HILL WEST Primary

FOUR OAKS

Home Learning Pack

Year 4

Spring term week 3

Home Learning Links

Oak National Academy
Oak National Academy is an online classroom and resource hub. It provides high-quality video lessons and resources to support teachers, parents and pupils.
www.thenational.academy

BBC Bitesize
With BBC Bitesize it is easy to keep learning at home. You can access regular daily lessons in English, maths and other core subjects.
https://www.bbc.co.uk/bitesize

Phonics English Hubs
Online phonics lessons for the Letters and Sounds phonics programme.
https://www.wandleenglishhub.org.uk/lettersandsounds

World Book Online
World Book online have just made their fabulous collection of over 3,000 e-books and audiobooks available for free for children to access at home. They have books suitable for all ages. Click on the following link to access them.
https://worldbook.kitaboo.com/reader/worldbook/index.html?usertoken=Mjk5MzQ6MTpJUjA5MjAxNjoyOmNsaWVudDE2OTc6MTY5NzoyMjE2Mjg4OjE6MTU4NDM4MDExMzA2Mjp1cw%3D%3D

Read Works.org
Read Works offers access to 3000+ comprehension for all age groups. Just sign up for a free account to access fantastic texts.
https://www.readworks.org/

Beanstalk
Beanstalk website is packed with lots of interactive materials for children aged 1 to 6. They are offering free access to all families during the COVID-19 pandemic.
https://beanstalk.co/

Tutortastic
An online platform with tutorials and videos for home learning.
https://www.tutortastic.co.uk/blog/homelearning

Education Quizzes
A series of short quizzes for children to complete related to the National Curriculum subjects. Just select KS1 for Reception, Year 1 & Year 2 and select KS2 for Years 3-6.
https://www.educationquizzes.com/ks1/

Top Marks
A range of activities here but especially good interactive activities for maths.
https://www.topmarks.co.uk/

Classroom Secrets
Classroom Secrets Kids is offering free access to everyone until the end of April 2020. The platform is aimed at primary aged children and covers subjects such as maths, reading, grammar and spelling. The platform is really child-friendly so that they're able to access it on their own. There are a load of games and interactive activities from phonics to SATs
https://kids.classroomsecrets.co.uk/

National Geographic
National Geographic is a great platform for learning and it's totally free. There are online games, resources and competitions, too.
https://www.natgeokids.com/uk/teacher-category/primary-resources/

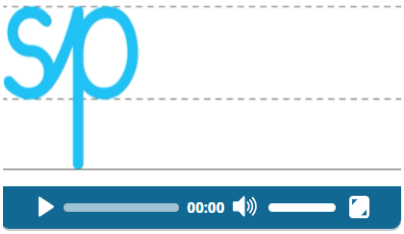
Reading Eggs
https://readingeggs.co.uk/

Handwriting

Please spend time each day practising the 'al' join as modelled below.

Remember:

- To hold your pencil/pen correctly.
- To sit on a chair and a desk with a straight back whilst practising your handwriting.



Once you are confident with the 'al' join please practise writing the following words, ensuring that all joins within the word are carefully followed.

Vocabulary

Here are two words from chapter 6 of 'Goodnight Mr Tom'.

- Precariously
- Inconspicuously

Use our vocabulary grid, a dictionary and online research to help you deconstruct each word.

Etymology:

Prefix:

Root word:

Suffix:

Word:

Opposite:

Definition:

Synonyms:

Put it in a sentence: Remember ABC

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Prefix:

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Synonyms:

Put it in a sentence: Remember ABC

English – Describing emotions of a character in the moment of tension.

https://www.literacyshed.com/the-lighthouse.html

Watch the short movie

Task:

Notice how the Lighthouse Keeper feels (his emotions) when

- He is sitting at his desk listening to the villagers
- The wind blows the candle out
- He runs up the stairs
- He finds the halted machinery
- He breaks the lamp
- The villagers appear
- They divert the ship

Here's a list of emotion words to help you

https://www.enchantedlearning.com/wordlist/emotions.shtml

Start by writing one word – the emotion that the Lighthouse Keeper is experiencing at the time - then write sentences using the words you have written (or a better synonym) ; then, as an extra challenge, try to adapt your sentences to 'show not tell'

Example:

Word – angry

Better synonym - aggravated

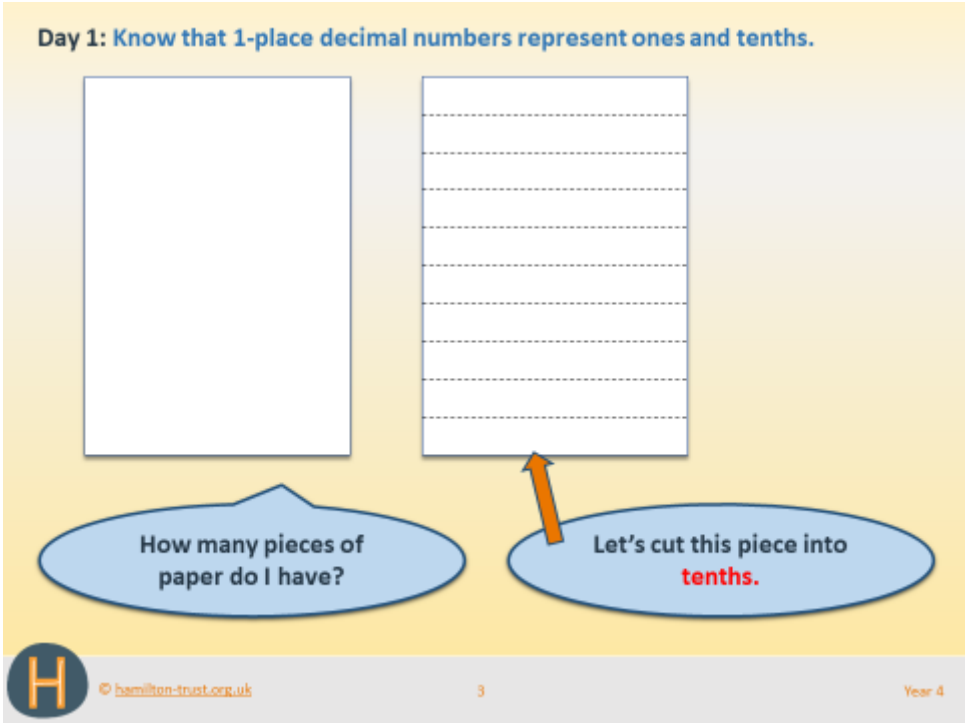
When he heard the noisy villagers he felt aggravated because they had disturbed his concentration.

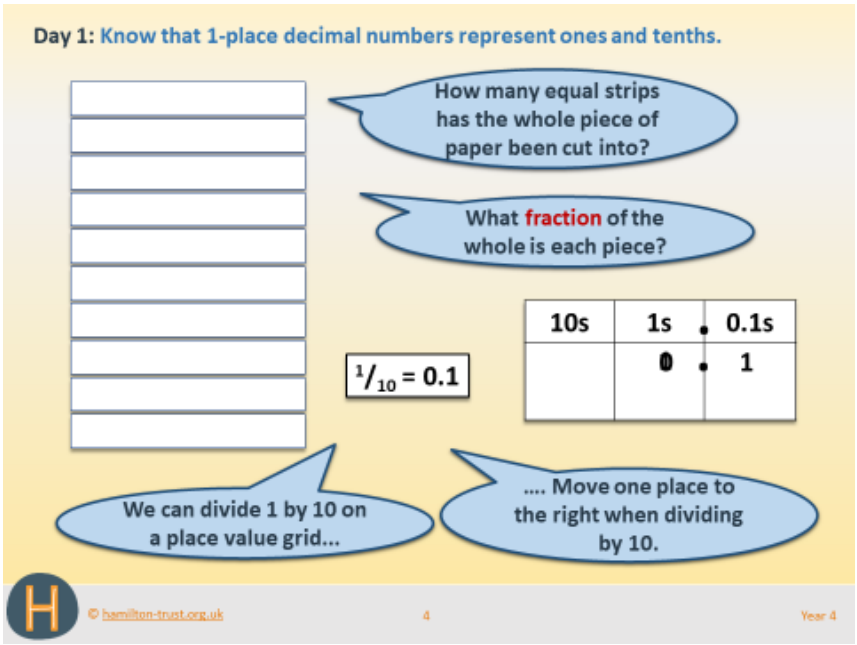
Now- try to make that a 'show not tell' sentence

Example

When the the Lighthouse Keeper heard the raucous revellers next door, he pushed the window firmly shut and grunted his annoyance.

