Home Learning Pack

Year 5
Spring Term Week 4

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.

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

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.

Practise writing the following words, ensuring that all joins within the word are carefully followed.

fire

wire

inspire

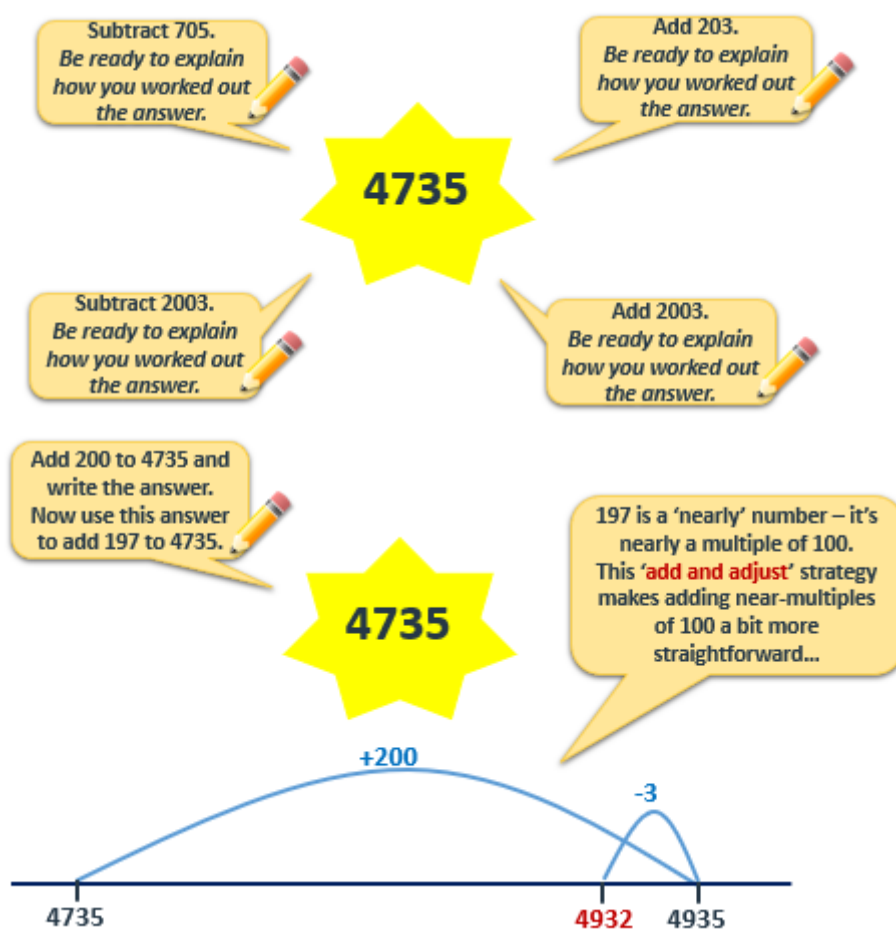enquire

thirsty

Monday Maths

1 What is 3578+451?

2 What is 2845-879?

3 What is 3981-1253?

4 What is 2567+1245?

Misconception:

Jade says that 5671+1567= 7823. Is she correct? Explain your answer?

Subtract 705.
Be ready to explain how you worked out the answer.

Add 203.
Be ready to explain how you worked out the answer.

4735

Subtract 2003.
Be ready to explain how you worked out the answer.

Add 2003.
Be ready to explain how you worked out the answer.

Add 200 to 4735 and write the answer. Now use this answer to add 197 to 4735.

4735

197 is a 'nearly' number – it's nearly a multiple of 100. This **'add and adjust'** strategy makes adding near-multiples of 100 a bit more straightforward...

+200

-3

4735   4932   4935

Subtract 200 from 4735 and write the answer. Now use this answer to subtract 197 from 4735.

This time we 'subtract and adjust' to make subtracting a near-multiple of 100 a bit more straightforward...

