HILL WEST Primary

FOUR OAKS

Home Learning Pack

Year 5

Autumn Week 10

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

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/

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 Eggspress
Reading Eggspress has lots of reading activities including comprehension and retrieval questions to have a go at. Your child's Username and Password should be written in his Homework Book.

https://readingeggspress.co.uk/?_ga=2.107706762.961348329.1601363904-660844018.1598947512

We have been learning about division this week, mostly looking in-depth at partitioning and we will transition into using the short method for division. Here are some great maths games to play on Laptops or iPads.
https://www.topmarks.co.uk/Search.aspx?q=division

Times Tables Rockstars
This is a great times tables game, practice all of the tables up to 12 x 12. Log- in should be in Homework book/ Reading diary.
https://ttrockstars.com/

Handwriting

Practise two rows of these joins each day.
Write down five words which contain these letters?
Use the word to make joined up writing sentences.

nes

nef

lig

Monday English

GPS

LO To explore expanded noun phrases

Watch this video on Expanded Noun Phrases

https://www.bbc.co.uk/bitesize/topics/zwwp8mn/articles/z3nfw6f

Read the following sentences. Underline or circle the **expanded noun phrase** in each sentence.

1. The brightly-coloured parrot flew through the canopy.
2. After his lunch, Harold ate a sweet, delicious chocolate brownie.
3. Under the waves, the stripy fish swam quickly through the reef.
4. In a forest clearing, a dark, mysterious jaguar sauntered by the water.
5. "Pass me the blue shoes please," Mum asked Sophia.
6. As John sat at the bus stop, he saw three large, black cars go past.

Reading

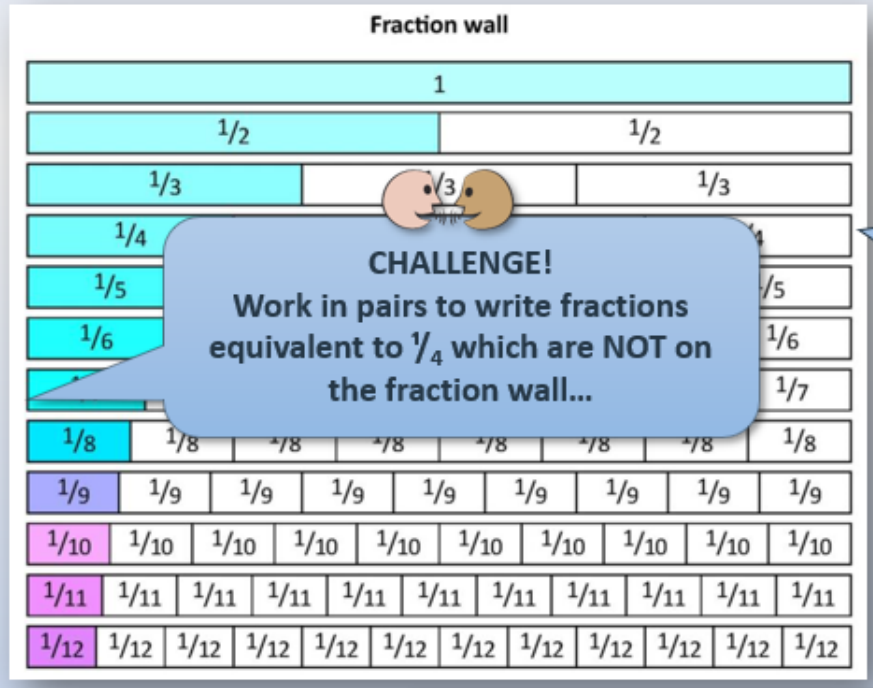
1. What is the title of the story?
2. Predict what the story will be about? What will the characters be like? Where might it be set?
3. What is interesting about the spelling of the words in the title?
4. What does 'sun' mean? How does this affect your impression of the title?
5. What connotations (associations) could we make with the word 'sun'? e.g. life force, hot, centre

Watch the film to 1 minute.
https://www.youtube.com/watch?v=JYxz54t1rgI
Who is this character and what do we know about him?

1. Write 5 expanded noun phrases about the features of this character.
   - What does he look like?
   - What are his features?
   - What is he holding?
2. Write 1 sentence about who this character might be?
3. **Challenge: Use your sentences to write a short paragraph about this character.**

Monday Maths

Day 1: Find equivalent fractions; Simplify fractions using factors.



CHALLENGE!
Work in pairs to write fractions equivalent to $^1/_4$ which are NOT on the fraction wall...

Work with a partner to find as many fractions equivalent to $^1/_4$ as you can on this fraction wall.
Write them on a whiteboard.

What do you notice about your list of fractions?

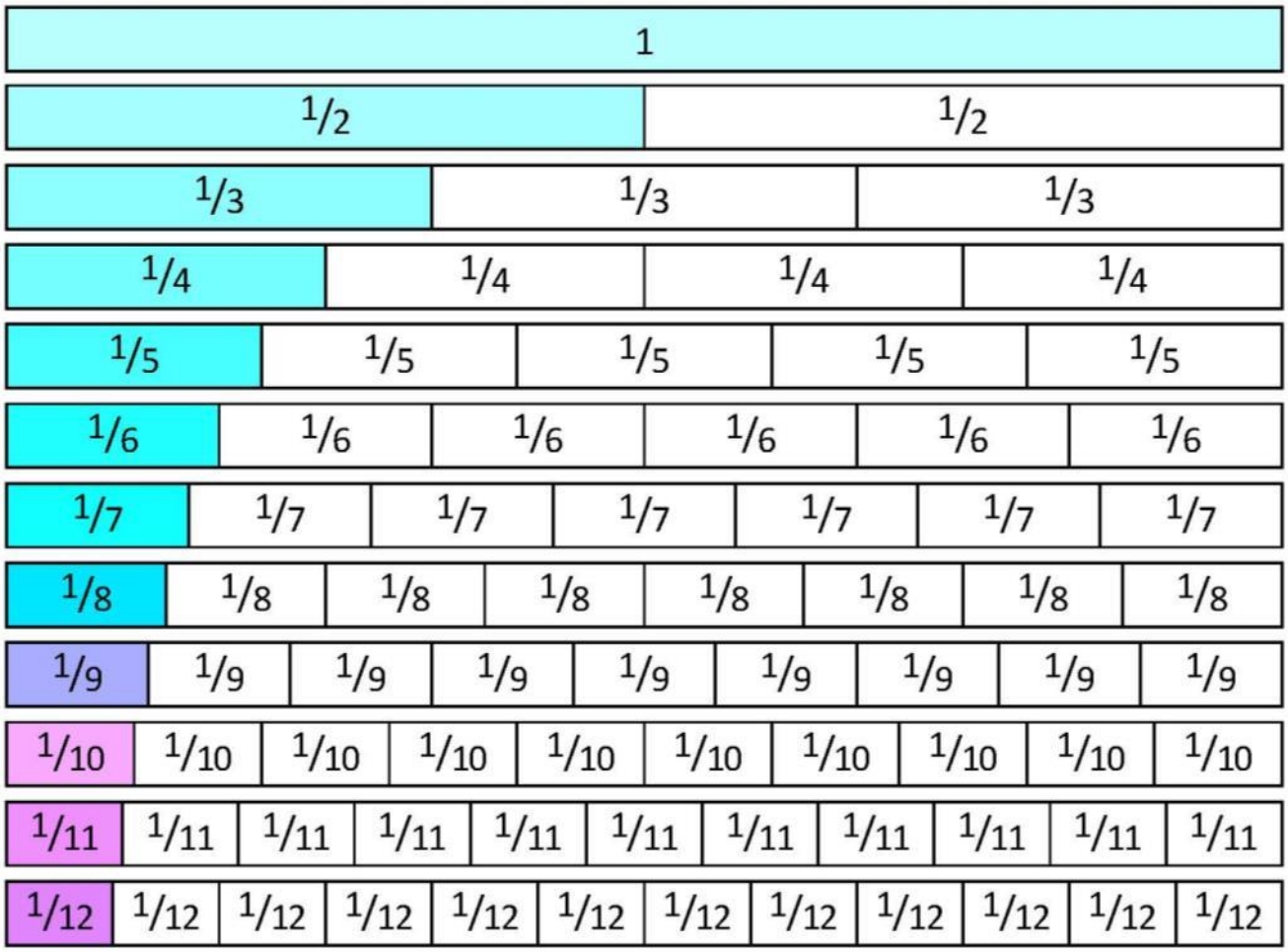
If we double both the numerator and the denominator, we end up with an equivalent fraction.
In fact, if we multiply both the numerator and denominator by any number we'll get an equivalent fraction!

