HILL WEST
Primary

FOUR OAKS

Home Learning Pack
Year 5;
Autumn 1 Week 7

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=Mjk5MzQ6MTpJUjA5MjAxNjoy OmNsaWVudDE2OTc6MTY5NzoyMjE2Mjg4OjE6MTU4NDM4MDExMzA2Mjp1cw%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/

Monday
Maths

Use column subtraction (decomposition) to subtract pairs of 4-digit numbers and to subtract 3-digit numbers from 4-digit numbers.

Day 1: Use column subtraction (decomposition) to subtract pairs of 4-digit numbers and to subtract 3-digit numbers from 4-digit numbers.

Let's revise how to use *expanded*; then *compact* column subtraction...

Start with the 1s. We need to move a 10 from the 10s.

Now let's look at the 10s. We need to move a 100 from the 100s.

Finally we subtract the 100s.

Expanded column subtraction...

$$
\begin{array}{rrr}
 & 110 & \\
300 & \cancel{10} & 17 \\
4\cancel{00} & \cancel{20} & \cancel{7} \\
- 200 & 50 & 8 \\
\hline
100 & 60 & 9 \\
\end{array}
$$

169

Day 1: Use column subtraction (decomposition) to subtract pairs of 4-digit numbers and to subtract 3-digit numbers from 4-digit numbers.

Start with the 1s. We need to move a 10 from the 10s.

Now let's look at the 10s. We need to move a 100 from the 100s.

Compact column subtraction...

$$
\begin{array}{rrr}
 & 11 & \\
3 & \cancel{1} & 17 \\
\cancel{4} & \cancel{2} & \cancel{7} \\
- 2 & 5 & 8 \\
\hline
1 & 6 & 9 \\
\end{array}
$$

Finally we subtract the 100s.

Day 1: Use column subtraction (decomposition) to subtract pairs of 4-digit numbers and to subtract 3-digit numbers from 4-digit numbers.

Start with the 1s.
We need to move a 10 from the 10s.

Now let's look at the 10s.
We don't need to move a 100 from the 100s.

$$
\begin{array}{r}
8\ \ 12\ \ 3\ 10 \\
\cancel{9}\ \cancel{2}\ \cancel{4}\ \cancel{0} \\
-1\ \ 4\ \ 2\ \ 5 \\
\hline
7\ \ 8\ \ 1\ \ 5
\end{array}
$$

Next we subtract the 100s.
We need to move a 1000 from the 1000s.

Finally we subtract the 1000s.

Use expanded or compact decomposition to work out the answers.
Use addition to check two of your answers.

3478 – 1295   4569 – 2625

5890 – 4575   7572 – 3647

9215 – 5853   5803 – 2368

6138 – 3245   7421 – 5289

English

- Match the rhetorical question to the correct topic.

Young children should not be allowed to watch TV.	Haven't you always longed to go home when it's too hot to work properly at school?
It is cruel to keep animals in cages.	Have you ever wondered what it would be like to live in a mansion or to have people from all over the world recognise your face?
School uniforms should be banned.	Do you enjoy eating ice cream by the beach on a warm, sunny day?
Being famous would be the best thing in the world.	Wouldn't you love to be able to wear whatever you wanted to school each day?
Summer is the best season of the year.	How would you feel about being kept in a cage, locked up with hardly any space to move around in?
Schools should be closed on days over 30°C.	Did you know that too much time in front of a television can seriously affect children's eye health?

Formal

We use formal language when:
- Talking/writing to someone we don't know;
- Writing non-fiction such as instructions, explanations or reports;
- Writing formal letters.

Informal

We use informal language when:
- Talking/writing to someone we know well;
- Writing letters to friends and close family;
- Writing emails and texts to people we know.

Main Activity- write the letter and include the formal tone of writing.

Dear/Hello Sir or Madam,

I am writing to _let you know/inform you_ that a pizza I _was unlucky enough/had the misfortune_ to order at your restaurant was _despicable/rubbish_.