4735

-200

+3

4535   **4538**   4735
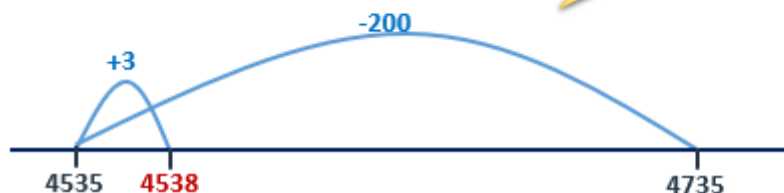
Mental addition and subtraction
Sheet 1

1. 3002 + 450

2. 9784 – 704

3. 4723 + 402

4. 2538 + 2001

5. 9826 – 803

6. 4782 – 502

7. 3782 + 200

8. 3782 + 198

9. 4658 – 100

10. 4658 – 97

11. 3478 + 1000

12. 3478 + 999

13. 5298 – 1000

14. 5298 – 999

15. 4578 + 321

16. 8734 – 6031

17. 23,472 – 2222

18. 45,310 + 3409

19. 8345 + 397

20. 7935 – 298

21. 3458 + 1997

22. 9768 – 2995

23. 45,237 + 3900

24. 57,345 – 2998

Predict what the ones digit of your answer be if you carry out the following sequence:
Start with 98,765.
Subtract 9999
Subtract 999
Subtract 99
Subtract 9
What number are you left with?

_____

What number must I add to 9998 to get 33,454?

_____

Monday English

Write **6 sentences** to describe this setting.

Write **6 sentences** to describe this setting.

But there was another listener. Outside the walls of Heorot in the dim and the dark there stalked an enemy from hell itself, the monster Grendel, sworn enemy of God and men alike, a beast born of evil and shame. He heard that wondrous story of God's good creation, and because it was good it was hateful to his ears. He heard the sweet music of the harp, and afterwards the joyous laughter echoing through the hall as the mead-horn was passed around. Nothing had ever so enraged this beast as night after night he had to listen to all this happiness and harmony. It was more than his evil heart could bear.

How would you feel if you lived here?

Do you think Grendel wants to live here?

Why does Grendel hate the Danes so much?

Model beginning

Story:

Heorot is a place full of laughter and love. King Hrothgar is a good king and everyone loves him. The Danish people are happy and prosperous under the King's rule.

Grendel:

Grendel lives in a cold, wet and dirty swamp. He survives on whatever he can catch nearby and has no one to talk to. He is a large ogre who scares off all who meet him. The Danes don't care about him. No one cares about him. He hates the Danes for being so happy and successful. If God created the Danes, who created him?

1. Summarise the events in the middle of the story.
   - Remember, a summary is only the key events.
2. Underneath the summary, consider what Grendel is thinking and feeling for each event.
   - Why does Grendel hate the Danes?
   - Why does he keep going back?

- What is his reaction to Beowulf?
3. Repeat this activity for the end of the story.
    - What is Grendel's thoughts about the fight?
    - How is Grendel feeling when Beowulf rips his arm off?

Monday French

J'aime faire les magasins parce que c'est amusant. Mais je n'aime pas regarder la télévision parce que c'est barbant - **Sophie**

Je déteste le cyclisme et la gymnastique parce que c'est difficile. Cependant j'adore écouter de la musique. J'aime faire les magasins avec mes amis, parce que c'est sociale - **Amelie**

J'aime les sports parce que c'est bon pour la santé. J'adore jouer au rugby et j'adore la natation. Cependant, je n'aime pas aller au cinéma parce que c'est cher - **Sahib**

Je n'aime pas lire parce que c'est fatigant mais j'adore jouer aux jeux-vidéos parce que c'est passionnant - **Thomas**

1. Who finds reading tiring?
2. Why does Amelie like shopping?
3. What does Thomas love and why? (2)
4. What does Sophie think about watching TV?
5. What sports does Sahib like? (2)
6. Why does Sahib like sports?
7. Which activity is described as expensive? Who says it? (2)
8. What does Amelie love doing?