$$^3/_{12}$$

We can write this more simply as $^1/_4$.

This is called writing the fraction in its <u>simplest form</u>.

Fraction wall



Whole class activity

Work in pairs. Shuffle a pack of 1–12 cards, and place them face down.

Each draw a dividing line horizontally across the middle of your whiteboards.

Take turns to take two cards and place the smaller number above the dividing line and the larger number below to form a fraction; if you can simplify the fraction, record the equivalent, e.g. $^3/_6 = {}^1/_2$ and score a point. If not, score nothing.

Repeat until all the cards are used.

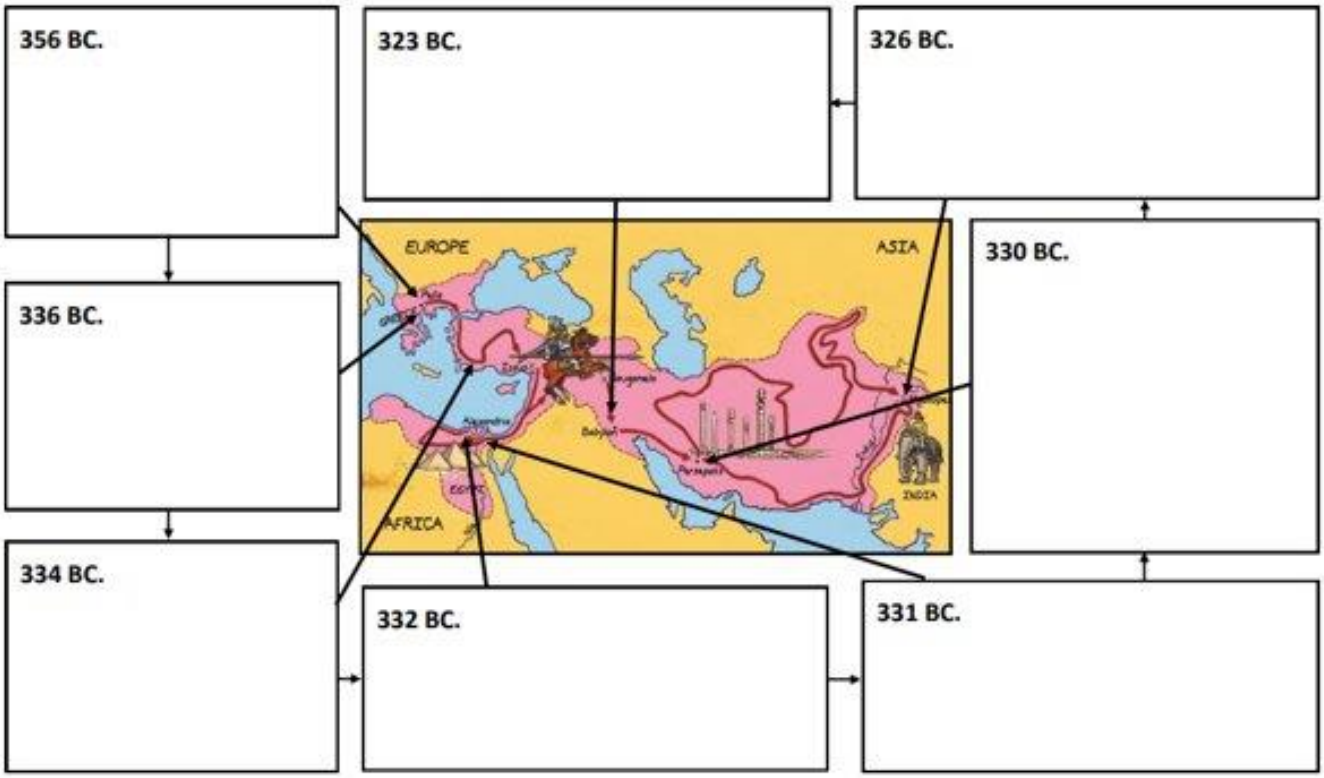
Who won most points for this round?

Shuffle the cards and repeat but this time have the cards face up. Does this make it easier?

Monday Geography

LO: To map the Alexandrian Empire and mark the famous battles.

Find out about the growth of Alexander's empire and fill in the boxes below:



Tuesday English

GPS

LO To use expanded noun phrases in sentences

The bright, blue sports car sped past the calm, green field.
The white, spotted cow silently grazed beside the farmer's broken, red barn.

Choose one word from each column to create an expanded noun phrase. Underline the adjectives in each sentence.

Determiner	Adjectives	Nouns	Prepositional phrases
a	blue	chair	in the spotlight
an	comfy	lamp	next to the lamp
the	comfortable	light	beside the light
some	cosy	girl	near the window
one	soft	book	on the shelf
two	plush	tome	upon the chair
hundreds of	bright	building	in the armchair
several	brilliant	house	across the room

Play the film to 1 minute 24 seconds.
https://www.youtube.com/watch?v=JYxz54t1rgI
Predict what will happen next?
How do you know?