The cheese was _flavourless/gross_, the tomatoes _gone off/rotten_, and the base _chewy as rubber/impossibly tough_.

Never will I eat at your _establishment/joint_ again. Not only was the food _pants/terrible_, but the waiting staff were _snooty/aloof_, and I had to wait two hours for my _grub/dinner_!

I _demand/want_ a refund, to be paid _now/immediately_.

Yours faithfully/Cheers,

Re-write the letter. the underlined parts contain both formal and informal language. Choose the formal language in the underlined parts and complete the letter.

PE

Practise your throwing skills. Find a ball and with one of your hands point towards where you want your ball to go, hold your throwing arm behind your head and throw the ball, twisting your body to where you want your ball to go.
Then practise you under arm throw. Throw the ball in the air and try to catch it with one hand. Once you feel confident with this, try catching it with your weaker hand.

Tuesday
Maths

Day 2: Use column subtraction (decomposition) to subtract pairs of 4-digit numbers and to subtract 3-digit numbers from 4-digit numbers.

To find the height of the balcony we need to subtract 453 from 8848.

Start with the 1s. *We don't need to move a 10 from the 10s.*

Now let's look at the 10s. *We need to move a 100 from the 100s.*

Next we subtract the 100s. *We don't need to move a 1000 from the 1000s.*

Finally we subtract the 1000s.

Notice how the digits are aligned to the right – that's *really* important.

Heights to descend from Everest summit to base camp

The summit		8848m
'The balcony'	Descend 453m	
Camp 4	Descend 460m	
Camp 3	Descend 467m	
Camp 2	Descend 890m	
Camp 1	Descend 495m	
Base camp	Descend 703m	5380m

```
      7 14
  8  8̷  4̷  8
 -   4  5  3
  8  3  9  5
```

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What if the balcony was 952 metres below the summit? Calculate its height.

Work out the height above sea level of each base camp.
5380m should be the answer to your last subtraction. If not, work out where your mistake is!

The summit		8848m
'The balcony'	Descend 453m	
Camp 4	Descend 460m	
Camp 3	Descend 467m	
Camp 2	Descend 890m	
Camp 1	Descend 495m	
Base camp	Descend 703m	5380m

English

• Where do our full stops and capital letters go?

i will soon visit my nan at her farm nell and her sister may join me she will let us feed the hens she has goats and cows as well as hens it is fun on the farm

max and vikram sail a wooden boat jeff chucks bits of bun in the river for the ducks yasmin sits on a rock and looks for fish bill and bob see an eel ken the dog sits down in the mud and gets in a mess

jack and liz went to the zoo they saw the frogs and the crabs in the morning they saw chimps as they had lunch then they went to see the ants and a kangaroo they did not see a panda or a snail

Read the following extract:

On July 20th 1969, Neil Armstrong clambered down the ladder of the lunar module *Eagle* and became the first human being to stand on the surface of the moon. *The History News* gave a glowing report of this monumental milestone in the history of space exploration.

Mesmerised, one-fifth of the entire population of the world watched TV in wonder as American astronaut Neil Armstrong stepped on to the surface of the Moon.

On 16th July, three men left Earth in their space capsule *Apollo 11*, thrust into space by its awesomely powerful *Saturn 5* rocket. Four days later, the astronauts arrived at their destination – the Moon!

"That's one small step for man, one giant leap for mankind," his voice echoed round mission control in Houston, Texas, 384,000 kilometres away.

A few seconds later, Armstrong was joined on the surface by Edwin 'Buzz' Aldrin. The third member of the crew, Michael Collins, was still in orbit around the Moon. He had remained in *Apollo 11's* command module *Columbia*.

Armstrong and Aldrin explored the area of the moon where they had landed before they proudly erected a US flag with a special wire frame to hold it (as there is no wind on the Moon). Then they collected samples of the rocks that litter the Moon's landscape to take back for analysis at a laboratory on Earth.

