<u>Year 5 - Home Learning Project - Week 13 - 13/07/2020: Perilous Peaks</u>

Daily activities:

English worksheet	Maths	Reading Plus	TTRS	PE session	A Topic activity
and tasks	Complete the White	Log into <u>Reading Plus</u> and	Working on Times Table Rockstars	Join Joe Wickes live	from the choices
Look at 'The	Rose Maths tasks at the	complete your weekly	- Can you complete all the set	every Mon, Weds and	below.
House in The	end of this document - 1	reading comprehension	games and challenge somebody in	Fri morning @ 9:00am	Try to complete all
Rainforest' and	per day. Ensure you	tasks and vocabulary tasks.	our school? Are you winning in the	or access it any time	of the tasks and
complete the	watch the video before	Site code: rpendea2	current Battle of the Bands?	throughout the day.	send your work to
tasks below.	you complete the task.	-			your teacher.

This week's themed learning is based around our <u>new topic</u> of **Perilous Peaks**.



Geography: The Alps

The Alps is the greatest mountain range of Europe. It reaches from Austria and Slovenia in the east through Italy, Switzerland, Liechtenstein and Germany; to France in the west. The original meaning of the word was 'white'. The highest mountain in

the Alps is Mont Blanc, at 4,803 metres (15,774ft) on the Italian-French border. Take a look at the majestic views and find out a bit more about these special mountains on

<u>BBC Bitesize</u>.

What else can you find out about the mountain range? What animals live there? Is the climate the same across all of The Alps? Complete further research on <u>Kiddle</u>. Look at the information sheet below and gather evidence under each heading. Remember to check different sources if necessary and where possible always try to put your research in your own words.

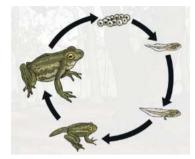
Art: Mountain Landscapes



Continuing with our theme of impressionism we're going to find out more about the artist Van Gough and sketch a mountain landscape in the same style as his famous painting "Wheatfield with Mountains in the Background, 1889".

Begin by finding out about the artist <u>here</u>. Then follow the steps found below to practise different areas of the painting.

Science: comparing life cycles



All living things go through a series of developmental stages known as a life cycle. For most plants and animals, the cycle begins when an ovum (egg cell) grows and matures into adulthood. At this point the organism is able to reproduce, and the cycle continues with the next generation. Some life cycles are very short, with organisms developing to adulthood in a matter of days or weeks. Other life cycles, such as that of the oak tree, can run for decades or even hundreds of years.

Task 1: think about what you have learned in the world around you and in your science lessons so far. Can you use this knowledge to answer these questions? Are there any you're not sure about?

- Do bats lay eggs because they have wings just like birds?
- Do whales lay eggs because they live in water just like fish?
- Do animals that look similar always have the same kind of life cycle?
- Do all animals that are a similar size always have the same kind of life cycle?
- Do animals that live in the same habitat always have the same kind of life cycle?
- Do only females carry and feed the young?

Task 2:

Mammals are warm-blooded animals with fur or hair on their skin and a skeleton inside their body. Mammal mothers produce milk to feed their babies. Look below at your science task information and read about the different life cycle stages for mammals. Choose your own mammal to research then draw and label the three main stages of life.

<u>Task 3:</u>

Amphibians are a class of animals like reptiles, mammals, and birds. They live the first part of their lives in the water and the last part on the land. When they hatch from their eggs, amphibians have gills so they can breathe in the water. They also have fins to help them swim, just like fish. Read about the life cycle of amphibians below and then present your findings in a fold or flip book.



Spanish: Numbers and Introductions Open the link on the Oak National

Academy home learning website to enjoy an online Spanish lesson with Senorita Harrison. In this lesson you

will recap on your knowledge of the Spanish alphabet and

Spanish numbers. After that, you'll practise Spanish introductions and perfect your pronunciation of the letter sounds in Spanish.



English Grammar: Prepositions

This week's focus is on prepositions. A preposition is a word that tells you where or when something is in relation to something else.

Read through the explanations and examples underneath and when you're finished the the energy mini quiz found h



finished try the grammar mini quiz found below.

Sticky Knowledge (remembering our previous learning):



History: Olympics

The first Olympics were held in Greece in 776 BCE. They were very different to the modern Olympics we experience today. Recap on your knowledge of the ancient games by watching this <u>Ted Talk video</u> and on <u>BBC Bitesize</u>.

What are the similarities and differences? Find out more on <u>this video link</u> (it might be useful to make notes when you get to 3.15 minutes) Complete the Venn diagram below to compare the ancient and modern Olympics, for example a similarity (put these in the middle intersection)

might be that both ancient and modern Olympics occur every four years. A difference might be that the ancient Olympics only had male competitors while the modern Olympics have men and women.