Challenge – Translate this paragraph into English.
J'aime aller au cinéma avec mes amis. J'adore les films d'action. Aussi, j'adore lire – j'aime les livres de David Walliams. Je n'aime pas le sport surtout le judo parce que c'est dangereux!

Tuesday Maths

Tuesday – 25.1.22 – Addition and subtraction

1 What is 8241-1999?

2 What is 15,269+2200?

3 What is 98,532-5899?

4 What is 24,231+999?
Put your answer in a place value chart.

Misconception: Charlotte says that 27,000+200=29,000. Is she correct? Explain your answer.
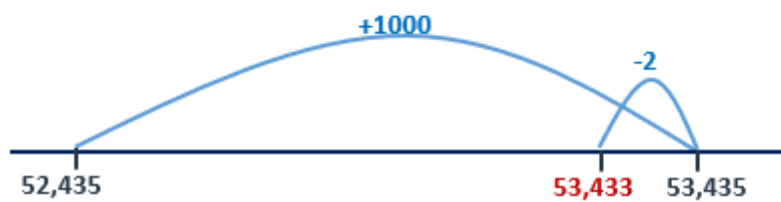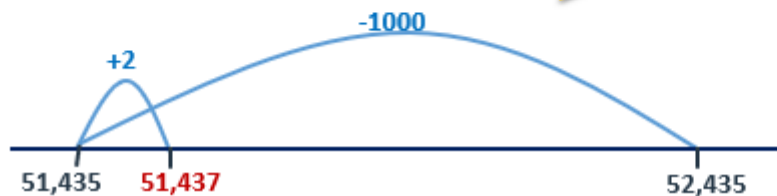
Mental addition and subtraction
Sheet 2

1. 64,378 + 3001

2. 78,745 - 21,000

3. 45,063 + 2300

4. 78,462 - 8002

5. 45,364 + 19,999

6. 74,874 + 2999

7. 43,473 + 398

8. 87,532 - 29,999

9. 63,467 - 1998

10. 54,879 - 495

What mistake has Tom made in this subtraction?
6734 – 997 = 5731

_____

Fill in the missing numbers.

```
  4 5 7 ? 8
+ 1 ? 4 9 ?
_____
  ? 2 ? 2 0
```

Tuesday English

Modal verbs

a) Pasha _____ complete her homework.

b) He was so tired he _____ keep his eyes open.

c) Tom is a great footballer. He _____ even play in goal!

d) If she keeps trying hard, she _____ just have a chance.

e) He is still learning. He _____ do his shoe laces up just yet.

Highlight the modal verbs:

The Danes won't share their hearth. They can be so selfish. I must teach them a lesson. I will sneak into their mead-hall at night and slaughter them all! They must know how angry I am. I will have my revenge! They will rue the day they ignored me.

1. Review yesterday's lesson. Look at what you have written for the middle and end of the story and include 3 sentences that include Grendel's thoughts and feelings.
    - Why does he go to Heorot?
    - Did he want to start a fight?
    - Who attacked first?
2. Each sentence <u>must</u> include a modal verb.
    - I have to speak to the Danes.
    - They must listen to me.

Here's mine:

Grendel lives in a cold, wet and dirty swamp. He survives on whatever he can catch nearby and has no one to talk to. He is a large ogre who scares off all who meet him. The Danes don't care about him. No one cares about him. He hates the Danes for being so happy and successful. If God created the Danes, who created him?

- I hate living here. There must be a better life somewhere.
- The Danes can act so noble; they think they're better than me.
- Maybe I should try and speak to them.

Tuesday Science

- Test a range of materials to decide which they think is the strongest, most durable and most absorbent. The materials we are going to be testing are:
- Cloths
- Kitchen Roll
- Toilet Roll

- Write an equipment list for the experiment.
- Write a method for how you will conduct this experiment.

It should look like this…

You will need:

- .
- .

Method:

1. .

Tuesday Music

Choose a brass instrument to research – what are the parts called? What pitch is it? What does it sound like?

Now listen to Tchaikovsky's 1812 Overture – how is your instrument used in the composition?