After completing their tasks, the pair returned to *Eagle*, ignited the engine and headed for their rendezvous in space with *Columbia*.

The United States have now fulfilled the first part of President Kennedy's promise – to land a man on the moon – now they need to accomplish the second, to return him safely to Earth.

1. What fraction of the population of the world watched the Moon Landing?
2. Who said the famous quote "That's one small step for man...."?
3. How many miles away from Houston were the astronauts?
4. When did the mission begin?
5. Where did the *Eagle* capsule "*Rendevous*" and with what?
6. Which material was used to put up the flag?

Science

1. Amy is finding out about the Moon.
   a) What does the Moon orbit?

   ----

   b) How long does this orbit take?

   ----

2. Daniel is finding out about the Earth.
   a) How long does it take for the Earth to spin once on its axis?

   ----

   b) Draw a diagram showing how the the Sun, Earth and the Moon are arranged, and showing what orbits what.

   ┌──┐
   │   │
   │   │
   │   │
   │   │
   │   │
   │   │
   │   │
   └──┘

Wednesday
Maths

Choose whether to use counting up (Frog) or column subtraction (decomposition) to subtract pairs of 4-digit numbers.

Maths Frog is going to work out
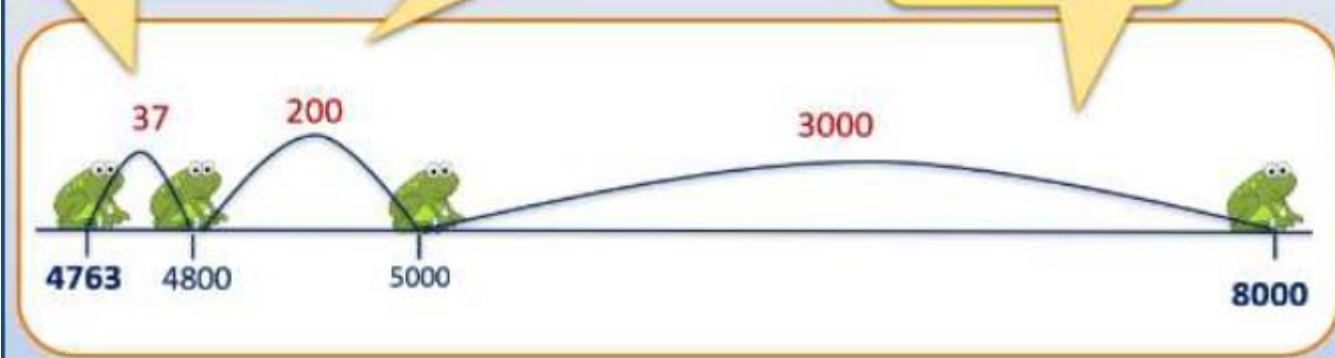8000 − 4763

Now we need to add the jumps and hops:
3000 + 200 + 37 = 3237

So 8000 − 4763 = 3237

Frog is using pairs to 100 to make the first hop from **4763** to 4800.

Another **200** to jump from 4800 to 5000...

Now frog makes a huge jump of **3000** to 8000.

37   200   3000

4763 4800   5000   **8000**

3457 − 2786   4005 − 3968   6021 − 4987   7356 − 4264

- Look at these two subtractions... Choose column subtraction (decomposition) to solve one and Frog (counting up) to solve the other. Which do you think would be most efficient or straightforward?
- Share your decisions with a partner, explaining your choices.
- Now we're going to vote for your choices of method.
- Let's try both methods for these two subtractions.
- Now let's vote again for a method for the third and fourth calculations.
- Use the methods *you* have chosen to work out the answers to these two subtractions.
- It is usually easier to use Frog if the larger number has 2 or 3 zeros in it, or is close to a multiple of 1000, like 6021.