Geography: Biomes

Biomes are areas around the world with similar animals and plants, climate and landscape. Find out more about the different biomes on <u>BBC</u>



<u>Bitesize</u> and then complete the matching activity online. Find further information on <u>Kids Britannica</u>. Choose one biome and create an information poster.



Science: Evolution and Inheritance

This year we learned all about <u>evolution</u> (the way that living things change over time.) <u>inheritance</u> (When living things reproduce and pass on characteristics to their offspring) and <u>adaptation</u> (the process by which animals, plants and other living things have changed so that they better suit

their habitat) Recap on all of this knowledge by watching the three video clips on <u>BBC Bitesize</u>. When you're feeling more confident complete the quiz for each video.

Underneath, you will find a revision grid for the evolution and inheritance topic - complete each section using clear scientific language.

Website links mentioned above:

https://kids.kiddle.co/Alps - Kiddle information on The Alps https://www.bbc.co.uk/bitesize/topics/z3fycdm/articles/zb3ywty - BBC Bitesize Alps https://classroom.thenational.academy/lessons/introducing-yourself-in-spanish-591968 - Spanish numbers and introduction Oak National Academy https://www.bbc.co.uk/bitesize/topics/z87tn39/articles/z36j7ty - History sticky knowledge https://www.youtube.com/watch?v=VdHHus8IgYA - History sticky knowledge history of the ancient Olympics video https://www.youtube.com/watch?v=UdHHus8IgYA - History sticky knowledge comparison video https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zvsp2p - Geography sticky knowledge - Biomes BBC Bitesize https://kids.britannica.com/kids/article/biome/403913 Geography sticky knowledge - Biomes Kids Britannica https://www.bbc.co.uk/bitesize/topics/zvhvcw - Science sticky knowledge - evolution and inheritance



Research information about The Alps mountain range under the headings below. Remember to put information in

<u>your own words.</u>

What countries does The Alps	
mountain range span?	
mournain range spans	
Geography of The Alps e.g. highest	
peak, area in m² etc.	
Describe the climate of The Alas	
Describe the climate of The Alps.	
Is it the same throughout the	
whole area?	
What wildlife would you find there?	

What kind of plants and trees grow there?	
What do tourists enjoy in the area?	

Art - Van Gough Mountain Landscape



1) Sit quietly and take a good look at the painting. What do you notice? How does it make you feel? What colours have been used by the artist?

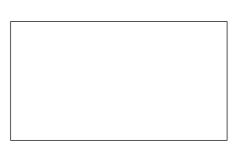
- 2) Van Gough has included various buildings. Zoom in on these. Look at the lines and angles he has used. Try to recreate these parts of the painting.
- 3) Look at the hills in the distance. How has the artist created this perspective? Look at the brush strokes and colour used for the wheat fields. Can you recreate this?





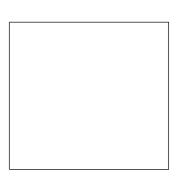








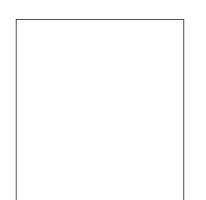


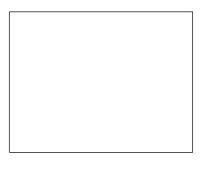


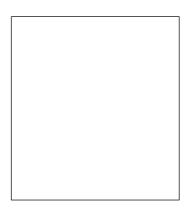












Science: comparing life cycles task 2

Start

Mammals

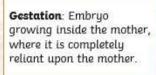
The life cycle of a mammal involves three main stages:

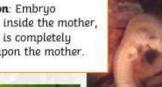


Independent adult usually seeks company from the opposite sex and mates. Adult female nurses their young.

Mammals:

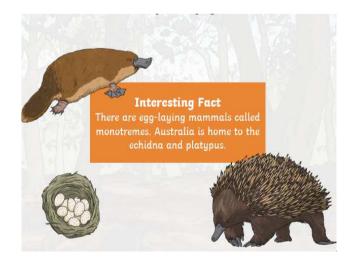
- have hair or fur;
- Are warm-blooded;
- feed babies milk;
- give live birth.





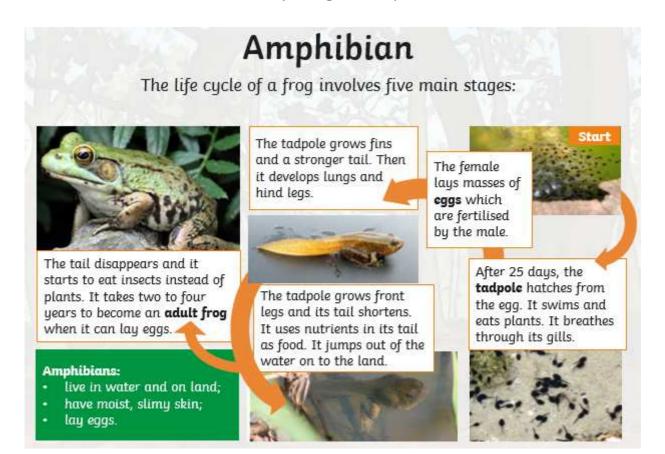
Young: Main period of growth and developing independence from the parents.