Maths – Decimal numbers as (whole) ones and tenths

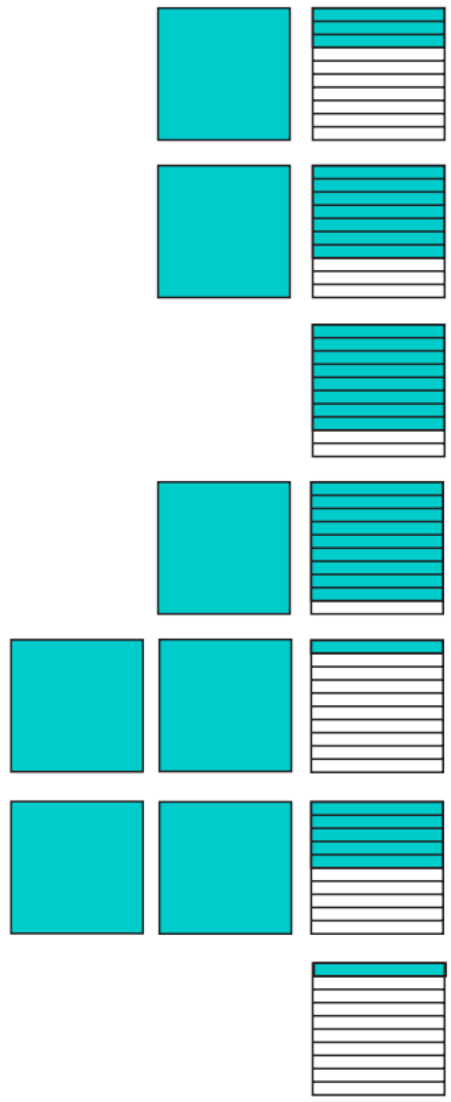




Tenths

Sheet 1

Write the decimal to go with each picture.



Challenge

Write all the numbers in order, smallest first.

Challenge: order the numbers smallest first – then reverse it to largest first.

Science (1) Making Electrical circuits

This is a link to the video that explains how electricity works – you can skip over some bit in the middle if you want to – you need to watch from the start up to 1:30 then from about 7 minutes till the end.

https://www.youtube.com/watch?v=ru032Mfsfig&vl=en

For those at home – this link will enable you to experiment at making circuits.

https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_en.html

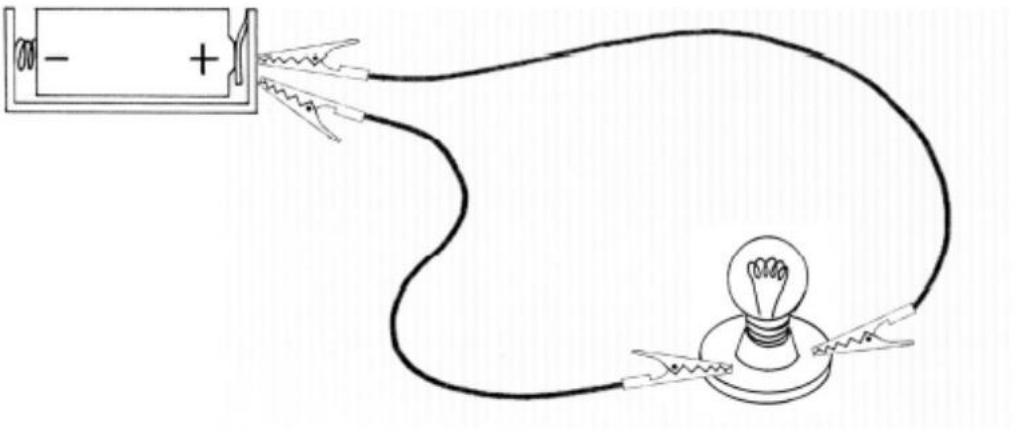
There are a number of cards below with diagrams of circuitry that you must make – the task is to predict whether current will flow and light the bulb (or not) then make the circuit (virtually) to see if you are correct.

There's also a results sheet for you to record your findings.

Card 1

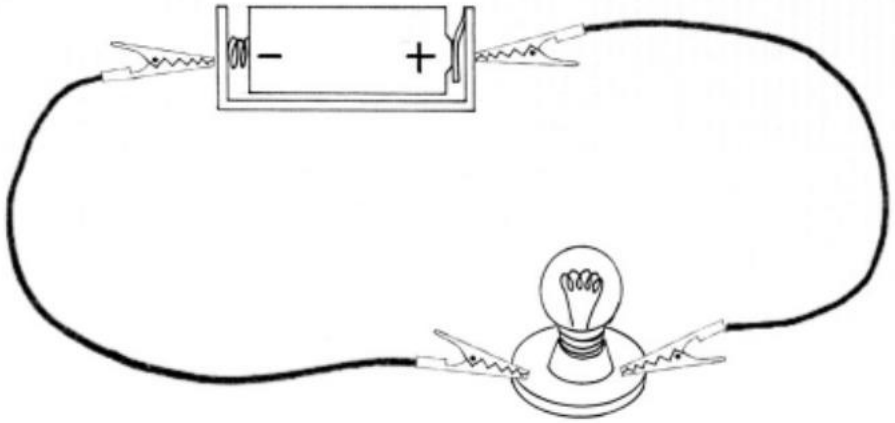
Is it a circuit? Predict then test!

Card 2



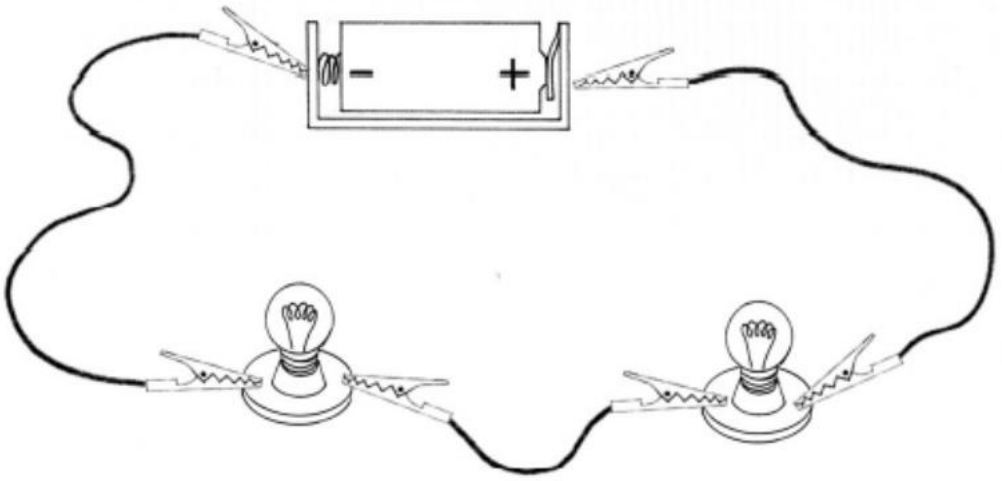
Is it a circuit? Predict then test!

Card 3



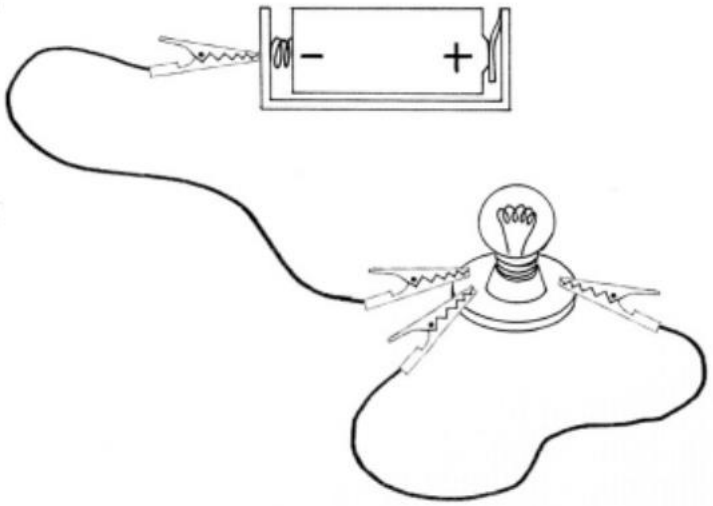
Is it a circuit? Predict then test!

Card 4



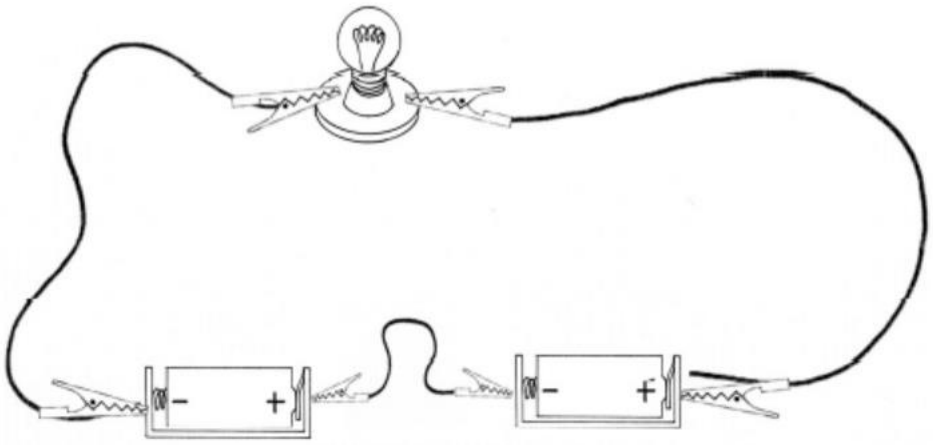
Is it a circuit? Predict then test!