4002 - 3978	6453 - 3214	7809 - 4217
7526 - 3841	8015 - 6789	6005 - 5997
7803 - 5420	5674 - 2715	7124 - 5463
8009 - 3475	9874 - 3250	5237 - 4301
7025 - 6967	8150 - 6344	6000 - 4372

English

In this lesson, we need to plan our newspaper reports. Before we begin planning our reports, we are going to look at the opening paragraph, what is included in the opening paragraph of a newspaper report? (Click for answer).

The 5 W's: What – Where – When – Who – Why

Apollo 11 Moon Landing Newspaper Report Planning

My Headline:	Who?	What?
When?	**Where?**	**Why?**

Quotes I will include:

Key details and facts that I will include:

Computing

Describe the process for using a traffic light crossing.

Puffin pedestrian crossing

Have you ever noticed this?

What do you think it is?

It's a set of sensors. The sensors can:
- Detect people by the crossing
- Detect people on the crossing
- Detect cars

How do you think the system uses the sensors to make the crossing better?

Where else can you think of which uses big digital systems?

Catalogue store

Order point	Warehouse	Collection point
Order is sent to the warehouse	Ordered items are picked from the shelf	'Order ready for collection' message is displayed in store
Tablet is used to choose items	Items are taken to the shop floor collection point	Shop staff tick off items on the customer's receipt
Tablet is used to look at items to buy	Warehouse computers keep an up-to-date stocklist	Receipt showing items ordered is given to staff
Receipt showing items ordered is printed	Items are marked off as picked	Ordered items arrive at the collection point ready for collection
Tablet shows what's in stock and shows the price	Computer shows staff where items are in the warehouse	Items are marked as collected on the computer
Customer pays for items; this is their order	Order is received from the shop floor	Items are handed over to the customer

Which of the tasks above are done by humans and which are done by computers?

How des the catalogue store help customers? How does it help employees?

Thursday

Maths

Use place value to add and subtract; Add and subtract near multiples.

25,247

Write 25,247 at the top of your whiteboard.

25,648

Use place value to add 401. Write the new number on your whiteboard.

Which digits changed?

22,643

Use place value to subtract 3005.

Which digits changed?

25,247

Write 25,247 at the top of your whiteboard.

35,247

Add 10,000.

35,246

Use the answer above to work out 25,247 + 9999.

35,237

Use your first answer to work out 25,247 + 9990.

35,147

Use your first answer to work out 25,247 + 9900.

What adjustment did you make each time?

Spot pairs of numbers which you can add or subtract mentally using place value or near multiples to help. Find at least 5 pairs to subtract and at least 5 pairs to add.