adult embryo young

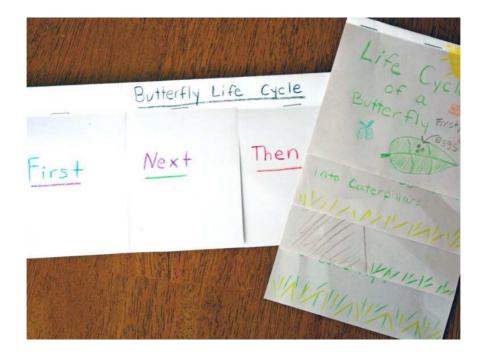


Choose a different mammal and draw the life cycle stages.

Science: comparing life cycles task 3



Can you use this information to create your own flip or fold book to present your learning about the life cycle of a frog (or a different amphibian)?



English Grammar: Prepositions

Prepositions of Location: The Rules

Prepositions are used to show the **location**, **time** or **movement** of nouns or pronouns.

Prepositions of location show the place or position of a noun or pronoun e.g.

The tools were inside the garden shed.

Behind the cloud, the sun peeped.

Harry sat under the shady tree.

Prepositions of Time: The Rules

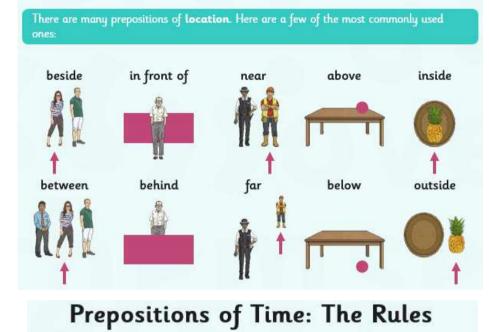
Some prepositions show time. The three most commonly used time prepositions are at, on and in.

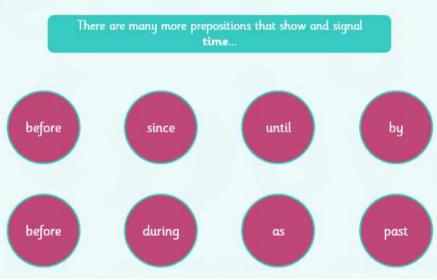
At the weekend, I am going to the cinema.

I go to swimming lessons on Thursdays.

Leaves turn brown in the Autumn.

Prepositions of Location: The Rules





Prepositions of Movement: The Rules

Other prepositions can show movement or direction.

Yasmin zoomed down the slide.

The pig jumped into the pond.

Ben reluctantly got out of bed.

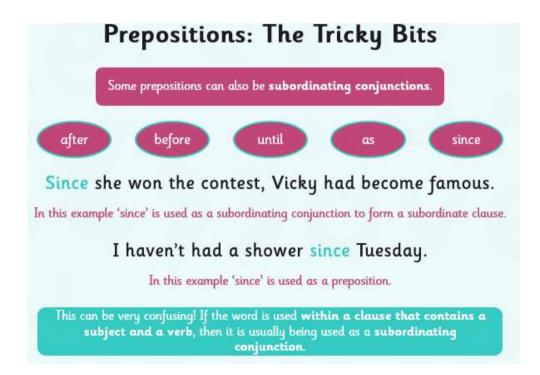
Prepositions of Cause: The Rules

Other prepositions can tell us about how something is **caused** by something else.

Due to the loud noise, Joy covered her ears.

The match was cancelled because of the weather.

Kyle was admitted to hospital as a result of his blood test results.



Now try this preposition mini test

1. Tick all of the sentences that contain a preposition.

The children walked across the field.

Jayden wants to stand by Emma.

They forget their PE kits and they don't bring their letters.

Her mum works in an office.



2. Tick the option that shows how the underlined word is used in the sentence.

The flowers grew beside the tree.

As a time preposition

As a cause preposition.

As a clause preposition.

As a place preposition.