Card 5



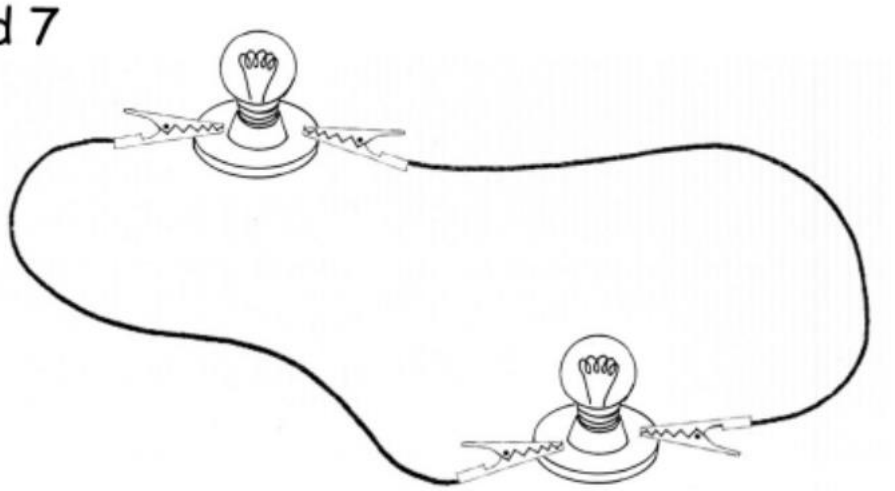
Is it a circuit? Predict then test!

Card 6



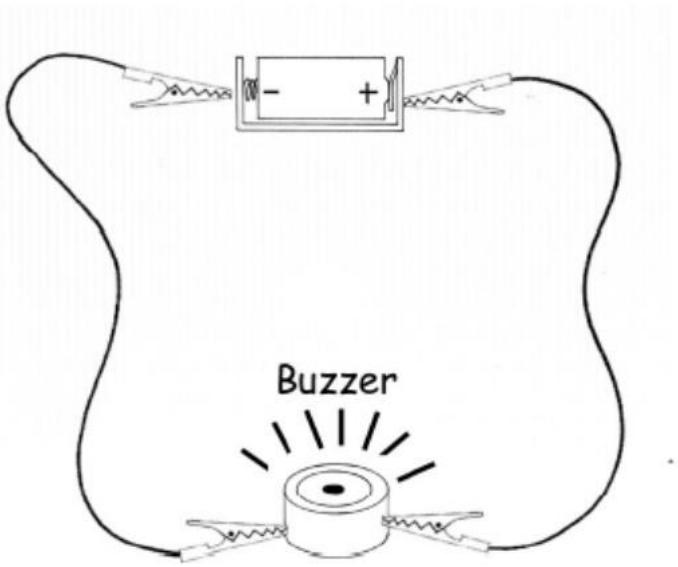
Is it a circuit? Predict then test!

Card 7



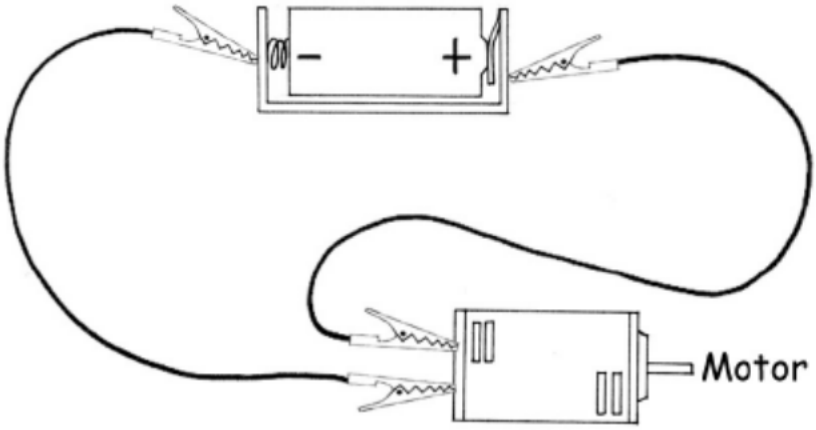
Is it a circuit? Predict then test!

Card 8



Is it a circuit? Predict then test!

Card 9



Is it a circuit? Predict then test!

Card 10

Is it a circuit? Predict then test!

I can make predictions and record my findings in a table.

Working Circuits?

Fill in the table giving a reason for your prediction, and then use a tick or a cross to indicate whether or not it is a working circuit

Circuit	Prediction	Result
1	I think the light will/will not light because	
2		
3		
4		
5		
6		
7		
8		
9		
10		

Science part 2 – Electrical insulators and conductors

This video will explain how conductors and insulators work

https://www.youtube.com/watch?v=PafSqL1riS4

Your task is :

- First to create a working circuit
- Then to place other materials in the same circuit to test whether they allow electricity to pass through.

I can make predictions and record my findings in a table.

Good Conductor?

Fill in the table giving a reason for your prediction, and then use a tick or a cross to indicate whether or not the material conducted the electricity.

Material	Prediction	Result
	I think the light will/will not light because ……..	

Spelling –

Find out the meaning of the words and write them into sentences in your book

English – Key features of a diary

Features of a Diary Entry

Uses the past tense	
Uses first person pronouns (I, we, my, etc.)	
Describes the writer's point of view, thoughts and feelings	
Includes opinions as well as facts	
Uses ambitious words to describe people and places	
Is written in an informal style, as though speaking to someone	
Uses time conjunctions to link events	
Organises events into paragraphs	
Uses inverted commas to show direct speech	

Tuesday October 1st

Well that was one of the best days ever! Today I went to an amazing waterpark on a school trip and we stayed in the swimming pools for almost the entire day! I was really excited about the trip yesterday and when we arrived I wasn't disappointed – the park was massive with slides and flumes everywhere you looked. The best bit was a kind of structure that you could climb up and walk around – there were buckets and water guns you could use to try and soak people who were underneath you.

After we had got changed and when we first got in to the pool, my friend and I headed straight for the biggest flume ride called the 'Master Blaster'. I was a little nervous about going on it because I hadn't been on anything like that before but I felt glad to be on the same rubber ring as my friend. The ride was amazingly fast and at one point, there was no light so that as you went round and round, you felt like you were travelling to the centre of the Earth. We loved it so much we kept going back to the top until we had ridden on it five times in a row.

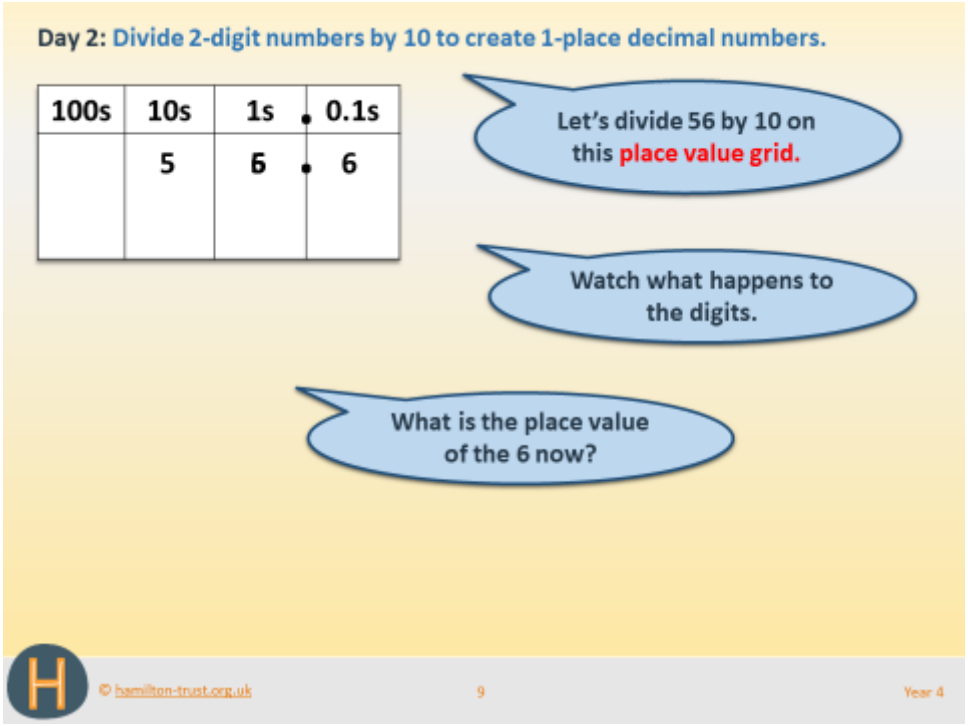
Next, we wanted to try another flume ride – one that you had to ride on your own by sitting in a yellow ring. By the time we did this, I was feeling confident about the flumes but as I sat at the top I didn't feel properly balanced in the ring. Before I knew it I was shooting down the slide and slipping off the ring at the same time. Then, as the slide turned a sharp corner, the ring slipped out from under me and I bashed my head on the side of the tube! I managed to grab the ring but I couldn't get on it again and after a couple of dodgy corners I was just glad to see the daylight of the plunge pool at the bottom. The lifeguard had seen the incident on his monitor so he got me some ice for my head and I sat there for a while watching the others come down. It put me off going on the flumes for a while, but after about 5 minutes I was ready to go again!