Wednesday Maths

1 What is 2000+1450? Use column addition.

2 What is 14,320+5231? Use column addition.

3 What is 5426+1562? Use column addition.

4 What is 37,234+9999? Use column addition.

Misconception:

Lydia says that 15,457+1,231= 27,767. Is she correct? Explain your answer.

4267 + 2784 + 3832

8723 + 5265

23,451 + 18,325

67,342 + 8,352

Discuss in pairs which you think will have the biggest answer and the smallest answer.

What were your strategies for estimating these answers?

Rounding numbers to the nearest 1000 is helpful.

Half the class are going to work out the answer to the 2nd addition and the other half are going to work out the answer to the 3rd addition.

4267 + 2784 + 3832

8723 + 5265

23,451 + 18,325

67,342 + 8,352

```
   4 2 6 7
   2 7 8 4
 + 3 8 3 2
   1 1 1
 1 0 8 8 3
```

Add the 1s, then the 10s, then the 100s, then the 1000s.

Remember to leave a blank row above the answer line.

This is very similar to adding a pair of 4-digit numbers; not harder, just longer - we just have more digits to add.

Column addition
Sheet 1

Look down the additions.
Decide which will have the largest answer. Make a note of it.
Decide which will have the smallest answer. Make a note of it.
Now find each total. Watch out! They do not all need column addition!

1. 4678 + 2372 + 1352

2. 5234 + 6024 + 3528

3. 43,271 + 28,345

4. 32,846 + 24,758

5. 63,278 + 6831

6. 45,734 + 9999

7. 4583 + 45,274

8. 8572 + 4782 + 5837

9. 6934 + 5047 + 8739

10. 86,489 + 76,431

11. 92,371 + 30,004

12. 45,273 + 23,542 + 13,258

13. 45,624 + 57,432 + 9467

14. 5632 + 3789 + 2745 + 3846

Addition and Subtraction Unit 1

In-depth Investigation

'Triple Trouble'
Write any addition of three 4-digit numbers where the answer is between 28,550 and 28,650.

Can you find solutions:
- that use all digits 0 to 9 at least once;
- where no digit 0 to 9 is used more than twice;
- that use the same number three times...?

What is your strategy for getting into the problem?
Are you using any number patterns to help?
Can you write an explanation of what you did?

Wednesday English

What is Grendel thinking?

Up from his lair and through the shadows came Grendel, this stalker of the night, while in Heorot the warriors lay turn-tossed in their sleep, only one of them left on ever watchful guard, every moment steeling himself for the ordeal of battle he knew must very soon come.

And it was coming too. Grendel came gliding through swirling moorland cloud-mists, death-dealing in his hate-filled heart, thirsting to kill again that night as he had so often before. Down from the forest came Grendel now, saw the mead-house, scented the sweet flesh of those

inside, easy victims; as easy as before, he thought.

Had the monster known what awaited him there, he would most surely have thought twice, slunk back to his lair and never returned, for this would be the last time the beast was ever to go out on a killing spree. Never more would the terror-tyrant stalk the land. Now it was his turn to suffer the panic of fear, and the pain of death agony. So the giver of death and destruction would become the receiver at last. He did not know it yet though, and came on unawares to Heorot.

- What is Grendel thinking?
- What is Grendel feeling?
- Identify 1 modal verb used on these pages.

Planning a narrative

Grendel lives in a cold, wet and dirty swamp. He survives on whatever he can catch nearby and has no one to talk to. He is a large ogre who scares off all who meet him. The Danes don't care about him. No one cares about him. He hates the Danes for being so happy and successful. If God created the Danes, who created him?
- I hate living here. There must be a better life somewhere.
- The Danes can act so noble; they think they're better than me.
- Maybe I should try and speak to them.

How can I connect these thoughts and feelings to the narrative I have written?

Grendel lives in a cold, wet and dirty swamp. I hate living here. There must be a better life somewhere. He survives on whatever he can catch nearby and has no one to talk to. He is a large ogre who scares off all who meet him. The Danes don't care about him. The Danes can act so noble; they think they're better than me. No one cares about him. He hates the Danes for being so happy and successful. Maybe I should try and speak to them. If God created the Danes, who created him?