LO: To create a setting description using expanded noun phrases.

Noun phrases are one of the key building blocks in language. They label our world and bring it into being!
We make noun phrases by adding to a noun and telling the reader **more** about that noun.

Let's try to build some noun phrases. Choose a noun from the picture.

We can develop our noun by placing a modifier before or after our noun.

The time-worn **paper**

The **paper**, scrunched and torn

The scrunched and jagged **paper**, which hung limply on the wall, displayed the love and passion of his father. Each magnifying **glass**, chipped and abandoned on the work desk, was coated in a thick fog.
The teddies bulging **eyes** ignited in question.
Before the orrery, the antiquated **watch** lay illuminated beneath the man's light.

Activity: Choose 5 things in this picture and create 5 different noun phrases describing them. Build up your phrases like so:

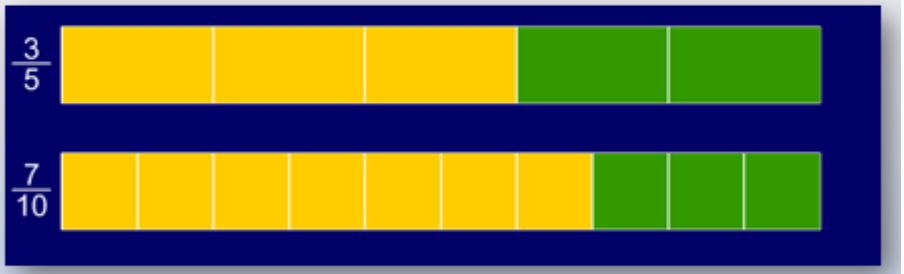
What is it (Noun)? key
Which one (determiner)? The key
What is it like (adjectives/ adjectival phrase)? The time-worn key
Where/ when /how is it (prepositional phrase)? The time-worn key in the man's hand
What is it doing (clause)? The time-worn key, in the man's hand, reflected the scars of its past.

Tuesday Maths

Day 2: Compare fractions with related denominators.

$\frac{3}{5}$ $\frac{7}{10}$

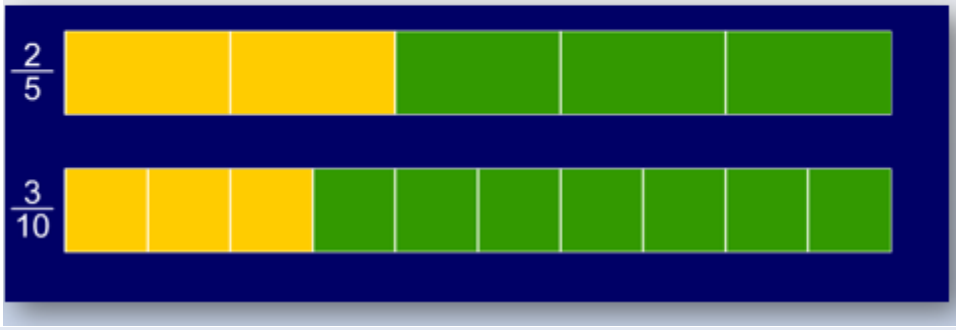
Which do you think is greater? Explain to your partner how you know.



How many $\frac{1}{10}$s are the same as $\frac{1}{5}$? How many $\frac{1}{10}$s are the same as $\frac{2}{5}$? And $\frac{3}{5}$? We can use equivalence between $\frac{1}{5}$s and $\frac{1}{10}$s to help us to compare them...

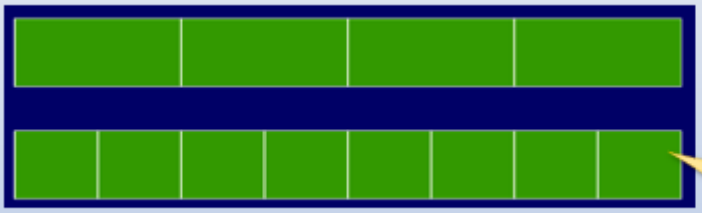
$\frac{2}{5}$ $\frac{3}{10}$

Which do you think is greater? Explain to your partner how you know.



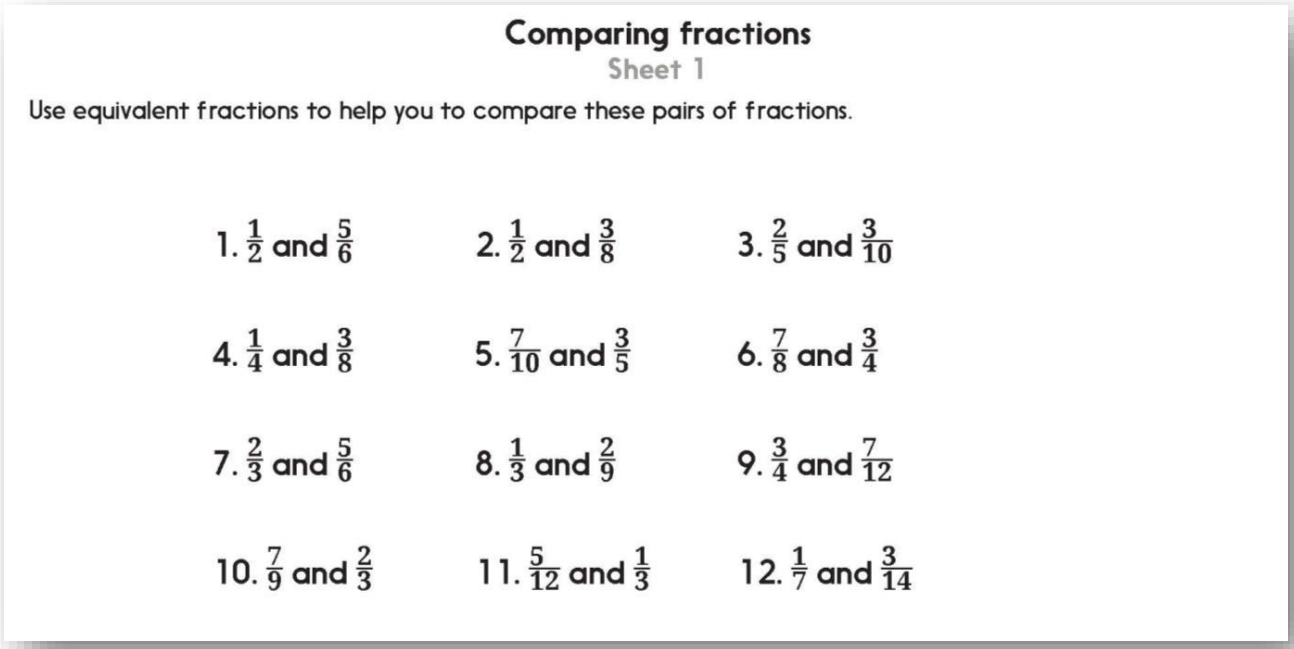
See how $\frac{1}{6}$ is half the size of $\frac{1}{3}$.

