standing up for someone being bullied online
5. drawing pictures and creating things	**e.** playing online games
6. knowing how to spend your time usefully	**f.** texting with your friends
7. going to the library to look things up	**g.** treating people with respect online
8. standing up for someone that kids are making fun of	**h.** taking care of your own and everyone else's private information
9. having a conversation with your friends	**i.** listening to and sharing opinions with others
10. speaking politely to your teacher and classmates	**j.** taking time out from online activities to play outdoors
11. not shouting out private information to everyone	**k.** being your true self on your online profile
12. being yourself in your daily life	**l.** using online tools to create things

Maths

5-a-day

1. 4, 312 - 505
2. 324 x 76
3. 89, 712 + 939
4. 7, 392, 489 = 7, 000, 000 + _____ + 90, 000 + _____ + 400 + ____ + 9
5. 0.9 ÷ 100

Measurement: Imperial Units

In Britain, both metric and imperial units are used so we need to know how to convert between the two systems of measurement. Common imperial units that we use are; inches, pounds (lbs), pints and miles.

1. Do some research and make a list of things we still use imperial units to measure. Why do you think we still use imperial measures?

   One inch is approximately 2.5 centimetres
   1 inch ≈ 2.5 cm

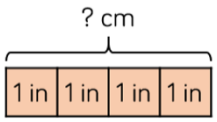
   *Note how we don't use the = sign because these conversions are approximations and not exact.

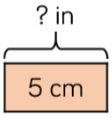
2. Watch the clip to see how to convert between imperial and metric units. Work through the practise questions on the video: https://vimeo.com/436507629

3. Complete these conversions:

One inch is approximately 2.5 centimetres
1 inch ≈ 2.5 cm

Use the bar models to help with the conversions.





16in ≈ ☐ cm
15in ≈ ☐ cm
33in ≈ ☐ m

10cm ≈ ☐ in
1cm ≈ ☐ in
5.5m ≈ ☐ in

1 kilogram is approximately 2 pounds
1 kg ≈ 2 lbs

Use this information to complete the conversions.

2 kg ≈ ☐ lbs
☐ kg ≈ 22 lbs
5 kg ≈ ☐ lbs
55 kg ≈ ☐ lbs

There are 568 millilitres in a pint.
How many litres are there in:

2 pints | 5 pints | 0.5 pints

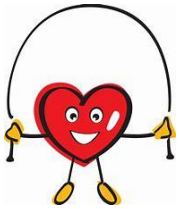
Extra challenge:

Have a go at this problem solving and reasoning challenges from NRICH:
https://nrich.maths.org/6055

WEDNESDAY

10.02.21

Literacy		
	Activity Description	Resources
1	**Writing - Poetry** *This week we are going to produce pieces of poetry based on the theme of Space.* *You may want to write: a poem about each different planet (or just about your favourite planet), a poem about an adventure in space or even a poem about what life may be like in the future.* *Today, we are going to look at an acrostic poem.* 1. Use the BBC Bitesize link to learn more about what an acrostic poem is. 2. Create an acrostic poem on the theme of space. *Your poem does not have to spell out 'SPACE' – you can choose whatever word you like.* *You could do one for each of the different planets if you are feeling in a super hard-working mood!*	*https://www.bbc.co.uk/bitesize/topics/z4mmn39/articles/ztdvw6f*
2	**Accelerated Reading** Select a book to read in your free time and take the quiz on Accelerated Reading. *How many quizzes can you do this week?*	*Please use the following link to access Accelerated Reading:* *https://ukhosted77.renlearn.co.uk/2234253/*

Curriculum Activities		
	Activity Description	Resources
1	**Science – Defying Gravity** *During our learning about space, we've begun to discuss the force of gravity. We'll be looking at forces more closely next half term. To begin understanding how forces work – let's try to defy gravity today!* 1. *What do you already know about how gravity works?* Write down what you think you already know about gravity. 2. Use the BBC Bitesize link to learn more about what gravity is. 3. Use the link to see how you can defy gravity with a wine glass (or a glass with a long stem) and a small ball (a marble would work well). **Please have an adult assisting you whilst you try this.** 4. Write up an explanation of how the ball was able to stay in the glass and not fall out immediately.	 https://www.bbc.co.uk/bitesize/topics/zf66fg8/articles/zqbm3k7 https://www.youtube.com/watch?v=6OyvxY8z3cA
2	**PE – Skip2BFit Challenge** *We're going to continue with our Skip2BFit challenge today.* Complete workout 2 and record your score. You can e*mail your best scores to us via the year group emails.* 	 https://www.youtube.com/watch?v=tYM14jJ4rUc&feature=youtu.be

Maths

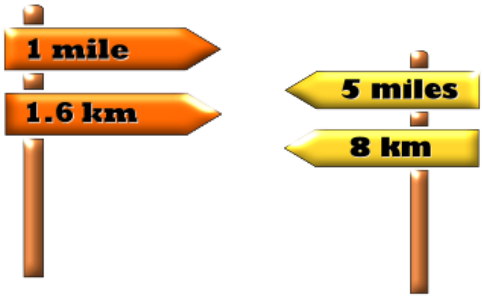
5-a-day

1. 100 (45 ÷ 9)
2. 15 x 6.3
3. 65, 022 - 3,438
4. $1^2 + 50$
5. $\frac{3}{18} + \frac{1}{3}$

Measurement: Miles and Kilometres

Distance is usually measured in miles in Britain but some things can be measured in metres and kilometres. It's important that we can convert between the two.