1. Examine what you have written for the middle and end of your story and insert Grendel's thoughts and feelings in the appropriate places.
    - How would he be feeling in each sentence?
    - Does each sentence need an emotion?
    - Have you covered all of Grendel's thoughts?
2. Be sure that each thought includes a modal verb.
3. Each part must be in chronological order.

RAIN GAUGE

SCIENCE SPARKS

You'll need:
Empty plastic bottle
Tape
Scissors
Permanent marker
Ruler

Instructions

Carefully cut the top off the bottle, and place upside down inside the main body. Ask an adult to help as the edges might be sharp. Cover the edges with tape.

Place a ruler on the side of the bottle and mark in cm up the side using the permanent pen.

Bury the bottle outside, it should be in an open area away from trees which might trap some of the rain. Leave the top sticking out.

Record the amount of water in the bottle each day.

More ideas
If you don't have a plastic bottle an empty glass jar will also work.

Thursday Maths

1	Partition the number 56,231	**2**	Partition the number 9,275
3	Circle the digit that represents the ten thousand column. • 78,451	**4**	What is 59,125-6,234?

Misconception:
Dylan says that 561 partitioned is 5000 600 and 10. Is he correct? Explain your answer.

Estimate the answer to **64,783 – 35,327**.

> Let's remind ourselves how to use both expanded and compact column subtraction (decomposition). First subtract the 1s, then 10s, then 100s, then 1000s, then 10,000s.

> Hint! Round each number to the nearest 10,000.

```
50,000  14,000         70  13
60,000   4000   700    80   3
-30,000  5000   300    20   7
20,000   9000   400    50   6
```
29,456

```
 5  14      7  13
 6   4   7   8   3
-3   5   3   2   7
 2   9   4   5   6
```

> **?** Does this answer seem about right? Yes, it's just under 30,000.

> Use either expanded or compact decomposition to work out 72,846 – 47,063.

```
60,000  12,000  700  140
70,000   2000   800   40   6
-40,000  7000     0   60   3
20,000   5000   700   80   3
```
25,783

```
 6  12   7  14
 7   2   8   4   6
-4   7   0   6   3
 2   5   7   8   3
```

Subtracting 5-digit numbers
Sheet 2

Complete each subtraction.

1. 86,541 – 23,016
2. 72,438 – 51,274
3. 65,056 – 23,432
4. 91,786 – 34,235
5. 72,872 – 25,348
6. 56,284 – 32,518
7. 92,628 – 45,371
8. 56,723 – 21,575
9. 45,842 – 27,486

Choose two of your subtractions to check with addition.

Use just the digits 4 and 5 to create a 5-digit – 5-digit subtraction to give an answer with at least two 9s.
Can you get 9091?
What is the smallest answer you can get?
What is the largest?

_____

Explain why it would be sensible to choose different methods to solve (a) and (b) below.
(a)   67,493 – 21,561
(b)   50,005 – 44,878

_____

Thursday English

Grendel lives in a cold, wet and dirty swamp. I hate living here. There must be a better life somewhere. He survives on whatever he can catch nearby and has no one to talk to. He is a large ogre who scares off all who meet him. The Danes don't care about him. The Danes can act so noble; they think they're better than me. No one cares about him. He hates the Danes for being so happy and successful. Maybe I should try and speak to them. If God created the Danes, who created him?
   o Is this cohesive?
   o Does it have a flow?
   o Does it make sense?
   o How can we make it better?

I live in a cold, wet and dirty swamp. I hate it here. There has to be a better place to live. I survive on whatever I can catch nearby and have no one to talk to. I wish I had company. I would talk to the Danes but they're afraid of me. I am a large ogre who scares off all who meet me. The Danes don't care about me. No one cares about me. They think they're so special. I'll show them! I just need to have a word with their king. I can prove that I'm gentle and they'll let me into their kingdom.

- Can Grendel compare his home to the Danes?
- What are the key differences between Grendel's home and the Danes?