How many $\frac{1}{6}$s are the same as $\frac{2}{3}$?



See how $\frac{1}{8}$ is half the size of $\frac{1}{4}$.

Which is greater, $\frac{7}{8}$ or $\frac{3}{4}$? $\frac{5}{8}$ or $\frac{1}{2}$?



Comparing fractions

Sheet 1

Use equivalent fractions to help you to compare these pairs of fractions.

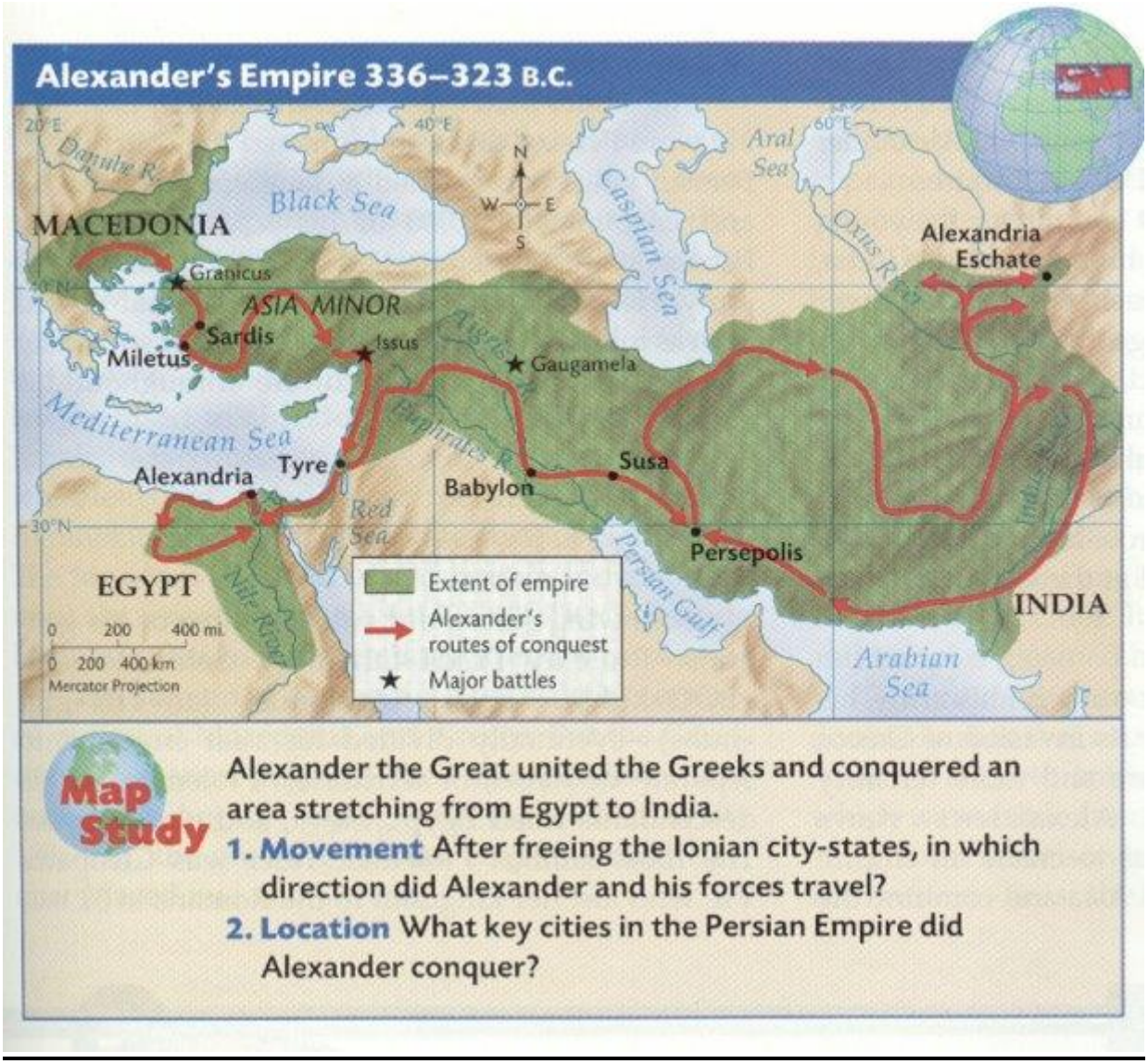
1. $\frac{1}{2}$ and $\frac{5}{6}$	2. $\frac{1}{2}$ and $\frac{3}{8}$	3. $\frac{2}{5}$ and $\frac{3}{10}$
4. $\frac{1}{4}$ and $\frac{3}{8}$	5. $\frac{7}{10}$ and $\frac{3}{5}$	6. $\frac{7}{8}$ and $\frac{3}{4}$
7. $\frac{2}{3}$ and $\frac{5}{6}$	8. $\frac{1}{3}$ and $\frac{2}{9}$	9. $\frac{3}{4}$ and $\frac{7}{12}$
10. $\frac{7}{9}$ and $\frac{2}{3}$	11. $\frac{5}{12}$ and $\frac{1}{3}$	12. $\frac{1}{7}$ and $\frac{3}{14}$

Tuesday History

LO: To examine the life of Alexander the Great and his influence on the Greek empire.