3. Write a sentence using **before** as a preposition.

4. Explain how to get into your classroom using three or more different prepositions.

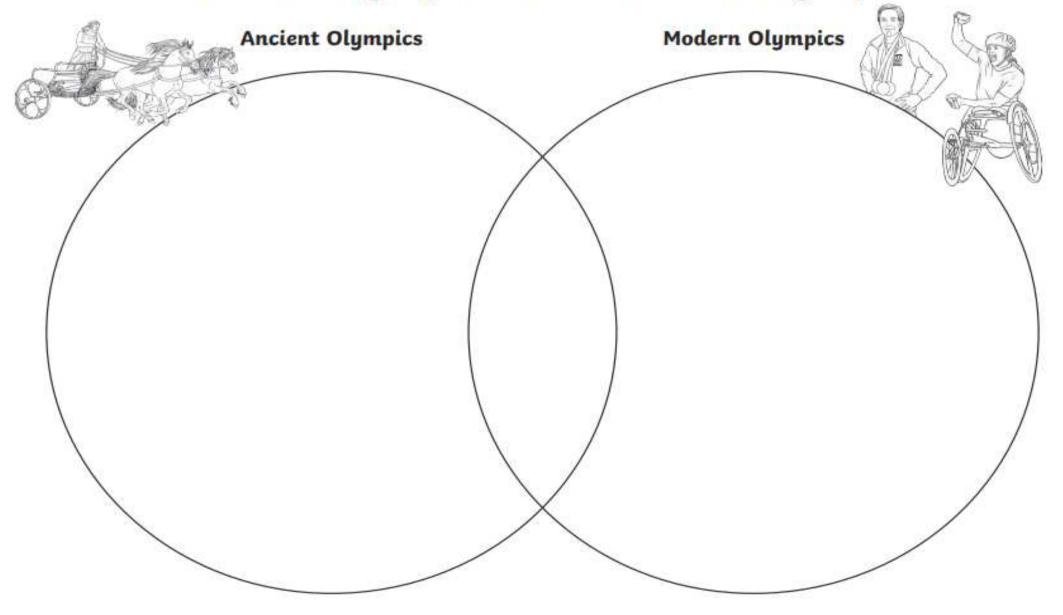
5. Put the prepositions in the table.

thanks to	because of	under	on Wednesday
through	at 2 o'clock	in spring	next to

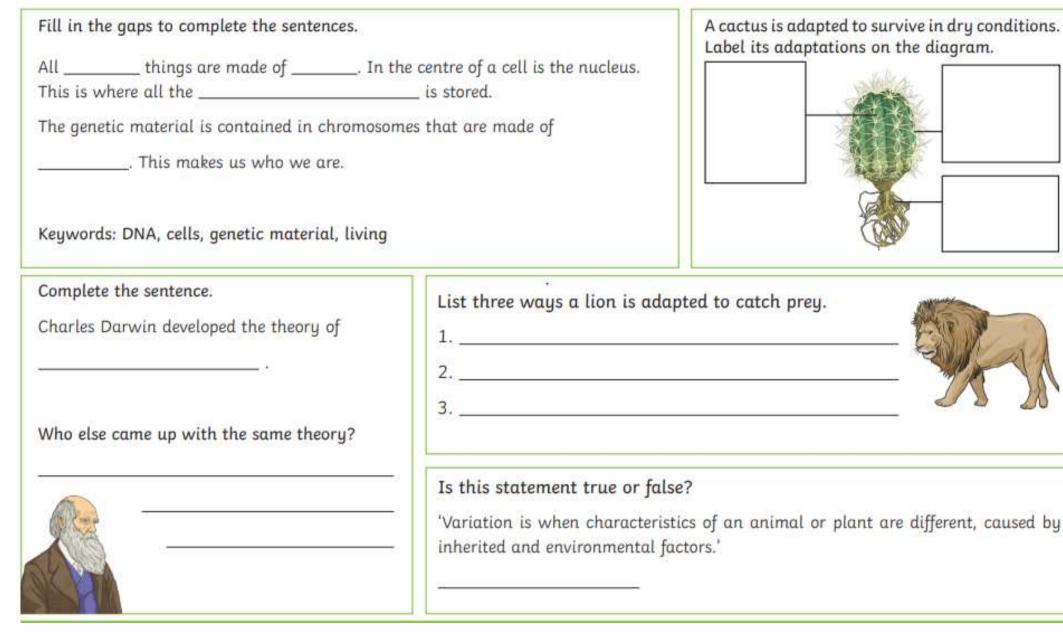
Prepositions for place	Prepositions for cause	Prepositions for time

History sticky knowledge: Ancient and Modern Olympics

Ancient Olympics vs. Modern Olympics



Science sticky knowledge: Evolution and Inheritance



English Home Learning Y5

<u>13/07/2020</u> -

Introduction.

Each week you will receive a set of English tasks. You should aim to complete one each day. Spending about 30 minutes on the picture and question time task, 45 minutes on writing and at least 20 minutes on grammar and spelling.

It is fine for you to ask for help from parents, siblings or your teacher through teams. If you love reading and writing and want more of a challenge you can keep writing stories based on your own ideas or other books you have read.

You can explore

<u>www.lovereading4kids.co.uk</u> or <u>www.newsela.com</u> to find more extracts to read and write about.

<u>A mysterious shadow</u>

Question Time

What is the difference between a shadow and a silhouette? What causes a shadow? Why do shadows sometimes change size? Can you make a shadow in a dark room? Why are shadows always black?

Tuesday 14th July 2020 Sick Sentences Year 5 - A Mysterious Shadow - Day 2

Sick sentences

These sentences are 'sick' and need your help to get better. Can you help?