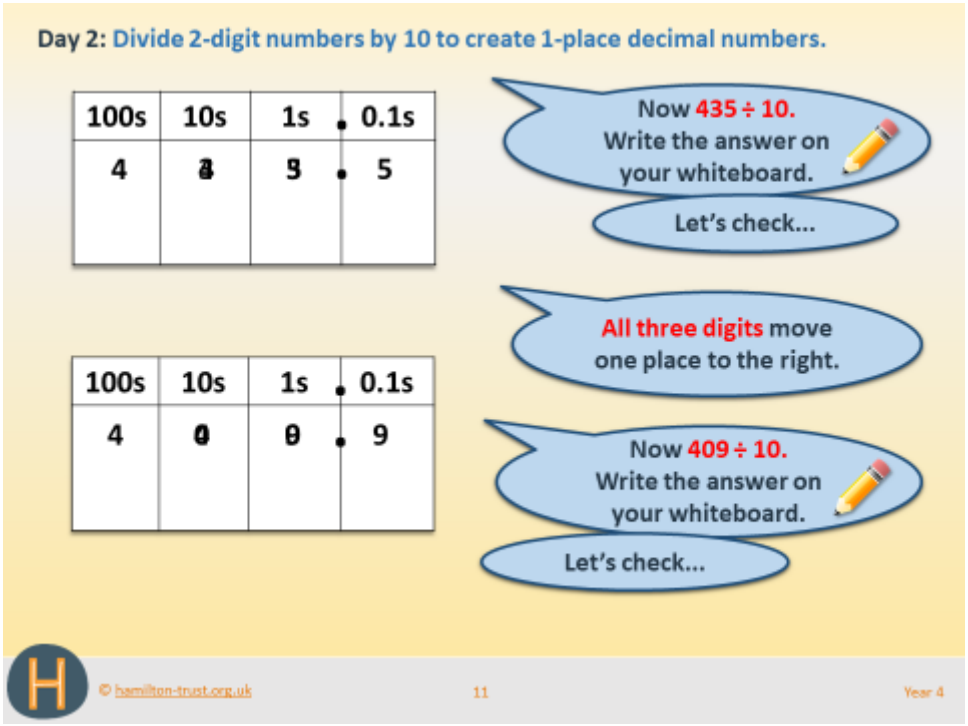
I can't wait to go back, but I must remember two key things that happen if you DO stay in a swimming pool all day – 1. Your hands will be wrinkled like a very old person's 2. You will be very tired. I am!

Task:

Read the diary entry (above) and highlight in different colours the features that you find ; create a key to show which colour is which feature.

Maths – dividing 2 digit numbers by 10 to make 1 place decimals





Dividing by 10

Sheet 1

78 ÷ 10 = ☐

39 ÷ 10 = ☐

72 ÷ 10 = ☐

31 ÷ 10 = ☐

60 ÷ 10 = ☐

85 ÷ 10 = ☐

8 ÷ 10 = ☐

345 ÷ 10 = ☐

234 ÷ 10 = ☐

☐ ÷ 10 = 6.3

☐ ÷ 10 = 9.4

☐ ÷ 10 = 3.7

Challenge

☐ ÷ 10 = 7 ☐ ÷ 10 = 10.1 ☐ ÷ 10 = 0.9 ☐ ÷ 10 = 1

practice_dec-frac_4513_day2

Challenge

Magical square decimals

1. Look at the magic square. Create a two-digit number by starting with any number on the square and moving either left or right, down or up (including diagonally).

4	3	8
9	5	1
2	7	6

43 ÷ 10 =

31 ÷ 10 =

2. Divide the number by 10 to get a one-place decimal number.

3. How many numbers between 1 and 6 can you make in this way?

How can you be certain that you have found them all?

Can you demonstrate to someone else that you have got all the possibilities?

investig_dec-frac_4513

PE

At home you can complete the 'Proper PE with Mr Dineen' lessons on YouTube.

The lessons are 30 minutes long and only require equipment that you will already have at home.

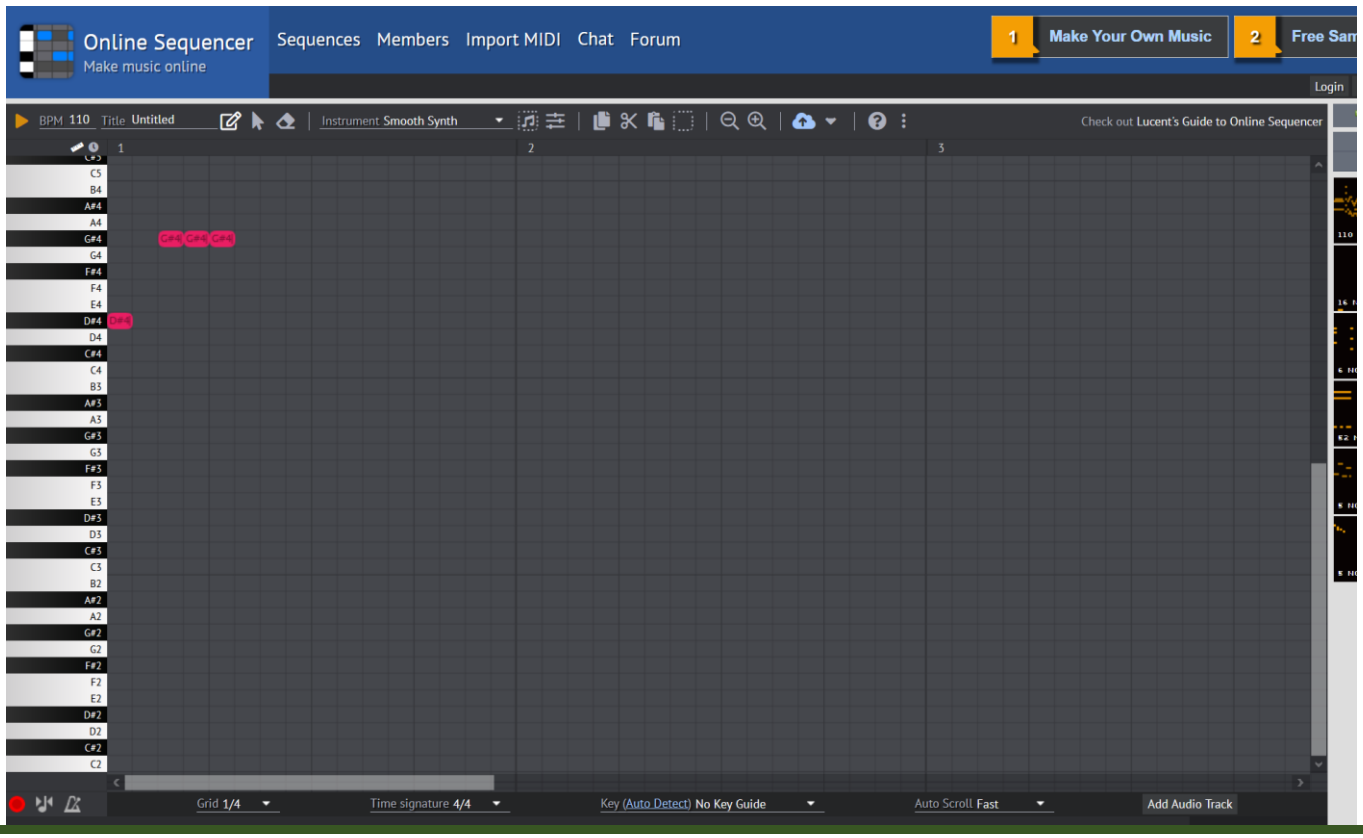
Tuesday – Lesson 3 https://www.youtube.com/watch?v=Rse7hXNa40U

Friday – Lesson 4 https://www.youtube.com/watch?v=3oTsu76JUhQ

Tuesday Computing – Online sequencing

How can we use technology to create virtual music?

https://onlinesequencer.net/



Lay down the drums, bassline, melody and musical texture
If you would like to save your project, you can click on the cloud and copy the link so that you can edit later.

Spelling
Task:
Refer to our list of 'gu' words from yesterday and decide which word completes the sentences below.

'Gu' Words Cloze Procedure

Choose the correct 'gu' word to complete these sentences.

1. I practise the _____ every day because I want to be a rock star when I'm older.
2. During the winter, we bring my pet _____ into the kitchen to keep him warm.
3. Guy Fawkes was found _____ of treason after the Gunpowder Plot.
4. When year 4 visited the Natural History Museum, they had a _____ to show them around.
5. I am very excited to be a _____ at this party.
6. I had never tasted a _____ before, but I couldn't wait to try the sweet fruit.
7. When my brother went on a school trip to France, he stayed with his _____ in their home.
8. At the school fair, I won the sweets in the jar because my _____ was the closest.
9. As he approached the museum, the robber noticed a _____ standing by the entrance.
10. I _____ that I will always try my best in all of my lessons.