Write a narrative of the story from Grendel's perspective.
You shouldn't have to write anything new, begin by copying and adapting what you planned yesterday.
1-2 paragraphs
1st person

The narrative must be in chronological order.
Introduce Grendel and his home.
His first attack on the Danes.
Meeting Beowulf
Loosing his arm.

You must include modal verbs in your writing.
5 examples of modal verbs

Thursday Science

- Use your method from Tuesday to conduct your experiment.
- Record your results in this table:

Type of material	Strength test (weight added)	Durability (observations)	Absorbency (Volume of water in ml)

- Write a paragraph, explaining which material is best suited for cleaning surfaces.

- Say why e.g. because it was the strongest/most durable/most absorbent material out of…
- Compare your result to what your hypothesis was. Were you correct?

Thursday History

How did the Anglo-Saxons live?

- The Anglo-Saxon way of life could not have been more different from that of the Romans.
- In place of well-laid out towns of stone buildings, the Anglo-Saxons lived in small village settlements of round daub (mud cement) and wottle (woven branches) huts.
- When they first arrived in England, they followed the river valleys in their boats and built their villages on the banks.
- As they moved further inland, they began to clear woodlands and build further settlements.
- They avoided the Roman towns and cities, which fell into ruin. They were suspicious that they had been built by giants and were haunted by ghosts.

- Anglo-Saxon villages were surrounded by two or three large open fields.
- The fields were divided into narrow strips and each family received a number of strips to farm.
- Each year one field was left without any crops growing on it so that the soil could recover.

- Anglo-Saxons women could own their own land and were in charge of the household servants.
- They enjoyed many freedoms but were never considered to be equal to men.

- Life was very harsh.
- It was difficult to keep clean, although thre tried.
- Anglo-Saxons made their own soap from a mixture of ashes, animal fat and urine.

How did the Anglo-Saxons live?

- In their farming communities, the Anglo-Saxons grew wheat for bread and barely for beer, peas and beans.
- They kept sheep, cattle and pigs for food and clothing.
- They mainly drank beer, although the richer people drank wine which had to be brought into the country from France and Italy.
- Mead, a drink made from honey, was also popular. Even though Anglo-Saxons lived in simple huts, they were skilled workers.
- They made the finest weapons and armour and the most beautiful and intricate jewellery.

- The Anglo-Saxons did not know disease could spread and they relied on cures and rememdies.
- For toothache, it was suggested that the sufferer boil a holly leaf, put it in a bowl of water, raise the bowl to their mouth and yawn.
- It was believed that the worms said to cause the toothache would come tumbling out using this method.
- It was rare for people to live past their mid-forties because of disease and injury.

Compare the features between an Anglo-Saxon house and a modern home?
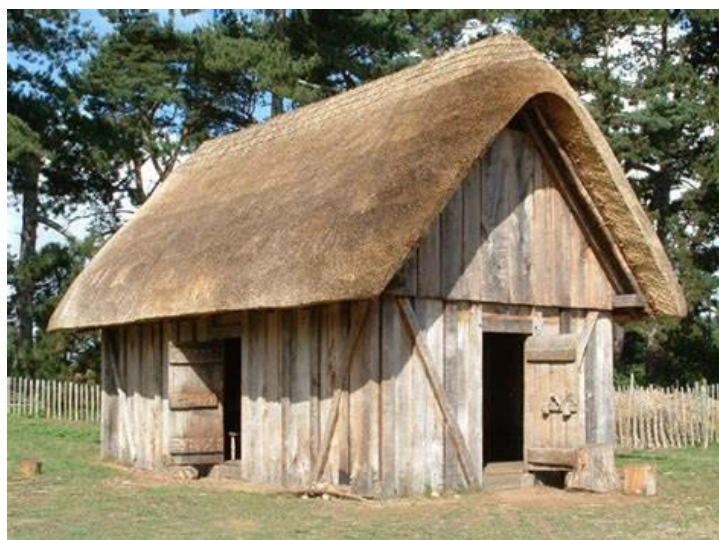
Friday Maths

1 Partition the number 92,341

2 Partition the number 41,241

3 What is 32,412-2,432? Answer using expanded column subtraction

4 Circle the digit that represents the thousands.
- 77,231

Misconception:

Helen says that the 8 in 82,341 represents the thousands column. Is she correct? Explain your answer.

$$8\,6\,0\,7\,2$$
$$-\ 3\,2\,5\,3\,7$$

Can you spot where a 10, 100, 1000 or 10,000 will have to be moved?