The shadow went across the garden. A light shone. The shadow touched the lock and opened the door.

<u>Wednesday 15th July 2020</u> Grammar Sentence Challenge <u>Year 5 - A Mysterious Shadow - Day 3</u>

Sentence challenge

A preposition is a word which shows the relationship between one thing and another.

It may tell you where a thing is in relation to something else. E.g. The silver, shining bolt was on the door.

It may tell you when something is in relation to another event. E.g. She refused to leave the room until she knew the coast was clear.

Can you find any prepositions in your writing? Can you write 3 sentences that contain prepositions?

Is it possible to begin a sentence with a preposition? Can you end a sentence with a preposition? What about trying to start and end a

Read the beginning of the story based on 'A Mysterious Shadow' - can you complete the story in the same style? Don't forget to include the grammar you have been learning the last few weeks e.g. subordinate clauses and prepositions.

Story starter

It happened in the dead of night. The garden light illuminated the person, casting a mysterious shadow.

As silent as a whisper in the night, the figure stealthily crept towards the green, wooden doors. Click...The key slipped into the metal lock, the cold mechanisms inside responding to the familiar shape of the object that had been slipped inside. Seeing the padlock pop open as expected, the figure slipped the slender bolt across into its resting position. The doors groaned agonizingly, the figure turning to survey the surrounding area, alarmed at the loudness of the sound their actions had made.

The coast seemed clear. Resuming their mission, the shadow slipped inside the room. There it was. This was the sight and moment they had been waiting for...

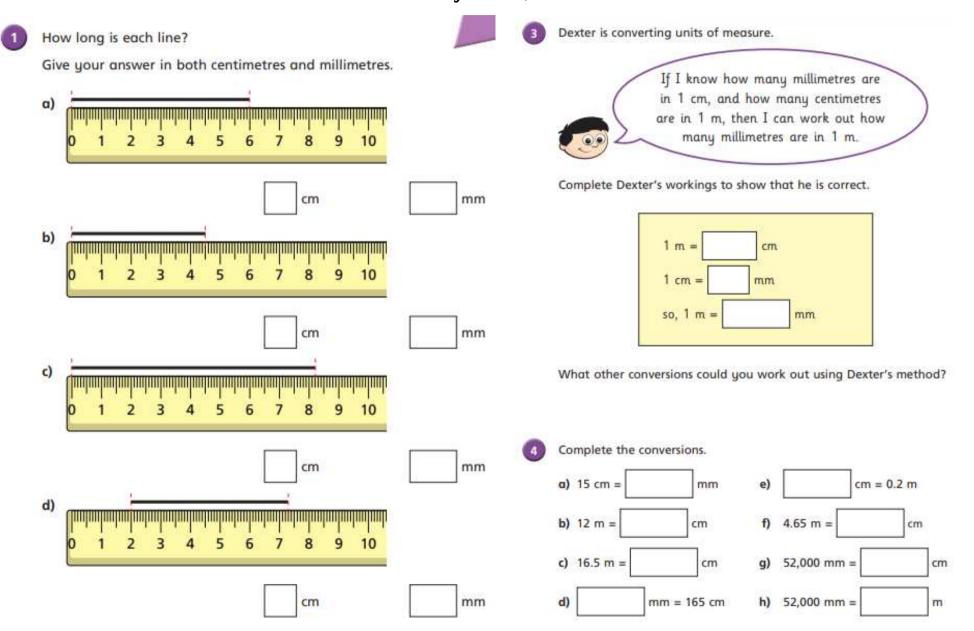
Friday 17th July 2020 Spelling

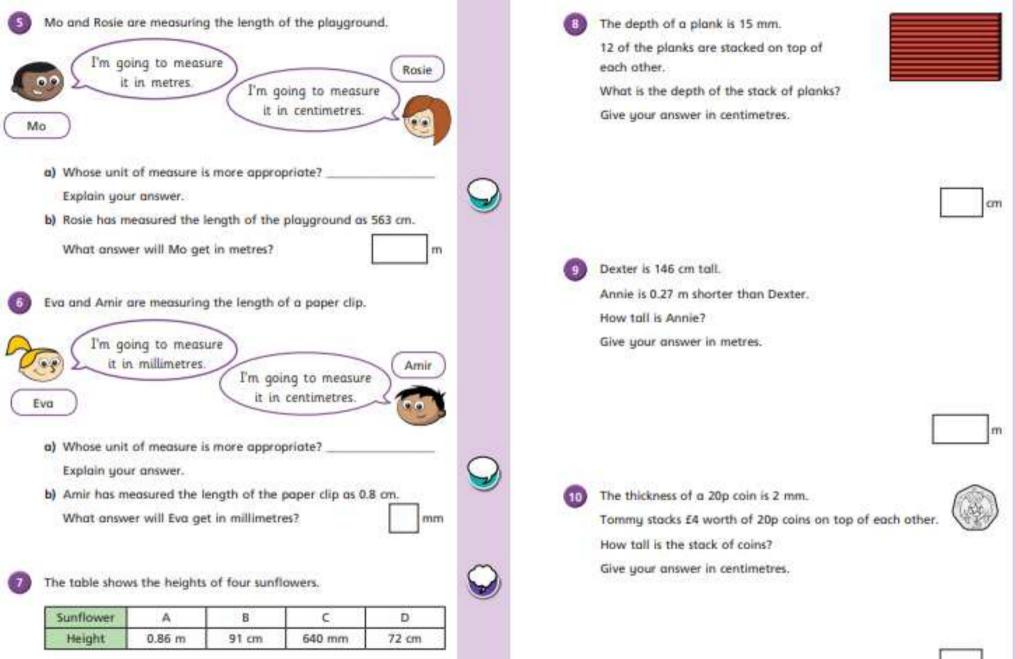
<u>Year 5 - A Mysterious Shadow - Day 5</u>