English – Write a diary

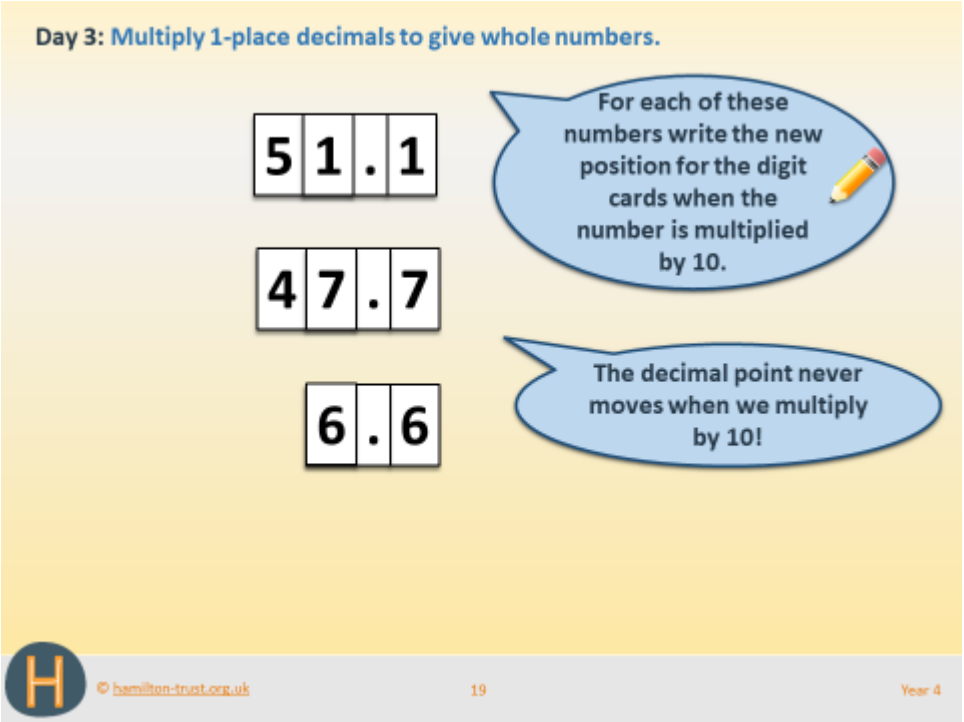
Task :

Watch the clip, then organise these events into the right order; each event will be a paragraph in your diary entry

The beaming light rotates inside the lamp room of the lighthouse, illuminating the cliffside and jagged rocks.	At the village tavern, people are gathered enjoying themselves, cheering whenever the beacon shines through the window in their direction.	The lighthouse keeper sits sullenly at his desk, irritated by the sounds of the villagers.
Suddenly, a gust of wind slams his window shut, the room is plunged into darkness and the light from the lamp room stops working.	All of a fluster, the lighthouse keeper races up the steps to check the machinery, which is not working.	He ascends more steps to the lamp room, where he attempts to fix the broken bulb, but he drops it and it smashes.
As he looks out from the tower across the angry ocean, he notices a ship veering towards the cliff.	Having seen the beacon go out, the villagers appear, to help the lighthouse keeper, with lanterns in their hands.	The ship sees the signal and is diverted away from the cliff.

On Monday, you wrote sentences to include the Lighthouse Keeper's emotions at various points in the movie clip. Today, you will include them in the Lighthouse Keeper's diary. Please watch the clip again and write his recount of the events up to where he sees the ship veering toward the cliff; you'll write the rest tomorrow.

Maths – Multiply one place decimals to make whole numbers



Multiplying by 10

Sheet 1

3.6 x 10 = ☐

0.6 x 10 = ☐

4.5 x 10 = ☐

☐ x 10 = 4

2.7 x 10 = ☐

23.5 x 10 = ☐

☐ x 10 = 81

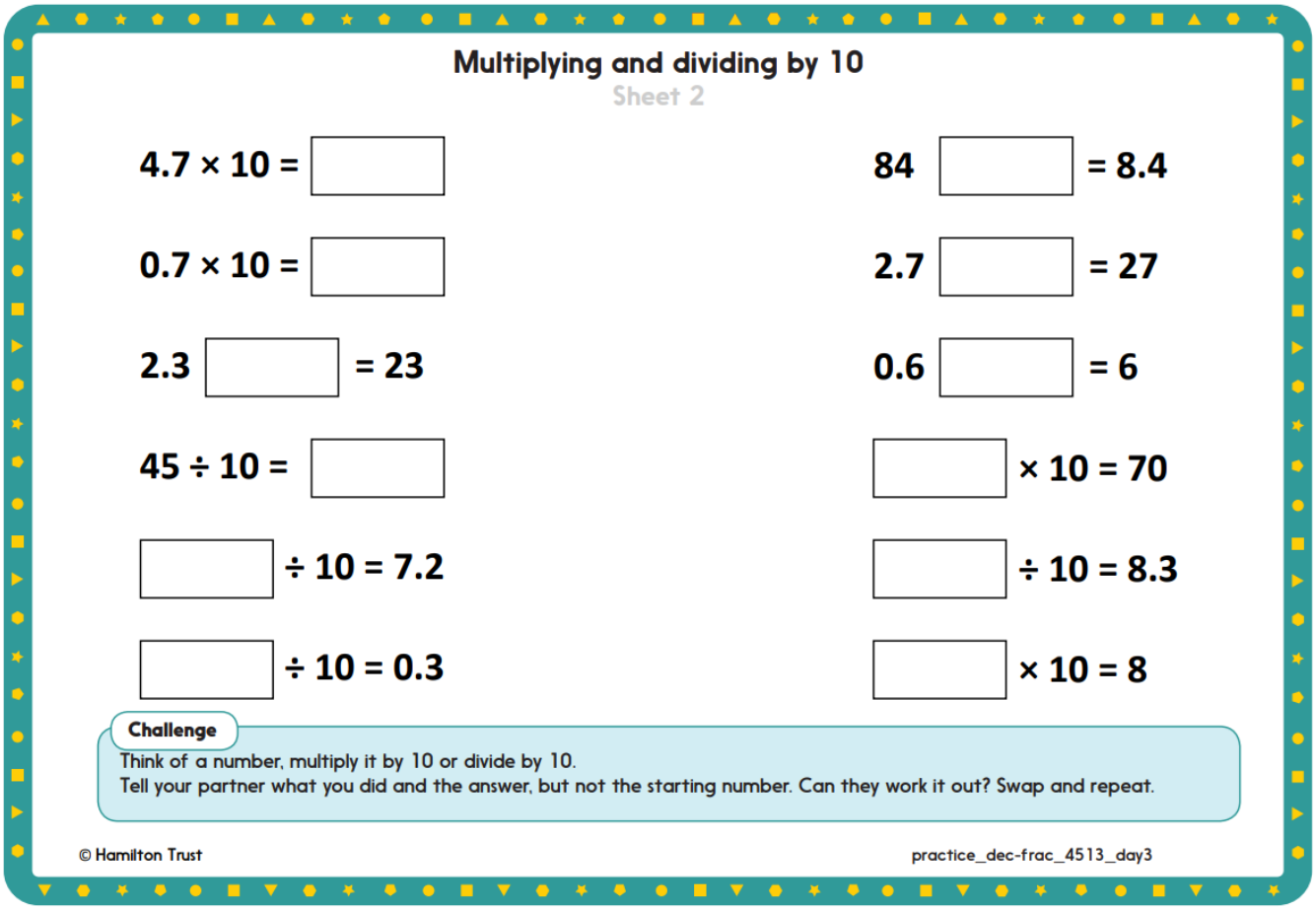
32.7 x 10 = ☐

6.2 x 10 = ☐

☐ x 10 = 58

☐ x 10 = 73

☐ x 10 = 47



Multiplying and dividing by 10

Sheet 2

4.7 × 10 = ☐

0.7 × 10 = ☐

2.3 ☐ = 23

45 ÷ 10 = ☐

☐ ÷ 10 = 7.2

☐ ÷ 10 = 0.3

84 ☐ = 8.4

2.7 ☐ = 27

0.6 ☐ = 6

☐ × 10 = 70

☐ ÷ 10 = 8.3

☐ × 10 = 8

Challenge

Think of a number, multiply it by 10 or divide by 10.
Tell your partner what you did and the answer, but not the starting number. Can they work it out? Swap and repeat.

practice_dec-frac_4513_day3

French – Numbers up to 100

Complete the online lesson to learn and practise the numbers up to 100 in French.

https://www.french-games.net/frenchlessons?topic=Numbers - to 100 (1)&level=primary

- Practise saying the numbers out loud!
- Count from 1-20 and back again then to 30,40,50,60,70,80,90 and 100
- Show your family how well you can count to 100 in French!
- Teach a grownup or sibling how to do it too!
- Join in with this catch song to practice https://www.youtube.com/watch?v=NmCize5EwbU

Wednesday DT – Building a lighthouse

Use this link if you have access to Electrical circuitry – wires , bulbs, batteries etc.

KS2 Make your own lighthouse (tts-group.co.uk)

And this one if you don't

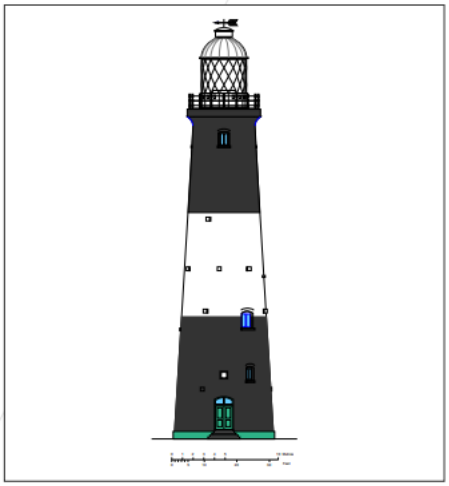
Paper Cup Lighthouse Light-up Craft | Kids Crafts | (masandpas.com)

Or this one if you have access to a printer and card and glue and lots of patience!