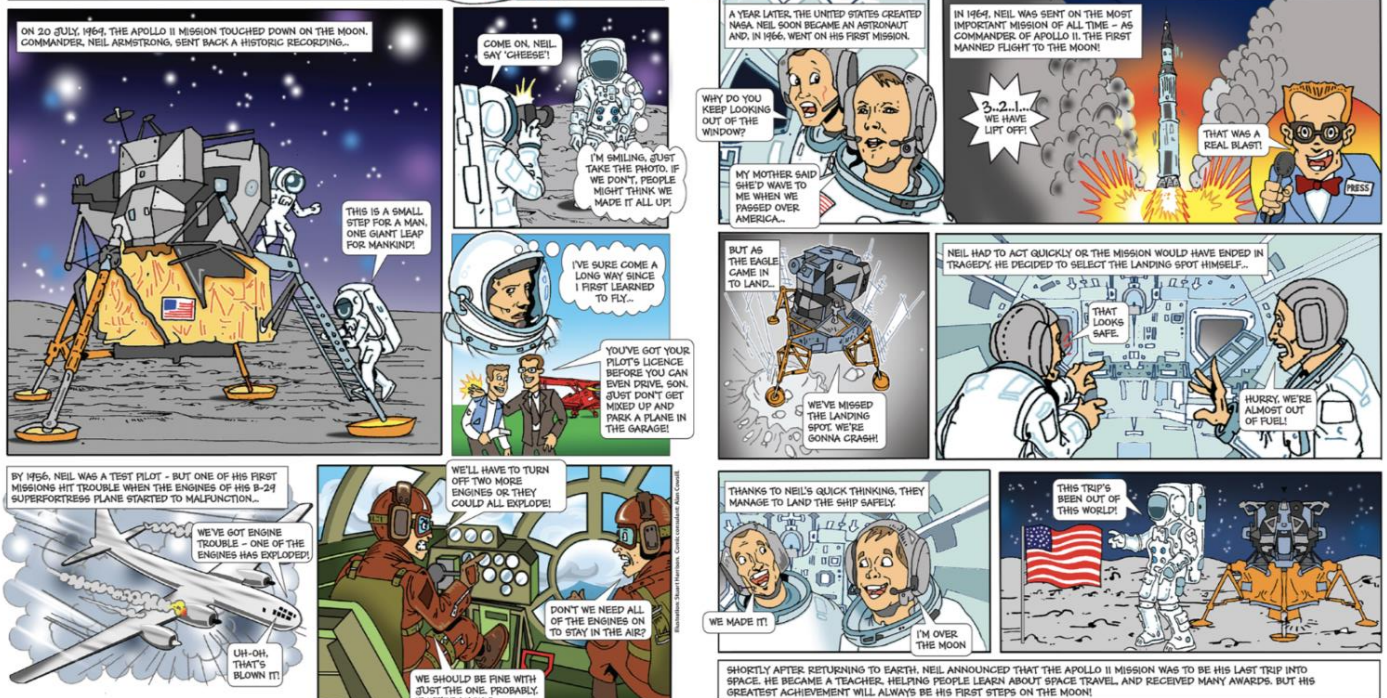|		
3428	299	4591
1020	320	
6666	2999	199
5783	201	
999	654	

Challenge

How many times can you subtract 499 from 9994 till you get to 7000?

English

1. Why did the author decide to give it the title 'The World's Greatest Heroes'?
2. Why has the author presented this information in a comic strip?
3. How has the author made this piece engaging for their target audience?
4. Why did the author include an '*Epilogue*' at the end to tell you what happened to Neil Armstrong after the mission?

Challenge: Recommend this text to a friend, convince them to read this.

<u>LO: To write a newspaper report about the Apollo 11 moon landing.</u>

Headline/Title!

One of the features of a newspaper report is a catchy headline that uses rhyme, a pun or alliteration. Think of your own exciting headline for your report. Remember, the headline is important because it needs to hook your reader and make them want to read on.

Main Body – What to include

- The newspaper body includes all the details of the news story and should be **split in paragraphs** to help the reader digest the information.
- Each paragraph tells one part of the story
- The main body should contain facts and **not personal opinions** and should be chronological.
- The last paragraph should sum up the story and bring it up to date.

<u>Challenge:</u> Can you include a quote from an onlooker using accurate reported speech?

Write a newspaper report about the Apollo 11 Moon Landing. Your report must include:
An introduction paragraph that covers: Who, What, Where, Why and When.
A catchy headline
Column structure (like a real newspaper!)
Facts in chronological order
Reported speech from onlookers who where there
A concluding paragraph which brings the story up to date.