definite desperate develop dictionary disastrous embarrass environment equipment equipped	correspond	criticise	curiosity
dictionary disastrous embarrass	·		·
		•	·
environment equipment equipped	dictionary	disastrous	embarrass
	environment	equipment	equipped

Year 5 Home Learning – Maths Lesson 1: Metric Units - Monday 13th July 2020

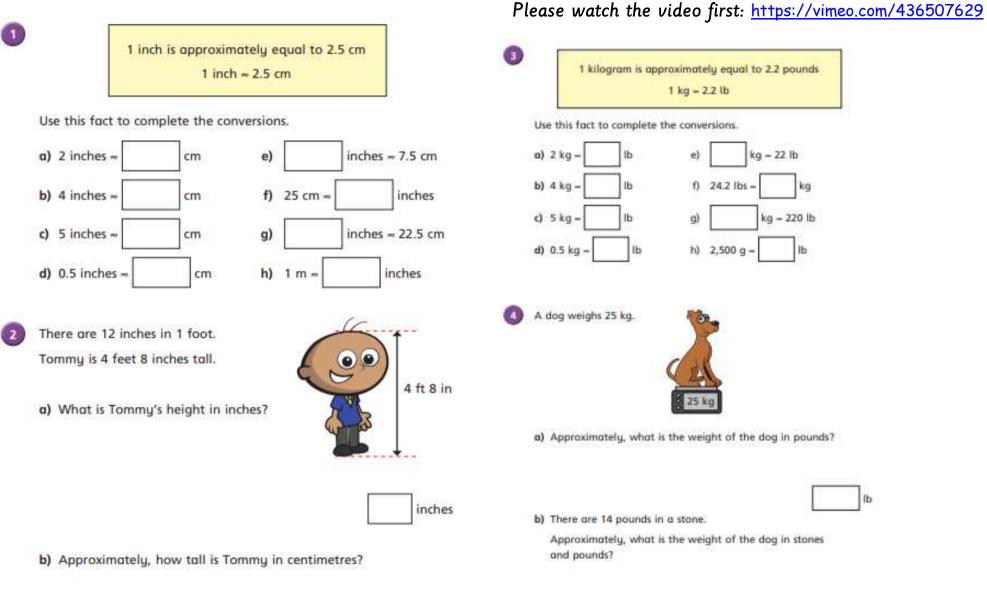
Please watch the video first: <u>https://vimeo.com/436507484</u>





Put the sunflowers in order, starting with the shortest.

cm



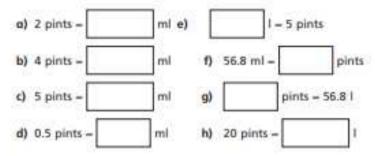
cm





1 pint is approximately equal to 568 millilitres 1 pint – 568 ml

Use this fact to complete the conversions.



The capacity of a barrel is 11.36 l.

a) Approximately, what is the capacity of the barrel in pints?



b) There are 8 pints in a gallon.

Approximately, what is the capacity of the barrel in gallons?



A set of scales is balanced. О 5 kg 2.4 lb What is the weight of the box? Give your answer in pounds. A milkman delivers 50 pints of milk a day. 8 How many litres of milk does he deliver in a full week?