Spurn Point Lighthouse

1:250 scale card model to cut out and make

Designed by David Hathaway
One A4 sheet, 48 parts
Skill rating - Intermediate



Spurn PointLighthouse, Yorkshire, UK

Technical Information

Location:	Spurn point, Yorkshire, UK	Built:	1895
Position:	49:53.7264N 6:20.3401W	Closed:	1985
Tower Height:	39 m	Light type:	oil, later electric
Height of light above MHWS:	41m	Characteristics:	FL W (20s)
		Visibility:	approx. 20nm

History

The lighthouse built at Spurn Point in 1985 is the last lighthouse built on this site. At least 4 other lighthouses have been built and either washed away by the sea eroding the point or because the light(s) no longer aligned with the safe channel up the river Humber.

Designed by Sir Thomas Matthews, the 1895 tower was built to replace a high/low light pair built by John Smeaton in 1767. The 1895 lighthouse had a main light and 2 sector lights, removing the need for a low light.

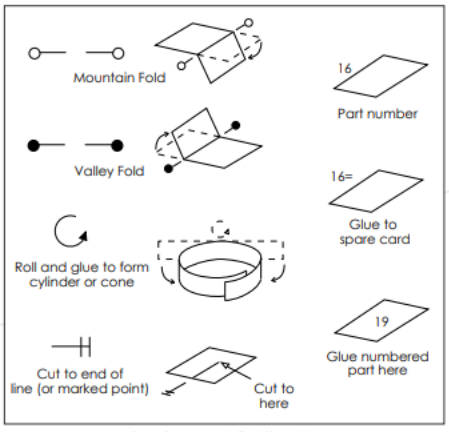
The tower is brick-built and needed over 300,000 bricks to raise it to the required height. Originally oil fired, it was converted to electricity and automated in 1957.

Declared redundant in 1985, the optic was removed and the lighthouse closed. It is now owned by the Yorkshire Wildlife Trust. The lighthouse is not open to the public but it is being renovated for later use as a viewing platform and exhibition space.

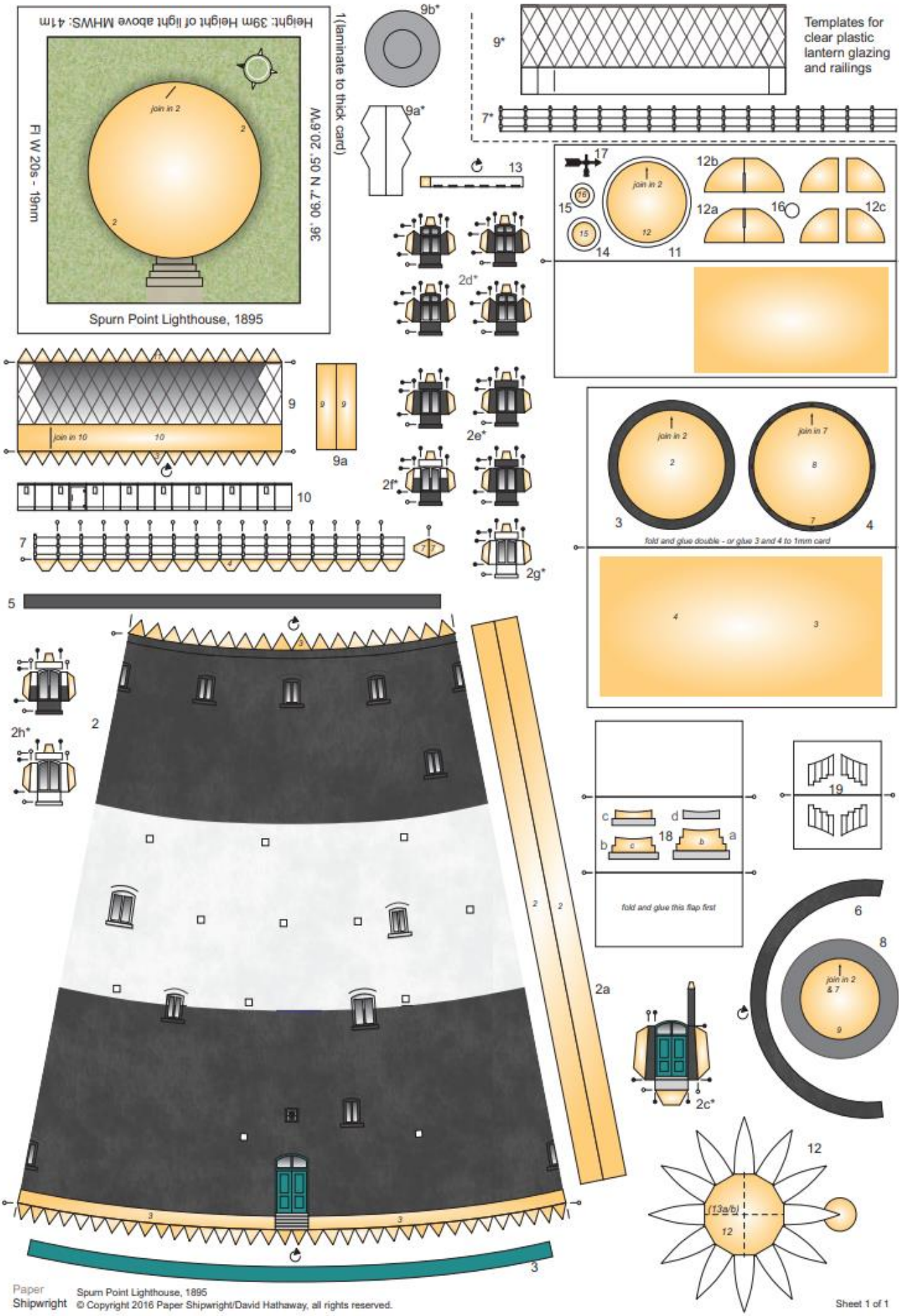
Location Map

Instructions

- Study and understand the scoring and cutting key shown on the right
- Read all instructions carefully and identify all parts before starting assembly
- Print out the chosen parts sheet onto light card (160-170gsm card is ideal)
- All parts should be scored along marked lines before cutting out. Use a pointed but blunt instrument, e.g. a compass point or empty ball-point pen
- Use a sharp craft knife or scissors to cut out the pieces. Children should be supervised at all times and care should be taken to avoid injuries
- Glue the base part(s) to heavy card or 2mm strawboard/greyboard
- Use clear craft glue or PVA adhesive (white glue), avoid using too much glue
- Assemble the parts in numerical order (1,2,3,...). Any sub-parts should be assembled in alphabetic order (a,b,c,...)
- The italic numbers show where the corresponding part should be glued, test-fit all parts before gluing in place
- Touch-up cut and folded edges with couloured pencils or paints
- Refer to the diagrams during assembly to help position parts correctly
- Various optional extra parts (marked *) are provided to allow a more realistic model to be built, cut away the printed are in the main part and glue the extra part behind.
- Card parts such as railings and lantern glazing can be fitted as printed or the supplied templates can be printed/photocopied onto clear plastic sheet (not supplied), overhead projector film is ideal for this.



Scoring and Cutting Key



Paper Shipwright

Spurn Point Lighthouse, 1895

English – write a diary (continued)

Carry on writing your diary today up to the end of the clip – remember to show the Keeper's emotions through his actions where possible.

Maths – relating fractions to decimals

Day 1: Relate fractions to decimals ($0.1 = {}^{1}/_{10}$, $0.2 = {}^{1}/_{5}$).

What fraction on the counting stick is the arrow pointing to? What other ways can you write or say that?

$^{2}/_{10}$ as a fraction or $^{1}/_{5}$ in its simplest form.

Or 0.2 as a decimal.

$0.2 \equiv {}^{1}/_{5} \equiv {}^{2}/_{10}$

They are each **equivalent**, different ways of saying the same amount!

Day 1: Relate fra

Now try these points, write the different ways on your whiteboard.

Let's check...

A. $0.4 \equiv {}^{2}/_{5} \equiv {}^{4}/_{10}$

B. $0.5 \equiv {}^{5}/_{10} \equiv {}^{1}/_{2}$

C. $0.7 \equiv {}^{7}/_{10}$

Tenths

Sheet 1

Fill in the missing fractions and decimals and provide any equivalents.

0.1 ≡ ☐

e.g.
0.1 + ☐ = 1

Hint: It's in the 'equivalent' symbol!