RE

Five Days of Diwali The way that Diwali is celebrated can be slightly different between countries, cultures and religions. In some areas, the celebration lasts for three days and in others for five days. A traditional five-day celebration can be divided as follows:

Day 1: Dhanteras (Day of Fortune) Images of the goddess Lakshmi are worshipped. The word 'fortune' refers not just to money and wealth but general well-being too. However, this can be a popular shopping day, specifically for gold, silver, ornaments, new clothes and utensils. It is also a time for sharing wealth with others, replacing feelings of greed with generosity. As it is the first of the five-day celebration, Hindus clean their homes and workplaces. Rangoli designs may be made of coloured rice, sand or flowers on the floor.
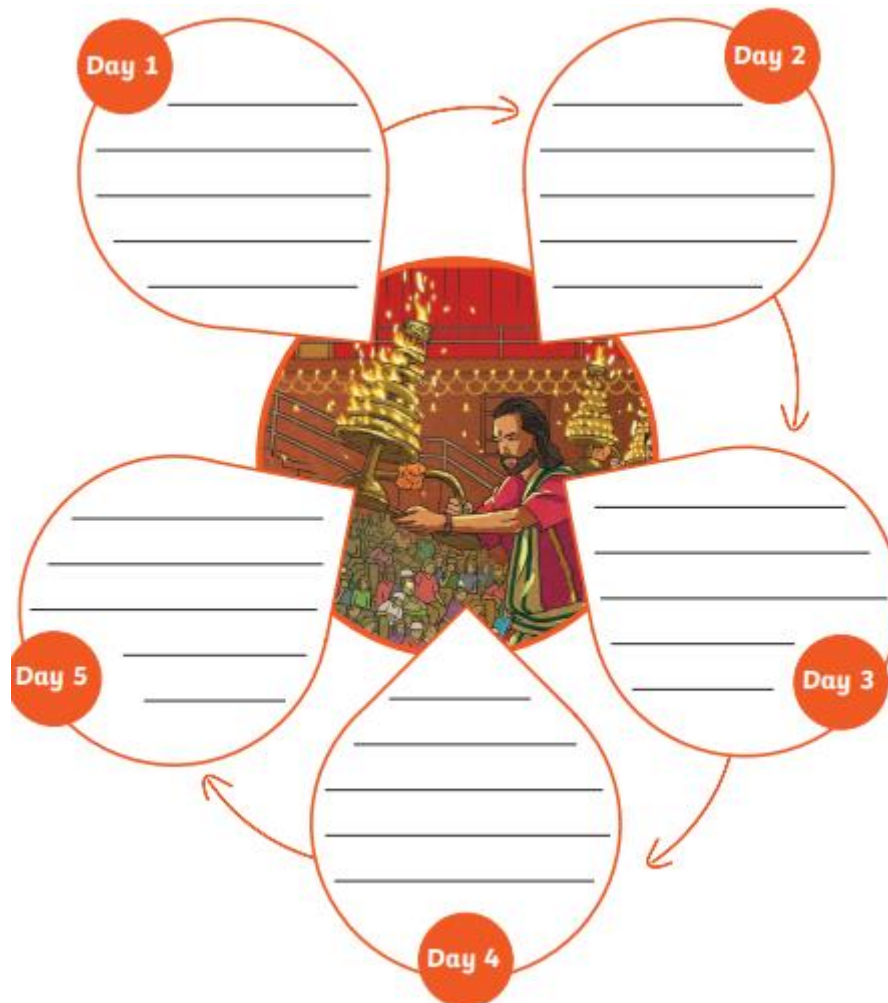
Day 2: Naraka Chaturdashi (Day of Knowledge) The second day is related to the traditional story of Lord Krishna defeating the demon Narakasura, freeing the world from fear. Hindus may get up before sunrise on this day to take a cleansing bath and then put on new clothes, followed by enjoying a relaxing meal with family and friends. It may involve preparing and exchanging gifts and special sweets.

Day 3: Diwali (Day of Light) The third day is the main, and most important, day of Diwali. It is dedicated to worshipping the goddess Lakshmi, the Hindu goddess of wealth, fortune, prosperity and the embodiment of beauty. Families gather and celebrate by lighting lanterns and candles in their homes to show the triumph of good over evil. Sometimes fireworks, sparklers and fairy lights are used to light up the sky outside. In the evening, it is common for families to visit temples or gurudwaras to light candles.