https://www.bbc.co.uk/bitesize/topics/z87tn39/articles/z8q8wmn

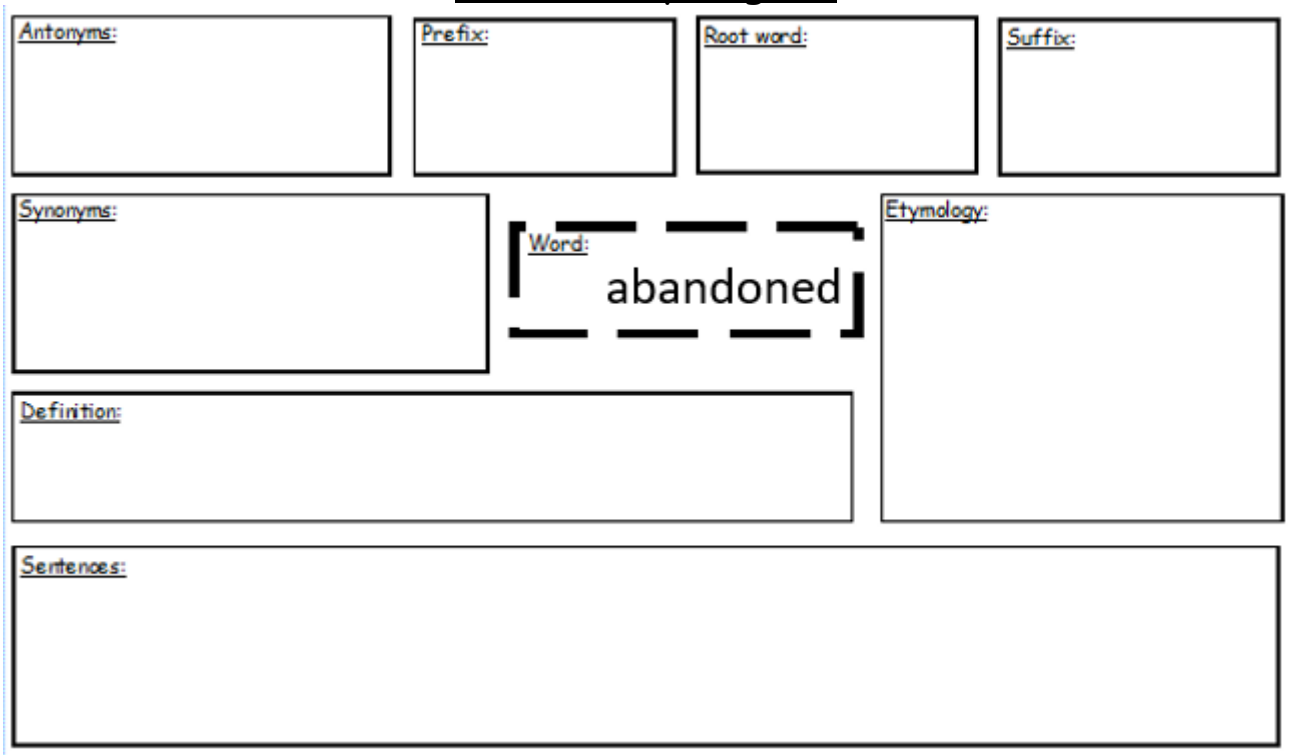
- In ten years, Alexander of Macedonia created the largest empire in the world up to that time
- Alexander spread Greek culture, ensuring cultural diffusion and the survival of the qualities of classical Greece



Find out about Alexander the Great and answer these questions:

Where was Alexander born?
What does 'conquered' mean?
How old was Alexander when he became king of Macedonia?
'Alexander squelched rebellions in the northern regions to the Danube River'. Can you think of a synonym for the underlined word?
How many soldiers did Alexander take with him?
What did Alexander do to the Gordian knot?
Why do you think his soldiers didn't want to go any further?
How old was Alexander when he died?

Wednesday English



abandoned

[əˈband(ə)nd]

ADJECTIVE

abandoned *(adjective)*

1. having been deserted or left.
   "an abandoned car" · "abandoned pets"
   synonyms: deserted · forsaken · cast aside/off · jilted · stranded · rejected · unused · disused · neglected · idle · unoccupied · uninhabited · empty

2. unrestrained; uninhibited.
   "a wild, abandoned dance"
   synonyms: uninhibited · reckless · unrestrained · unruly · wild · unbridled · impulsive · impetuous · immoderate · wanton

Origin

late Middle English: from Old French abandoner, from a- (from Latin ad 'to, at') + bandon 'control' (related to ban). The original sense was 'bring under control', later 'give in to the control of, surrender to' (abandon).

What is in the sky?
Describe it.
Do you think it is important? Why/Why not?
Have you ever seen one of these before?

LO: To create expanded noun phrases using the 5 senses.
Watch film to 3.04 minutes.
https://www.youtube.com/watch?v=JYxz54t1rgI

Let's sort out sentences, matching them to the correct senses

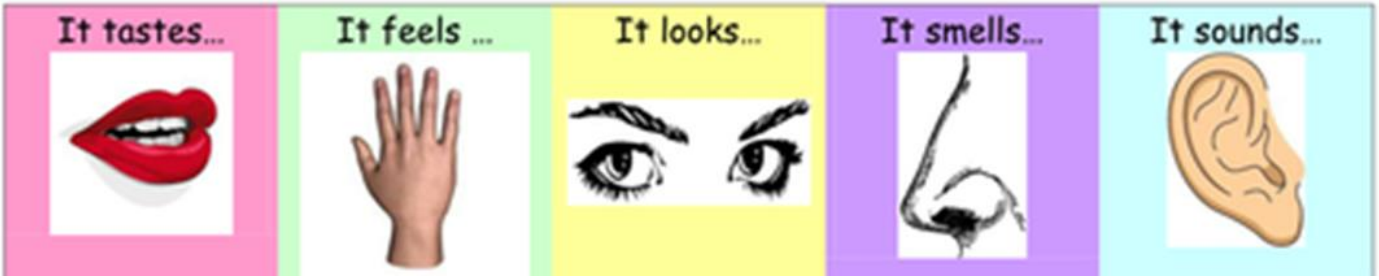
A long winding brick path meandered between flower beds of purple

the scent of the burning wood gave that away

The place was, however, silent save for birdsong.

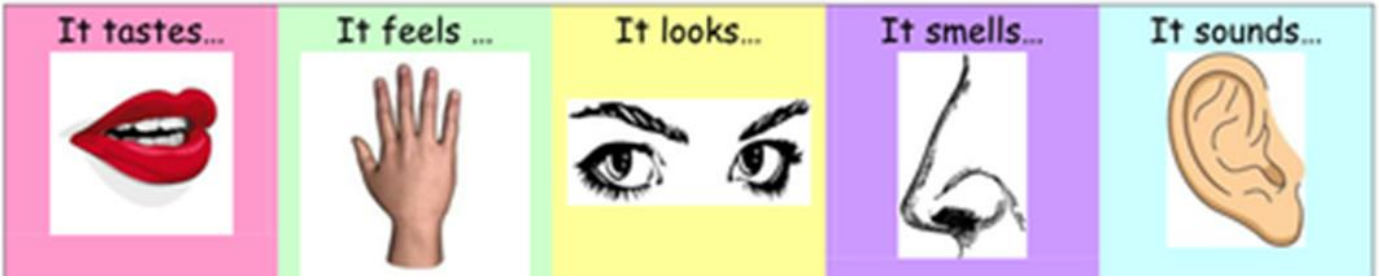
the bitter taste of iron hung in her mouth