0.2 ≡ ☐ ≡ ☐

☐ ≡ ☐

☐ ≡ $\frac{4}{10}$ ≡ ☐

0.5 ≡ ☐ ≡ ☐

☐ ≡ ☐ ≡ $\frac{3}{5}$

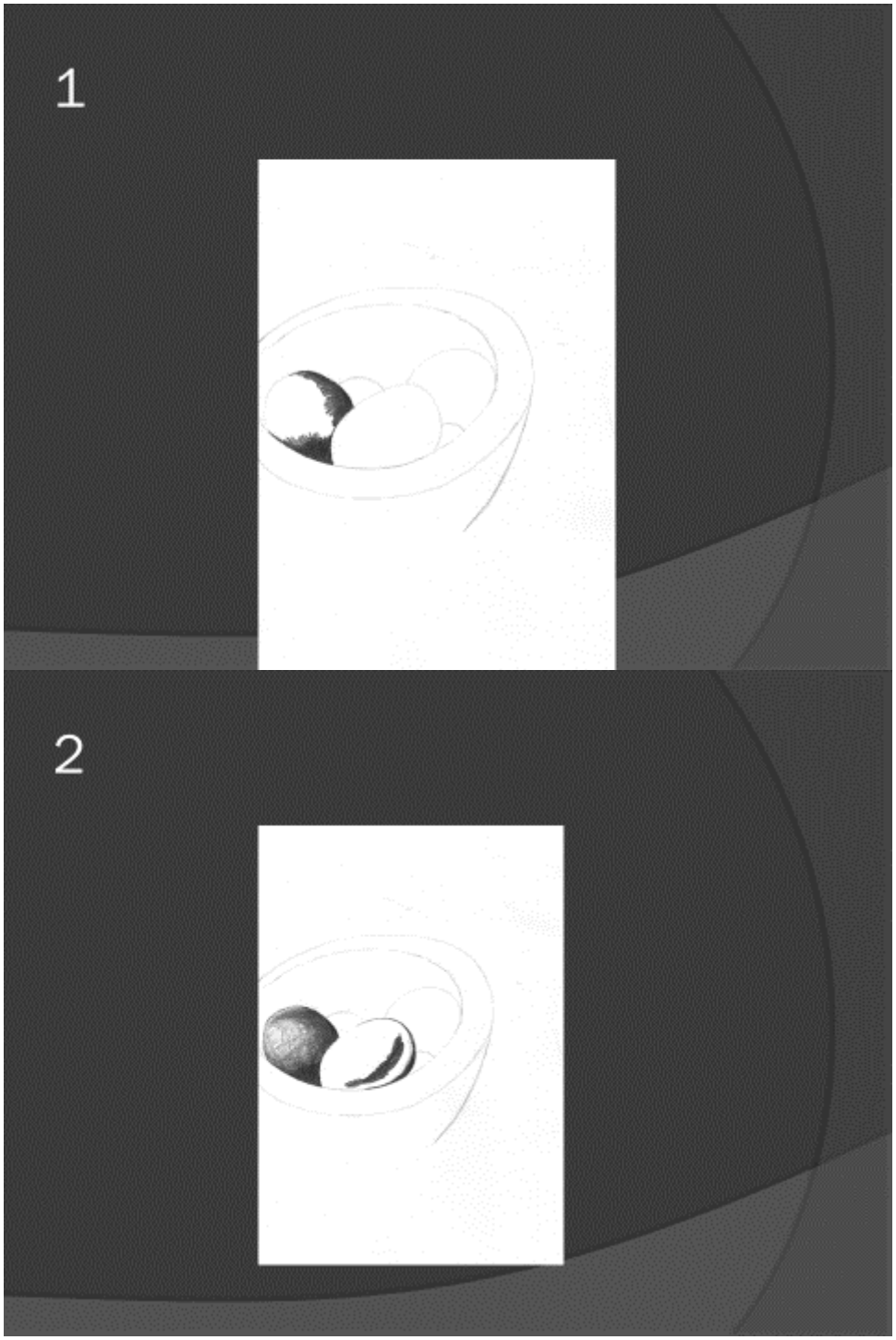
0.7 ≡ ☐

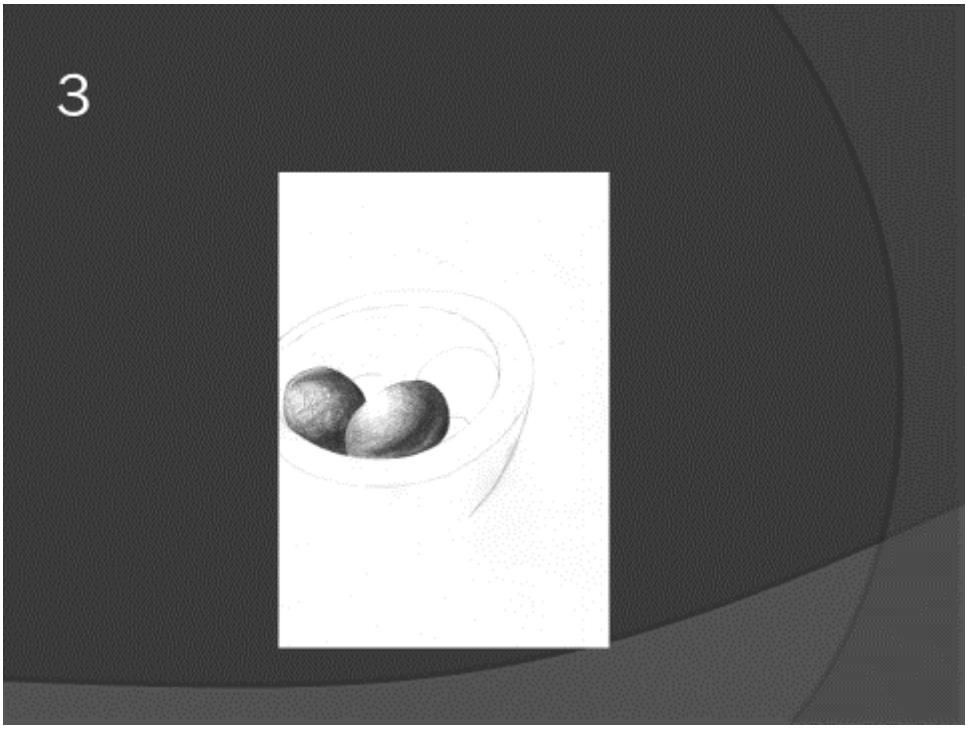
☐ ≡ $\frac{8}{10}$ ≡ ☐

☐ ≡ ☐

Art – draw using tone

Copy the sequence of drawings introducing light and dark with shading techniques

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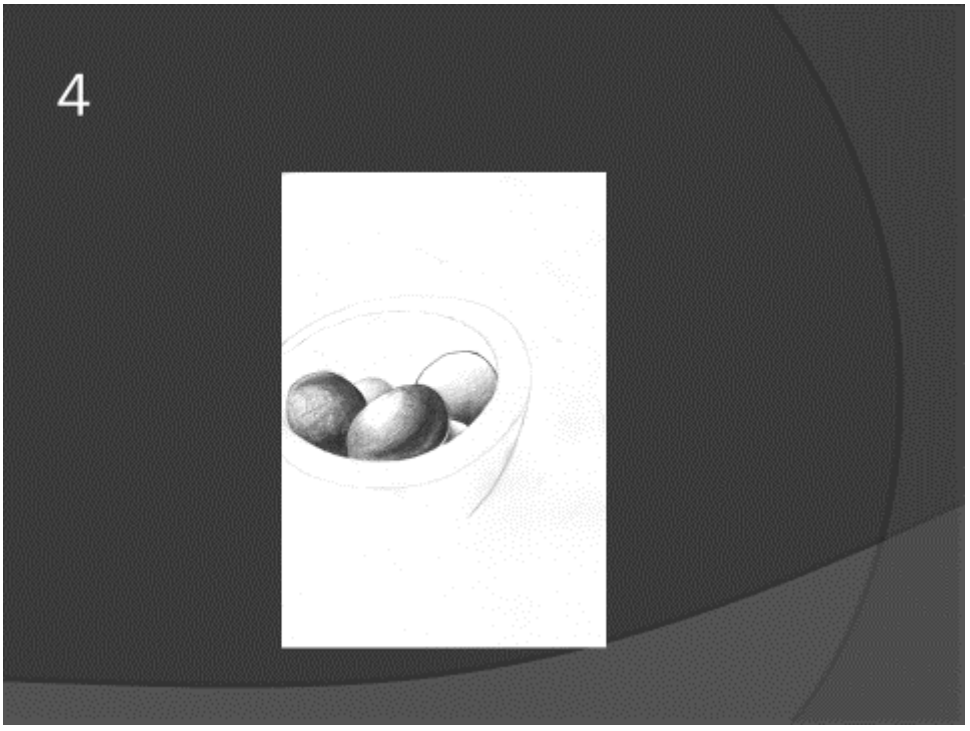
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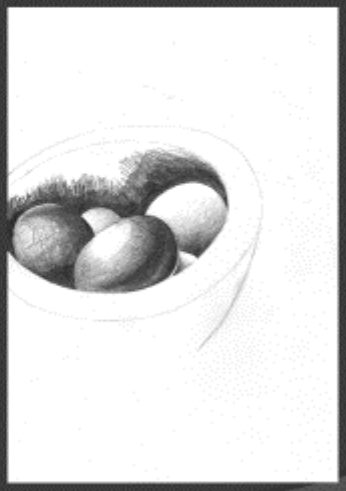
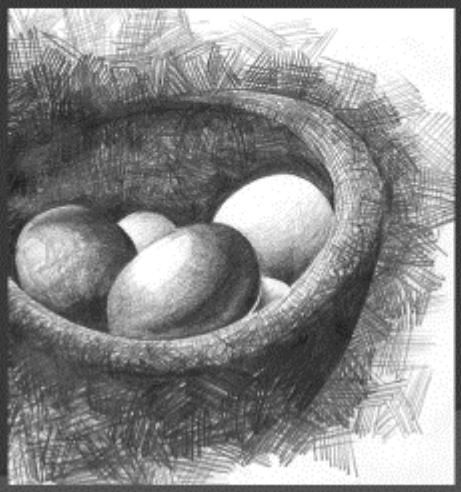
5



6

7 Completed sketch using crosshatching to compliment picture



PDW – Perseverance

Live your life like the wind.
Speed up when necessary,
And know when to slow down.
Slow down when life pushes so hard and fast,
You cannot consume anymore air.
Slow down when you can't see
Where you're going
Don't sweat the small things,
And make the best of the big things.
Cherish the experiences you've had,
And use the lessons you've learned.
Our lives are rubber bands,
Bending and stretching to fit
Regardless of its size or shape.
You just have to realize and use
What you have in your own hands.