Day 4: Padwa/Govardhan Puja (New Year) There are several variations in the way that the fourth day is celebrated in different regions or cultures. Many businesses remain closed. In some cases, it is celebrated as Govardhan Puja, honouring a legend of the Hindu god Krishna. Food is presented in temples as a symbolic offering. In others, the tradition is to celebrate the bond between husbands and wives. In some states, it is celebrated as the day of new year and in others, the worship is focused on instruments and machinery.

Day 5: Bhai Dooj (Day of Love between Siblings) The fifth day traditionally focuses on the bond between brothers and sisters. Siblings share their love for each other with a meal and gifts. Brothers show their sisters respect and offer them protection. The sisters prepare sweets specially in honour of their brothers, wishing them a long, happy, healthy life and great success.

Compete the information in the boxes to describe some of the traditions from the five days.

Friday

Maths

L.O. Revising subtracting and adding 5-digit numbers

8783 + 4129

- Round each number to the nearest 100, then add to make an approximation.
- Now use column addition to find the exact total.
- How far off the exact answer was your approximation?

> Can you use your skills in adding 2-digit numbers to help?

35,272 + 28,345

- We can use same method to work out this addition – we just have more digits!

```
   3 5 2 7 2
 + 2 8 3 4 5
     1   1
 _____
   6 3 6 1 7
```

32,457 − 15,829
using expanded addition

```
              11,000
    20,000   1000  1400  40  17
    30,000   2000   400  50   7
  - 10,000   5000   800  20   9
    10,000   6000   600  20   8
```

16,628

Start with the 1s. *We need to move a 10 from the 10s.*

Now the 10s. *We don't need to move a 100 from the 100s.*

Next the 100s. *We need to move a 1000 from the 1000s.*

Next the 1000s. *We need to move a 10,000 from the 10,000s.*

Finally we subtract the 10,000s.

Write two additions with totals over 10,000.
All digits in each addition must be different!

1. 7543 + 3251

2. 8238 + 2793

3. 7378 + 4284

4. 8328 + 4127

5. 6753 + 3842

6. 8726 + 3784

7. 9278 + 3746

8. 8657 + 5846

Find the difference in numbers of website hits for each day.

Day of the week	am	pm	Difference in number of hits
Sunday	36,432	57,478	
Monday	19,758	24,642	
Tuesday	21,427	32,846	
Wednesday	16,375	25,342	
Thursday	18,631	26,492	
Friday	17,563	42,869	
Saturday	33,642	58,567	

English

- Use each word in a sentence.

isle	aisle
aloud	allowed
affect	effect
herd	heard
past	passed

Review One Giant Leap for Mankind and World's Greatest Heroes

What are the similarities and differences between these texts?

Similarities	Differences
• **About Space, Apollo 11**	One has facts, the other has humour.
• **Title**	Animated pictures and real pictures.
• **The Moon**	Comic vs fact file, newspaper report.

Which text do you prefer?

LO: To edit our newspaper reports

Read through your newspaper reports. Does it have the following:

	🙂	🤔	😭
A catchy headline.			
The 5 W's in your introduction.			
Facts about what happened in chronological order.			
Quotes from onlookers.			
A concluding paragraph which brings it up to date.			
A catchy headline.			

French

Revise the sports from our lesson.

Le f _ _ t

Le ru _ by

Le t _nni_

Le _ ki

Le cr _ ck _ t

Le ba _ k _ t

Le _ _ tba _ _

Le vo _ l _ y

Le j _ _ _

La g _ mn _ st _ qu _

Le k _ _ a _ _

La _ at _ _ n

L'a h _ ét s _ e

Le _ a _ i a _ e

Le c _ _ _ i _ m _

Using the question phrase 'Tu aimes' – Do you like? Make questions about the different sports. Interview your family.

Do you like gymnastics?

Do you like athletics?

Do you like cycling?

Do you like cricket?

Do you like swimming?

Do you like judo?

Do you like football?

Do you like basketball?