łЬ

lb

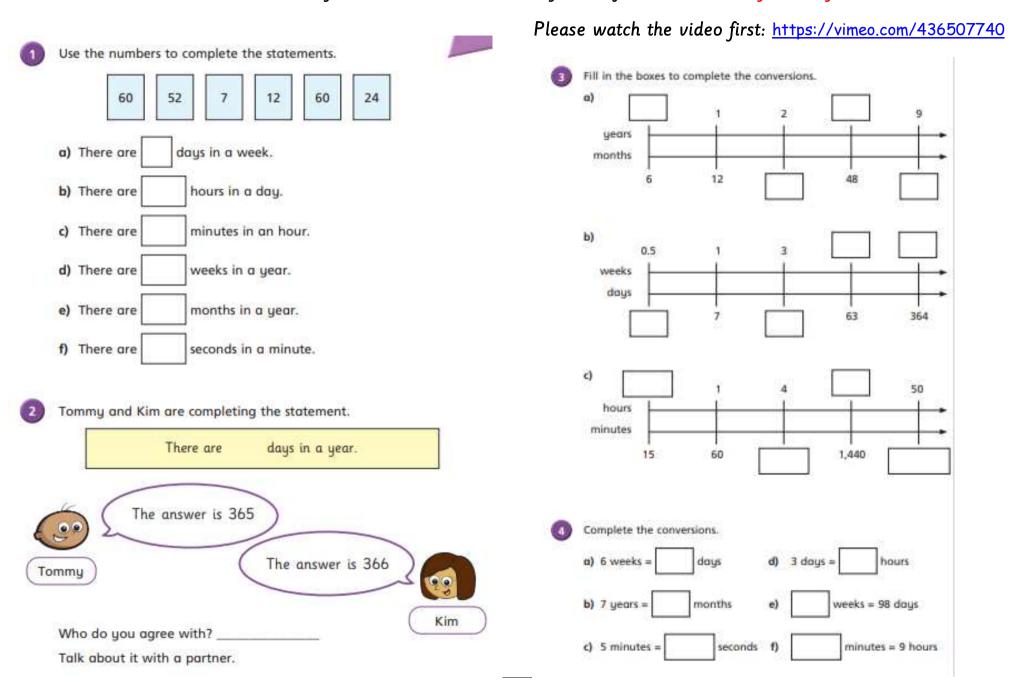
The average weight of a newborn baby is 7.5 lb.

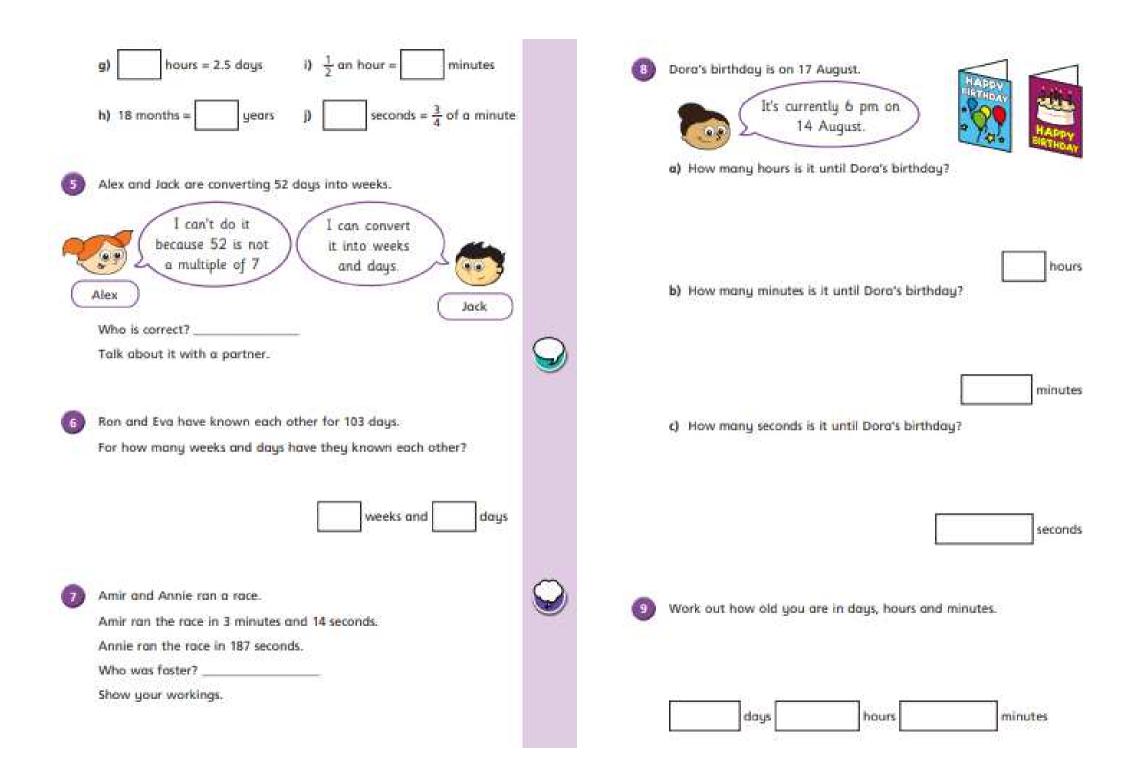
Dora weighed 3.5 kg when she was born.

Did Dora weigh more or less than the average weight when she was born?

Approximately, how much more or less than the average did she weigh?

Year 5 Home Learning – Maths Lesson 3: Converting Units of Time – Wednesday 15th July 2020





Year 5 Home Learning – Maths Lesson 4: Timetables – Thursday 16th July 2020

2



Here is a bus timetable.