1. Remember this information: **1 mile is approximately 1.6 kilometres**. People also like to use the knowledge that **5 miles is approximately 8 kilometres**.



2. Watch the clip to see how to convert between miles and kilometres: https://vimeo.com/428002822

3. Complete the activities on the following page.

Extra challenge:

Complete the miles to kilometres conversion quiz on www.lbq.org. The code will be sent via Marvellous Me on Wednesday morning.

5 miles ≈ 8 kilometres

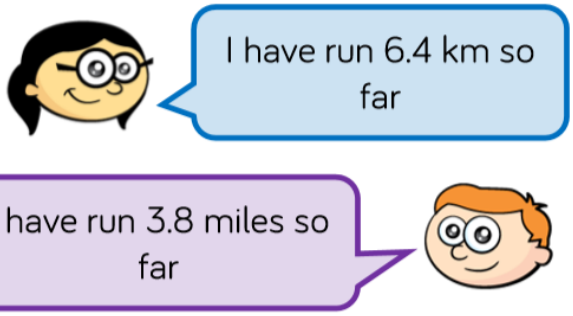
Use this fact to complete:

- 15 miles ≈ _____ km
- 30 miles ≈ _____ km
- _____ miles ≈ 160 km

- 2 miles ≈ _____ km
- 4 miles ≈ _____ km
- 0.5 miles ≈ _____ km

In the United Kingdom, the maximum speed on a motorway is 70 miles per hour (mph).
In France, the maximum speed on a motorway is 130 kilometres per hour (km/h).
Which country has the higher speed limit, and by how much? Give your answer in both units.

Ron and Annie are running a 5 mile race.



Who has the furthest left to run?

THURSDAY

11.02.21

Literacy		
	Activity Description	Resources
1	**Writing - Poetry** *Today we are going to look at limericks – we are sure that you will have lots of fun writing these!* 1. Use the link to BBC Bitesize to learn more about limericks. 2. Create a space-theme limerick. *You could choose to write your limerick down or record yourself saying it out loud – we'd love to see your videos!*	*https://www.bbc.co.uk/bitesize/topics/z4mmn39/articles/zw3yw6f* *You may want to start with:* *There once was a planet called Mars,*
2	**SPaG** Complete the set activity on Learning by Questions.	https://www.lbq.org/ ***The activity code will be sent via Marvellous Me this morning.***

Curriculum Activities		
	Activity Description	Resources
1	**RE: Buddhism** *Today we're going to look at the Buddhist celebration of Wesak.* 1. Use the link to access information on Wesak and find the answer to these questions: - *What does Wesak day celebrate?* - *When is it celebrated?* - *Name two ways Buddhists celebrate this day.* - *What decorations are used to celebrate Wesak day?* 2. Follow the instructions below to make and decorate your own Wesak lantern. *Don't forget to send us pictures via email to show us your finished creations!*	*https://www.bbc.co.uk/bitesize/topics/zh4mrj6/articles/zbsp92p*
2	**Geography** Complete the set activity on Learning by Questions.	https://www.lbq.org/ ***The activity code will be sent via Marvellous Me this morning.***

Maths

5-a-day

1. _____ - 1,396 = 6,554
2. 700 x 30
3. 4,008 ÷ 19
4. $\frac{2}{7}$ x $\frac{8}{9}$
5. 2 – 0.86

Measurement: Imperial Units

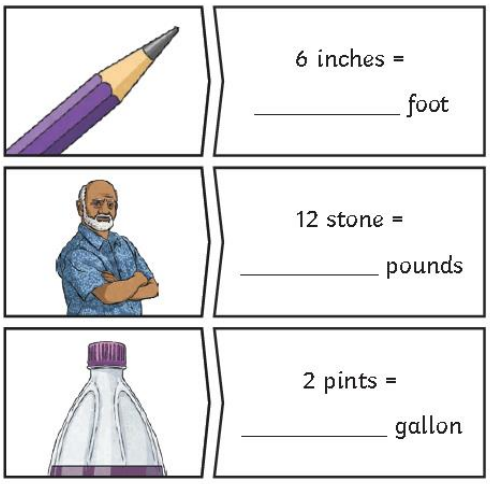
We're going to explore converting imperial units a bit further today. We're now going to look at how to not only convert between imperial and metric but how to convert between different imperial measurements as well.