The 'top' number has a zero so we will definitely have to move a 1000 to the 100s column. A 10 will also need to be moved into the ones column as 2 is less than 7.

	5000	1000	60	12
80,000	6000	0	70	2
- 30,000	2000	500	30	7
50,000	3000	500	30	5

53,535

	5	10	6	12
8	6	0	7	2
- 3	2	5	3	7
5	3	5	3	5

Use either expanded or compact decomposition to calculate 40,178 – 35,423.

40,178 – 35,423 = **4755**

We have 100 – 400 but don't have any 1000s that we can move! We first need to move 10,000 from the 10,000s column...

40,178 – 35,423

```
              9000
  30,000  10,000  1100
  40,000      0    100  70  8
- 30,000   5000    400  20  3
       0   4000    700  50  5
```

4755

```
               9
        3   10  11
     4   0    1   7  8
  -  3   5    4   2  3
         4    7   5  5
```

1	2	3
4	5	6
7	8	9
	0	

1. Use the mobile phone digit display.
2. Create two five-digit numbers using these two rules:

Rules

1. The digits you choose must touch along a side. So you can choose 65214 because each digit touches the next one along a side.
2. You may not use any digit other than 5 more than once. So if 98547 is your first number, then 65214 cannot be your second number as 4 is used twice.
(NB. 5 may be used twice, even within the same number, e.g. 52145).

```
  74125
- 56980
```

3. Find the difference between your two numbers.
4. Repeat, choosing two different numbers.
5. Find the largest possible difference that you can make, using two five-digit numbers generated according to the above rules.

   Can you demonstrate that this is the largest possible difference?

6. Find the smallest possible difference. (This is much harder!)

Whole class practice

Sheet 1

1. 43,972 - 37,439

2. 56,382 - 22,936

3. 85,604 - 42,367

4. 74,083 - 41,448

5. 93,487 - 38,124

6. 83,572 - 47,429

7. 82,005 - 79,876

8. 45,321 - 24,756

9. 92,467 - 36,871

10. 40,625 - 23,478

11. 63,724 - 38,474

12. 83,074 - 48,238

13. 72,380 - 56,524

14. 92,412 - 67,845

15. 90,401 - 78,832

Find one subtraction which would be much better done using Frog?

Find the missing numbers in this subtraction:

```
  1 2 ★ 6 2
−   9 3 ■ 8
  _____
    3 1 1 ▲
  _____
```

Friday English

I live in a cold, wet and dirty swamp. I hate it here. There has to be a better place to live. I survive on whatever I can catch nearby and have no one to talk to. I wish I had company. I would talk to the Danes but they're afraid of me. I am a large ogre who scares off all who meet me. The Danes don't care about me. No one cares about me. They think they're so special. I'll show them! I just need to have a word with their king. I can prove that I'm gentle and they'll let me into their kingdom.

Is this ready for publishing?

What can I change?

Finish your narratives.

Once finished, copy your narrative, word for word, on to your publishing page.

Use a handwriting pen to publish.

Once you have finished, bring your completed work to me.

<u>Friday Geography</u>

1. Locate and label each of the 7 Kingdoms on the map.
2. Colour each kingdom on your map.
3. Copy the shield for each kingdom next to your labels.

Spellings

bruise
yacht
guarantee
immediate(ly)
restaurant
privilege
neighbour
community
curiosity
vehicle

You have 10 minutes to examine the Spring 1 spelling list. In that 5 minutes you may:

Write the words on a whiteboard.
Pyramid words
Use them in sentences
Discuss the spelling patterns with a neighbour.