	Bus A	Bus B	Bus C
Green Park Road	08:45	09:00	09:15
Forrest Drive	09:05	09:20	09:35
Summerville Street	09:22	09:37	09:52
Penny Bridge	09:40	09:55	

- a) What time does Bus A arrive at Green Park Road?
- b) What time does Bus B arrive at Summerville Street?
- c) What time does Bus C arrive at Forrest Drive?
- d) Each bus takes the same amount of time to get from Green Park Road to Penny Bridge.

What time does Bus C arrive at Penny Bridge?

Please watch the video first: <u>https://vimeo.com/436507852</u>

Here is an extract from a TV guide.

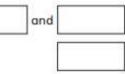
7:00	17:30	18:00	18:30	19:00	19	:30	20:00
News	Catch it!	Giant George	Wilson Street		News	Detect	ive Files

a) At what times is the news on?

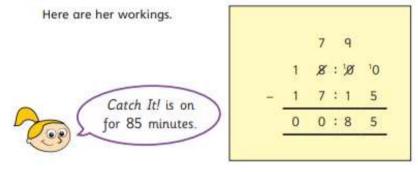
Do you agree with Eva? _____ Talk about it with a partner.

e)

b) What time does Detective Files start?



- c) How long is Wilson Street on for? _____
- d) Eva is working out how long Catch It! is on for.



The news is on for half

an hour in total.



e) Eva needs to be at Summerville Street by 9:35

Which bus does she need to get from Green Park Road?

Here is part of a train timetable.

					OD
St Pancras	06:25	05:40	06:55	07:05	07:22
Stratford	06:32	06:47	07:02	07:12	07:29
Ebbsfleet	06:43	06:59	07:15	07:23	07:40
Ashford		07:19		07:42	
Gravesend	06:47	-	07:18		07:43

- a) How many of the trains go all the way from St Pancras to Gravesend?
- b) How long does the 06:40 take to get from St Pancras to Ashford?

minutes

c) Which train takes the least amount of time to get from St Pancras to Gravesend?

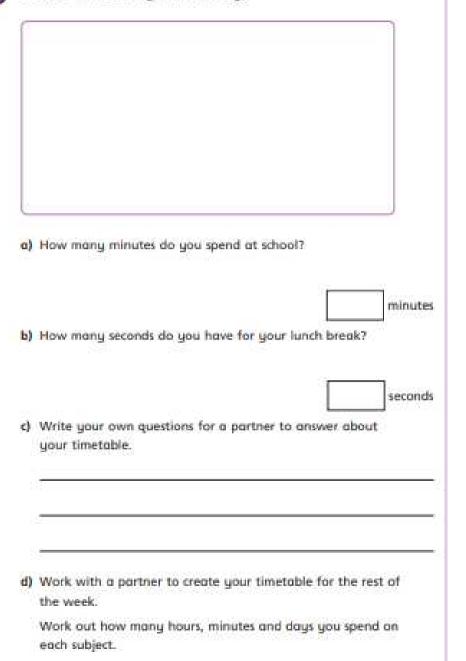
In this timetable, all the trains stop at every station and the time taken between stations does not change.

Fill in the missing information.

		00	00	OL
Aberford	08:30	11:00	13:10	
Cartown		11:22		
Donville			13:47	
Highborough			14:01	
Southland	09:57			16:03

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Draw a timetable of your school day.



Year 5 Home Learning – Maths Lesson 5: Friday challenge – Friday 17th July 2020

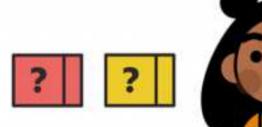
Challenge 1

Sam has some red and yellow cubes.

She has 20 cubes in total.

She has 8 more yellow cubes than red ones.

How many red cubes does she have?



Challenge 2

Jon thinks of a number.



Half of his number is 12.

What is one third of Jon's number?

Challenge 3

A cup contains some coffee.

Sasha drinks 2/5 of the coffee.

There is 120 ml of coffee left.

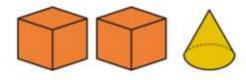
How much coffee was in the cup at the start?

Challenge 4

A cube weighs 87 g.



Two of the same cubes and a cone weigh 291 g.



How much does one cone weigh?



Challenge 5

Rani, Layla and Tash take part in a basketball competition.



- Rani scores 4 times as many baskets as Layla.
- Tash scores 8 baskets less than Rani.

They score 100 baskets in total.

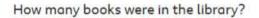
How many baskets does Tash score?

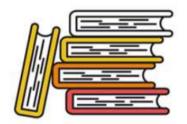
Challenge 6

There are three times as many fiction books as nonfiction books in a library.

122 fiction books and 24 non-fiction books are loaned out.

There are now twice as many non-fiction books as fiction books.





Year 5 Home Learning – Maths Lesson 5: Friday challenge – Friday 10th July 2020