Read this poem out loud – to someone else and start to believe in yourself!

Spellings – Gu words - wordsearch

Spellings - GU words

M	G	G	F	I	Z	N	C	S	M	G	G	U	I	S	E	Z	S
T	Y	U	U	K	D	B	O	T	F	N	U	N	I	S	G	D	P
K	M	K	E	A	D	J	J	M	V	X	K	I	G	R	U	E	Y
G	G	U	G	S	R	W	G	U	E	R	I	L	L	A	I	X	W
Q	A	E	U	N	T	D	Q	G	U	I	D	E	L	E	N	X	K
G	F	O	E	Q	H	T	I	G	W	U	P	P	U	W	E	G	G
E	U	C	S	V	H	G	U	A	R	D	U	L	V	F	A	U	Y
H	U	I	T	W	U	N	L	E	N	P	Y	Q	Z	S	P	G	T
G	I	G	L	O	G	U	I	L	L	O	T	I	N	E	I	A	X
S	U	S	O	T	I	D	M	X	M	Z	G	B	H	N	G	G	O
A	X	H	X	E	Y	Z	F	D	G	U	I	D	A	N	C	E	W
I	Q	L	C	Z	N	R	G	U	A	R	A	N	T	E	E	R	O

Find the following words in the puzzle.
Words are hidden → ↓ and ↘ .

GUARANTEE
GUARD
GUARDIAN
GUERILLA
GUEST
GUIDANCE
GUIDE
GUILE
GUILLOTINE
GUILTY
GUINEA PIG
GUISE

English – Grammatical error correction

Identify and correct the mistakes in the sentences below:

1) They was all shouting and laughing down there at the tavern.

2) I were so worried, didn't know what to do.

3) It were the the lamp you see, it were broken and them ships wouldn't see us.

4) I done my best to fix it but it slipped right out of me hands.

5) Then they shown up, God bless them. We done it.

Identify and correct the mistakes in the sentences below:

1) I could hear them all down their, laughing and joking, enjoying there night without a thought about me up here.

2) Immediately I knew they're was something wrong.

3) Across the sea in the distance I could see their was a ship approaching fast.

4) Seeing them all turn up like that, standing their with theyre lanterns ready to help, made me well up.

5) There stars the lot of them. Came right up and saved the village they did.

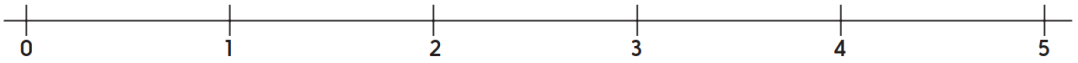
Maths – Placing decimals on lines

Placing decimals on lines

Sheet 1

Place these decimals on the line. Draw a line from each decimal to round to the nearest whole number.
Remember that we round up numbers ending in 5.

1.5, 0.9, 3.2, 4.7, 2.4



7.5, 5.7, 9.9, 6.3, 8.8

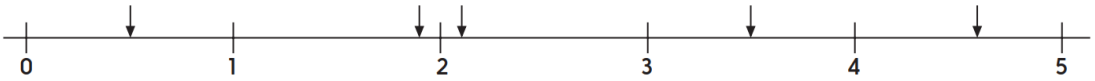
Challenge

Write two new numbers between 3 and 4, each with one decimal place.
One number must round **up**, and the other must round **down**.

Identifying decimals on lines

Sheet 2

Label the mystery decimals. Draw a line from each decimal to round to the nearest whole number.



Challenge

Write a different number with one decimal place which rounds **up** to 5.Write a different number with one decimal place which rounds **down** to 5.

History – The Light bulb – Edison and Latimer

Research the life and achievements of Lewis Latimer (see links below) And make a foldable interactive book – see below for templates

Lewis Latimer

Interactive Foldable Booklets

These 2 interactive foldable booklets are designed to be used with any textbook or curriculum. There is a Resources page at the back that you may choose to use for information. Print these pages on any color of paper that you prefer.

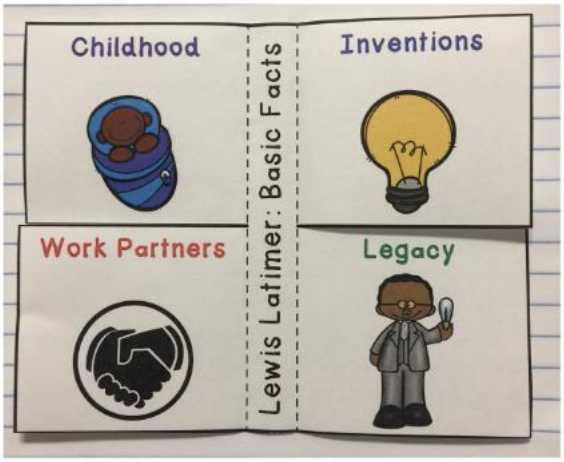
Booklet #1: Lewis Latimer Basic Facts

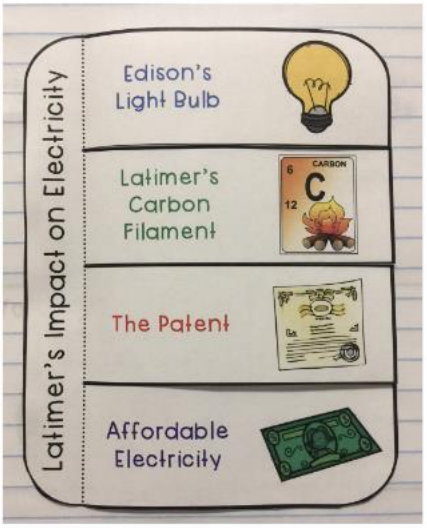
Instructions: Cut out along the outer black line edges of the foldable. Cut along each of the solid horizontal lines to create flaps. Now fold along the vertical dotted lines so that the flaps open. Glue ONLY the center section (between the 2 vertical dotted lines) to your Interactive Notebook or Lapbook. Under each flap, write what you've learned about the Lewis Latimer.

Booklet #2: Latimer's Impact on Electricity

Instructions: Cut out along the outer edges of the booklet. Cut along each of the horizontal solid lines to create flaps. Glue ONLY the left side (with booklet title) to your Interactive Notebook or Lapbook. Under each flap, write what you have learned about Lewis Latimer's invention and it's impact on modern-day electricity.

After you assemble your interactive foldables, they should look something like this:





Booklet #1

Lewis Latimer: Basic Facts

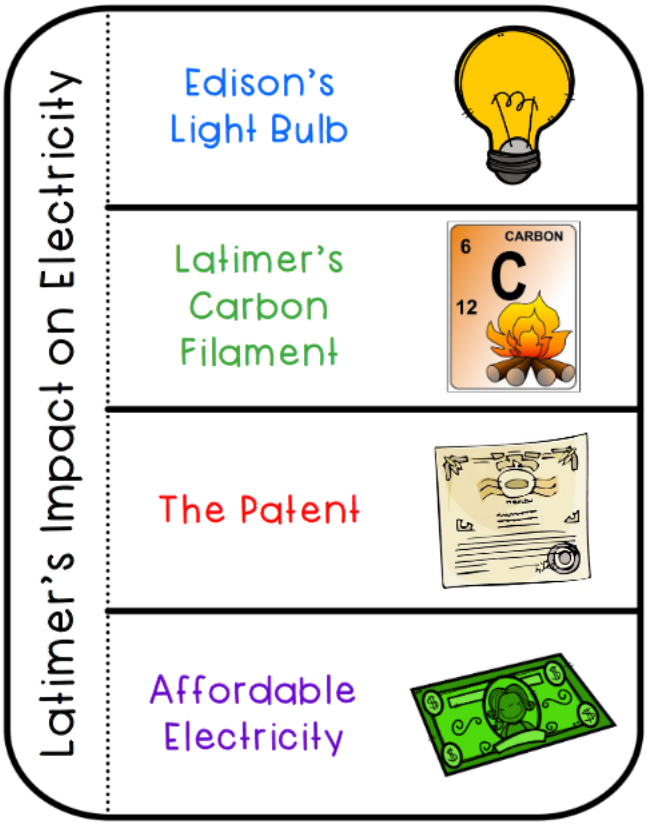
Childhood

Inventions

Work Partners

Legacy

Booklet #2


Latimer's Impact on Electricity
Edison's Light Bulb
Latimer's Carbon Filament
6
CARBON
C
12
The Patent
Affordable Electricity

Lewis Latimer
Interactive Foldable Booklets

Following are some websites where you may choose to do your research on this topic:

Websites:

http://blackinventor.com/lewis-latimer/

http://teacher.scholastic.com/activities/bhistory/inventors/latimer.htm

http://edison.rutgers.edu/latimer/252386.pdf