at the front door, holding the cold steel handle and ready to knock



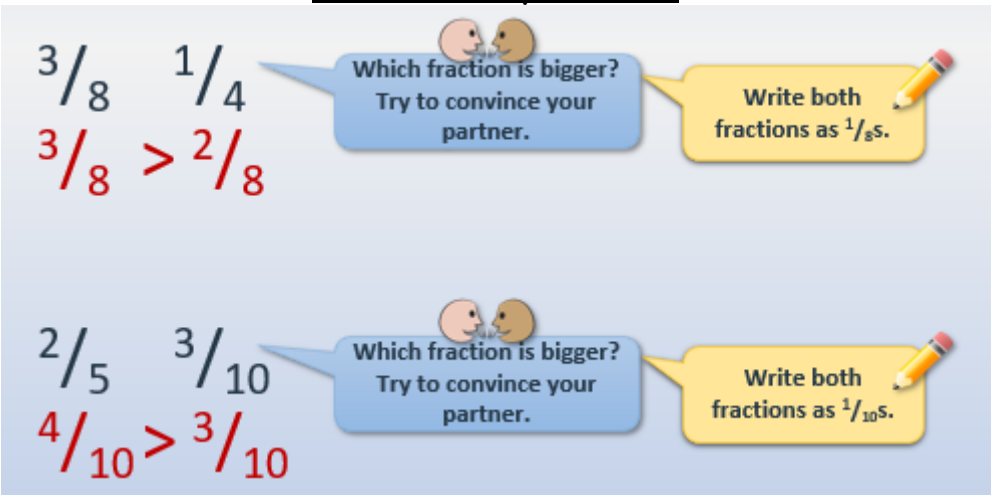
How could you describe this image using sensory language?

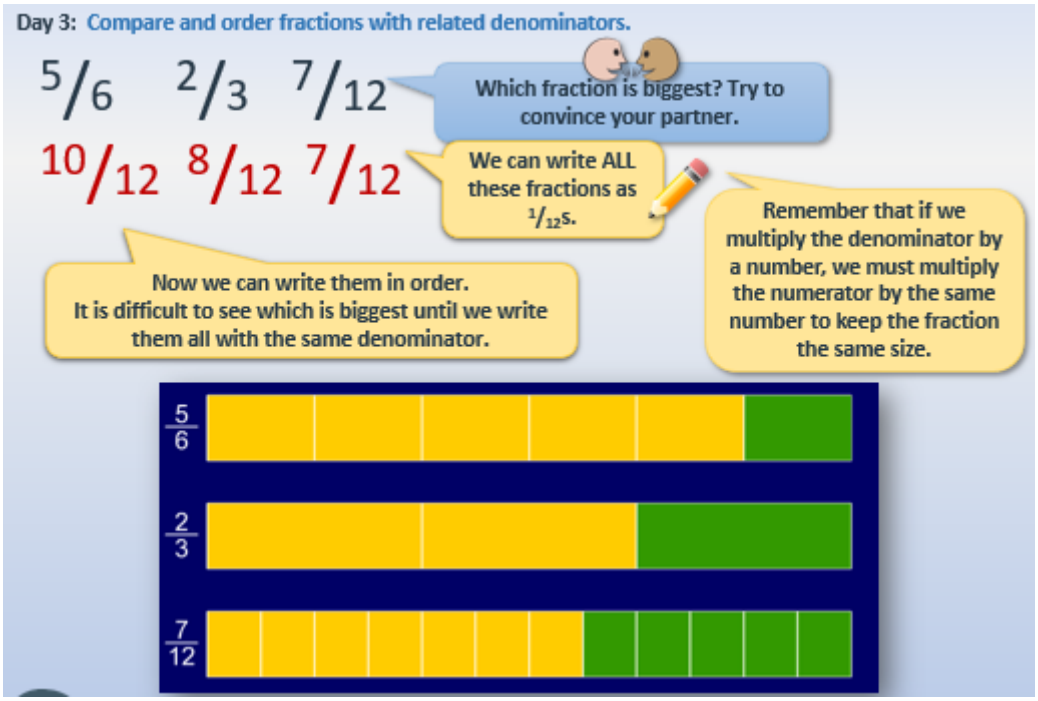
- What would you be able to feel if you were there?
- What would you be able to taste if you were there?
- What would you be able to see if you were there?
- What would you be able to smell if you were there?
- What would you be able to hear if you were there?



Write a paragraph about the picture above and ensure you appeal to all the senses in your description.

Wednesday Maths





Comparing and ordering fractions

Sheet 2

Use equivalent fractions to help you to compare these pairs of fractions.

1. $\frac{2}{7}$ and $\frac{5}{14}$
2. $\frac{2}{3}$ and $\frac{7}{9}$
3. $\frac{3}{4}$ and $\frac{7}{8}$
4. $\frac{7}{10}$ and $\frac{17}{20}$
5. $\frac{6}{7}$ and $\frac{9}{14}$
6. $\frac{7}{8}$ and $\frac{13}{16}$

Use equivalent fractions to help you to write each group of fractions in order.

7. $\frac{2}{3}$, $\frac{1}{2}$, $\frac{5}{6}$
8. $\frac{3}{4}$, $\frac{1}{2}$, $\frac{7}{8}$
9. $\frac{2}{3}$, $\frac{5}{6}$, $\frac{3}{4}$
10. $\frac{1}{2}$, $\frac{7}{10}$, $\frac{3}{5}$
11. $\frac{2}{3}$, $\frac{4}{5}$, $\frac{8}{15}$
12. $\frac{2}{5}$, $\frac{3}{10}$, $\frac{7}{20}$

Wednesday Science
Gravity

LO: To know what gravity and resistance are and identify balanced and unbalanced forces

Watch this video: https://vimeo.com/111261824
Can you explain what happened?
What caused the Meteorite to fall to Earth?

Watch this video on Forces Training
https://www.youtube.com/watch?v=SiSqdZuvdI8

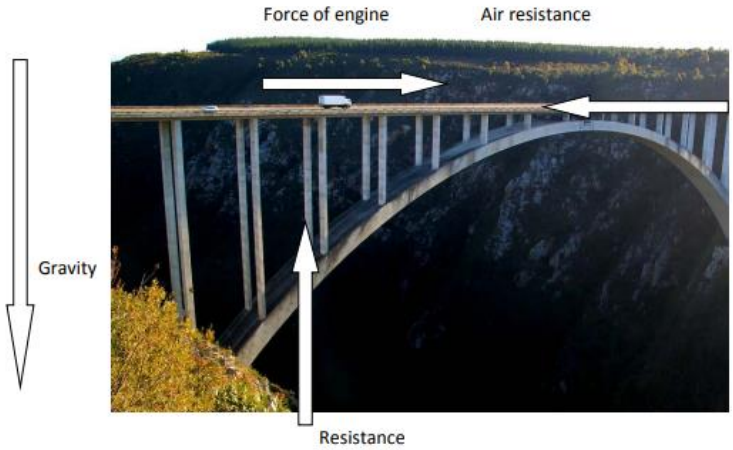
http://www.bbc.co.uk/education/clips/zhmqxnb
Gravity is actually a relatively weak force, much weaker than the forces that hold together the ground or floor we stand on, so it is not strong enough to pull us through to its centre.
The ground provides an 'equal and opposite' balancing force to our weight. Because these separate forces are in balance, we do not fall through the ground.
If what we stand on is not strong enough to hold us – like a thin layer of ice on water, or a rotten wood floor for example – then our weight will overcome the resistance that the floor can provide and we fall through it.