1. Work through the following questions.

1) Use the table to convert between these measurements.

1 foot	=	12 inches	3 feet	=	_____ inches
1 pound (lb)	=	16 ounces	_____ pounds	=	64 ounces
1 stone	=	14 pounds	6 stone	=	_____ pounds
1 gallon	=	8 pints	_____ gallons	=	16 pints
1 inch	≈	2.5cm	8 inches	≈	_____ cm

2)



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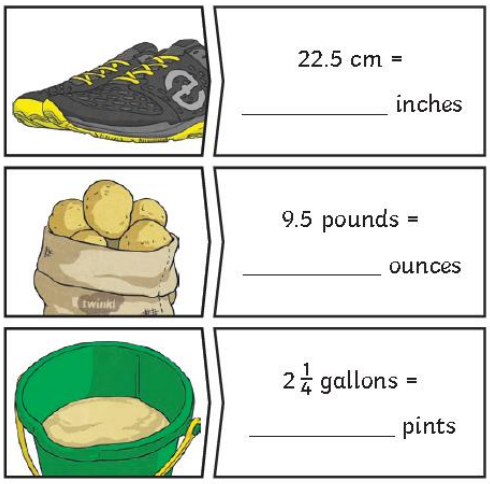


Extra challenge:

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

FRIDAY

12.02.21

Literacy		
	Activity Description	Resources
1	**Writing – Poetry** *Today we are going to write a narrative poem – these are longer poems which tell a story.* *Your poem will need to include verses and you will need to decide on the pattern for your rhyming words (e.g. in a 4 line verse, the words at the end of lines 2 and 4 will rhyme).* 1. Use the BBC Bitesize link to learn more about narrative poems. *If you need some inspiration for your poem, there are lots of poems online that you can read. Use the link provided to access examples of space-themed poetry.* 2. Write a narrative poem about space. *This could be about life in space, about an adventure in a rocket or even about exploring a new world in space.*	*https://www.bbc.co.uk/bitesize/topics/z4mmn39/articles/z3btrwx* *http://www.rainydaypoems.com/poems-for-kids/space-poems*
2	**Accelerated Reading** Select a book to read in your free time and take the quiz on Accelerated Reading. *How many quizzes can you do this week?*	*Please use the following link to access Accelerated Reading:* *https://ukhosted77.renlearn.co.uk/2234253/*

Curriculum Activities		
	Activity Description	Resources
1	**Device-Free Friday** *We understand that a lot of your learning is having to take place online at the moment and that means you are spending a lot of time looking at screen so, this afternoon we would like you to enjoy ‘Device-Free Friday’.* *Spend time today doing activities as a family or spend some quality time doing an activity that you enjoy by yourself.* *Here are some ideas:* • Baking – *you could make some space-themed cakes or biscuits for your family to enjoy.* • Go for a long walk – *you could plan the route or create an activity to do along the way (we love a good scavenger hunt!).* • Art and craft activities • Reading • Model building – *can you make a rocket out of lego? Could you build a space-themed sculpture in your garden?* • Valentine’s Disco – *we won’t be able to have a disco at school this year so maybe you could organise one for your family instead! Make some decorations, choose the music and show off your best dance moves!* *We would love to see and hear about what you get up to so don’t forget to email us!*	

Maths

5-a-day

1. _____ x 100 = 62, 150
2. $1\frac{4}{7} + 3\frac{2}{5}$
3. 131 x 0 =
4. 489, 289 – 320
5. 40% of 120

Measurement – Converting Between Units Recap

Today we're going to use all the knowledge that we've learnt this week to complete a variety of conversion activities. If there's anything you're not feeling 100% confident about, go back and re-watch clips from earlier in the week.

Complete the conversions.

1 m = _____ cm

1 litre = _____ millilitres

3 cm = _____ mm

Compare the measurements using <, > or =

0.5 litres ◯ 0.5 millilitres

0.21 kg ◯

205 g

1 pound = 16 ounces
1 stone = 14 pounds
Alex weighs 5 stone. How many ounces does Alex weigh?

_____ ounces

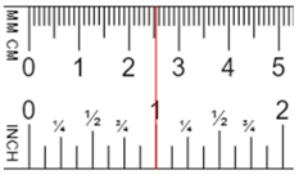
Complete the sentences.

100 cm is the same as _____ m.

1 kg is the same as _____ g.

2.6 litres is the same as 2 litres and _____ ml.

1 inch ≈ 2.54 cm
Use this to complete the conversions.



10 inches = _____ cm

_____ inches = 50.8 cm

5 inches = _____ cm

Mo cuts a piece of ribbon.
First he cuts a length of 25 cm.
Then he cuts a length of 1.45 m.
He now has 56 cm left.

How much ribbon did he have at the start?
Give your answer in metres.