Write down as many things as they can that are not directly on the ground but that are not touching the ground (things on tables or bookshelves).

Can you explain what is happening?

What forces are at work in this picture?

Sample annotated photo and statement



Add the forces to these pictures

Statements to create photos for

The weight of the ball results in gravity being a stronger force than the resistance of the paper table. UNBALANCED

Friction in the brakes has stopped the bike on the slope. Gravity is exerting an equal force. BALANCED

The car is accelerating down the slope. Gravity is greater than friction. UNBALANCED

Can you create more?

Thursday English

Ask an adult to test you on your Autumn tern spellings.

conscious	stomach
symbol	recommend
physical	equipment
system	environment
rhythm	government
rhyme	parliament
occupy	frequently
thorough	vegetable
occur	wide-eyed
desperate	co-operate

Watch film to 3.35 minutes.
https://www.youtube.com/watch?v=JYxz54t1rgI

What does the machine do?
How does it work?
What will it do to the man?

LO: To describe the character's feelings in a visual narrative.
Watch the film to the end.
https://www.youtube.com/watch?v=JYxz54t1rgI

Who is he?

How does the astronomer's son feel?

Chart his emotions from the beginning, middle and end.

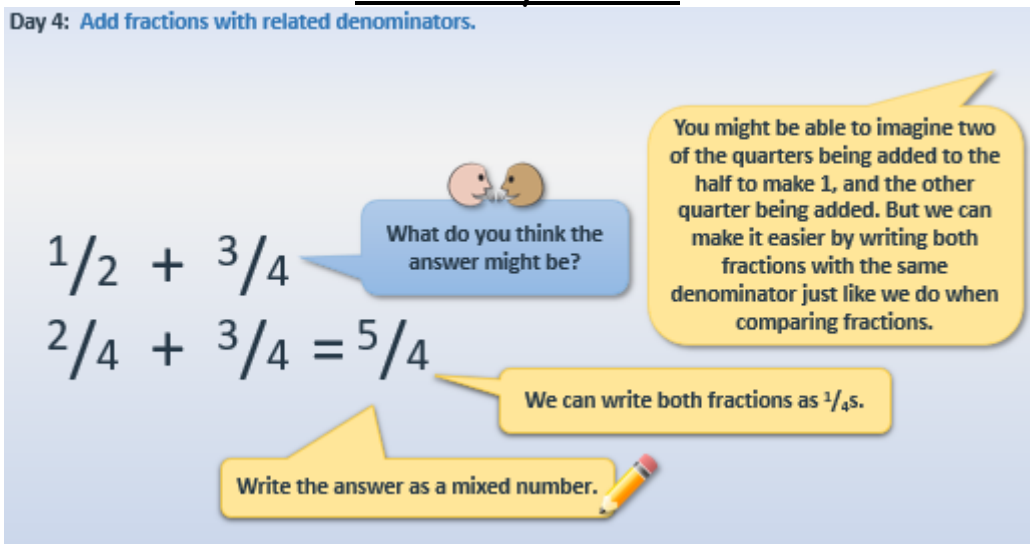
Explain what is happening in each scene and how the character might be feeling

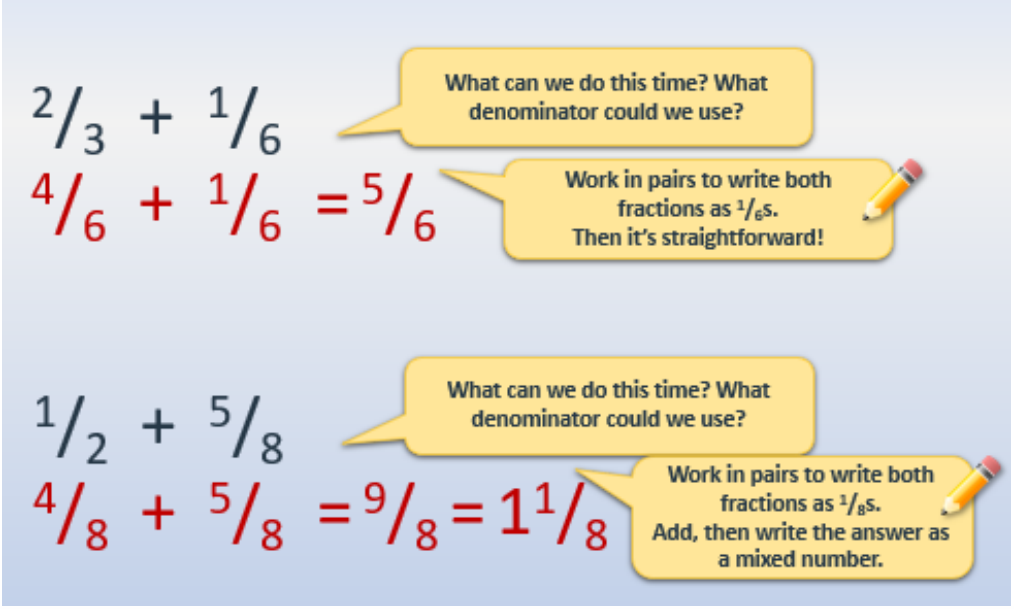
1.

2.

3.

Thursday Maths





Adding fractions

Sheet 2

Use equivalent fractions to help you to add these pairs of fractions.

1. $\frac{1}{2}+\frac{3}{8}$	2. $\frac{1}{3}+\frac{1}{6}$	3. $\frac{2}{5}+\frac{1}{10}$	4. $\frac{3}{4}+\frac{1}{8}$
5. $\frac{3}{10}+\frac{1}{5}$	6. $\frac{2}{9}+\frac{1}{3}$	7. $\frac{2}{3}+\frac{1}{6}$	8. $\frac{3}{4}+\frac{3}{8}$
9. $\frac{1}{2}+\frac{7}{10}$	10. $\frac{1}{2}+\frac{5}{8}$	11. $\frac{1}{3}+\frac{5}{6}$	12. $\frac{4}{5}+\frac{3}{10}$

Challenge

Add pairs of fractions where the numerator is 1 and one denominator is double the other, e.g. ½ + ¼ or ⅓ + ⅙ or ¼ + ⅛ or ⅕ + 1/10 or ⅙ + 1/12
Do you see a pattern? Can you explain it?

Friday English

Create word pyramids for the following spellings:

Thorough

Rhyme

Desperate

Summarise the story in 30 words or less.
Remember, you have to include the key events of the story.

Thursday French

OPINIONS

- J'adore
- J'aime
- Je n'aime pas
- Je déteste

SPORTS

- le foot
- le rugby
- le tennis
- le ski
- le cricket
- le basket
- le netball
- le volley
- le judo


le karaté


la natation

l'athlétisme


le cyclisme


le patinage


la gymnastique

JUSTIFICATION

parce que c'est

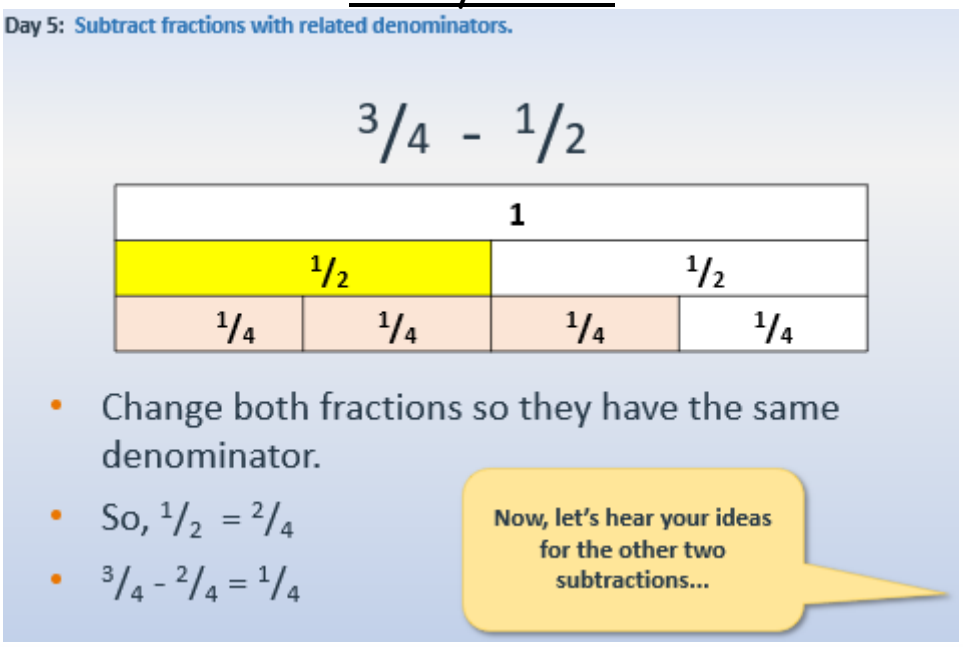
énergique	*energetic*	fatigant	*tiring*
amusant	*fun*	barbant	*boring*
sociale	*social*	difficile	*difficult*
passionnant	*exciting*	cher	*expensive*

bon pour la santé = *good for your health*

Write a sentence about your opinion of each sport and justify your response. Example:

J'aime le judo parce que c'est énergique **mais** je n'aime pas la natation parce que c'est trop fatigant.
Cependant j'adore le cyclisme parce que c'est bon pour la santé et trés amusant. **Mais** je déteste l'athlétisme parce que c'est trop barbant.

Friday Maths



Subtracting pairs of fractions

Sheet 2

Choose a fraction from the first set of fractions.
Look for a fraction in the second set that you can write as the same sort of fraction.
Subtract the smaller fraction from the bigger fraction.

$\frac{1}{2}$ $\frac{3}{4}$ $\frac{7}{8}$ $\frac{5}{6}$ $\frac{2}{3}$ $\frac{7}{10}$

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{1}{8}$ $\frac{3}{8}$

Challenge

Find and work out at least eight subtractions. Then choose two to check with addition.

Decimals and Fractions
Problem solving and reasoning questions

- Write three fractions equivalent to $^{20}/_{25}$.
- Look at the pattern in the denominators.
- Then write three fractions equivalent to $^{7}/_{21}$ and do the same.
- What can you predict about the pattern in the denominators of fractions equivalent to $^{3}/_{4}$?

Write the missing numbers to make each sentence true.

?/ = 8/ 4/ < 5/ ?/ > 7/

6 24 ? ? 6 10

How many times must I add $^{1}/_{5}$ to $^{1}/_{10}$ to get a total over 1?

Mystery fractions.

- Fraction A is half fraction B
- Fraction B is added to $^{6}/_{8}$ to give one whole.

Write fractions A and B in their simplest forms.

Friday Computing

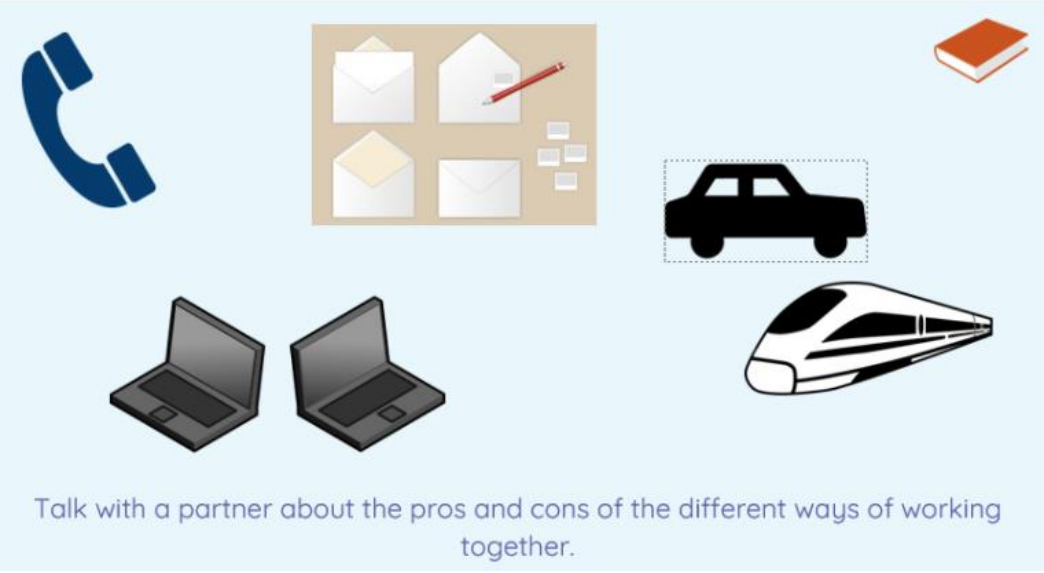
To explain how sharing information online lets people in different places work together

- I can recognise that connected digital devices allow us to access shared files stored online
- I can send information over the internet in different ways
- I can explain that the internet allows different media to be shared

Answer these questions:

- What factors are important for successful communication?
- Why do we use addresses?
- What are small parcels of digital information called?

Two people need to write a book together. They live 150 miles (240 kilometres) apart. In what different ways could they work together?



Using only your computer, compile a fact file with a friend on a topic of your choice. How will you communicate? Where will you save your resources and fact file? How will you organise who does what?

Out of 10, how effective do you think you were at working together?

- How do you feel after collaborating online today?
- Would you like to do more collaborating online in the future?
- Out of 10, how good do you think your project will be when it's finished?