Numeracy Week 1

Week commencing Monday 1st June

All accompanying materials for tasks will be sent out on Mondays. You do not need to complete all tasks but should select the appropriate level of challenge for yourself *, ** or ***

Task 1 (addition: partitioning)	Task 2 (addition: open number line)	Task 3 (addition: rounding and compensating)

Task 1 (addition: partitioning)

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

The above YouTube clip should provide some revision on the above addition strategy (partitioning)

An answer sheet will be emailed to those who responded to the class email address.

Calculate the following questions using a partitioning strategy:

Qu	*	**	***
1	13 + 16	232 + 156	26,467 + 13,676
2	15 + 12	465 + 374	56, 764 + 8865
3	21 + 17	734 + 289	324,364 + 536,263
4	26 + 23	943 + 543	637,202 + 117,357
5	34 + 28	1145 + 3534	2544 + 102,865
6	45 + 17	3856 + 4562	46 + 3293 + 17,574
7	42 + 25	6473 + 4864	997,453 + 68 + 746
8	56 + 32	10,234 + 2767	869,976 + 7363 + 16
9	63 + 31	12,645 + 3794	Double 747 + 7832
10.	81 + 16	15, 345 + 4844	543 add double 984

Task 2 (addition: open number line)

https://www.youtube.com/watch?v=kr0KaUqyugE

The above YouTube clip should provide some revision on the above addition strategy (open number line)

An answer sheet will be emailed to those who responded to the class email address.

Calculate the following questions using an open number line strategy:

Qu	*	**	***
1	15 + 18	154 + 345	65,617 + 19,252
2	35 + 28	287 + 591	93,875 + 5436
3	44 + 27	543 + 354	634,846 + 203,373
4	23 + 58	434 + 222	777,947 + 218,864
5	66 + 24	4536 + 1273	4539 + 384,964
6	72 + 28	6547 + 4888	232,932 + 56 + 886
7	14 + 56	7865 + 5554	14 + 565 + 467,475
8	66 + 23	14,654 + 6438	Half 8944 + 7843
9	32 + 51	8654 + 13,456	894 + half of 7542
10.	45 + 37	3292 + 14,864	784 and double 639

Task 3 (addition: rounding and compensating)

https://www.youtube.com/watch?v=89XqNraaNic
https://www.youtube.com/watch?v=y9MynIT46fQ

The above YouTube clips should provide some revision on the above addition strategy (rounding and compensating)

An answer sheet will be emailed to those who responded to the class email address.

Calculate the following questions using a partitioning strategy:

Qu	*	**	***
1	14 + 11	67 + 79	778 + 897
2	23 + 19	86 + 31	786 + 203
3	36 + 21	675 + 298	4503 + 2908
4	22 + 29	876 + 121	15,657 + 18,996
5	45 + 31	647 + 749	17,203 + 203,999
6	65 + 39	4563 + 5997	675,002 + 298,996
7	43 + 51	3466 + 7659	451,276 + 168,101
8	76 + 9	124 + 9999	Double 885 + 999
9	86 + 11	15,873 + 2001	Half 5762 add 8003
10.	32 + 49	8999 + 12,101	16 + 202 + 604

Task 4 (time: telling the time and duration)	Task 5	Daily Numeracy

Task 4 (time: telling the time and duration)

https://www.youtube.com/watch?v=8r7P-H-KCSQ
The above YouTube clip should provide some revision, and be a useful resource for reading analogue clocks. It is strongly recommended you watch this!

https://www.topmarks.co.uk/time/teaching-clock

The above link provides an interactive clock which you can use to help your child read the time; it converts between analogue, digital, 12 and 24-hour time. Show a time and ask your child to read it and write it in words and digital form.

https://mathsframe.co.uk/en/resources/resource/119/find_the_start_time#

The above link is an interactive game where you can select the level of difficulty. It can be timed or untimed and has multiple choice options. This game focuses on duration.

Task 5

Check out 'The Daily Rigour': A free weekly newspaper especially for kids and all about Numeracy! A link is also available to the solutions.
https://www.cdmasterworks.co.uk/the-dailyrigour/

The Daily Rigour
Your free weekly numeracy newspaper!

Useful websites to enhance multiplication skills:

- https://www.timestables.com/
- https://www.topmarks.co.uk/maths-games/hit-the-button
- https://www.topmarks.co.uk/times-tables/coconut-multiples
- https://www.arcademics.com/games/meteor
- https.www.youtube.com **(search multiplication songs/raps)**

Daily Numeracy

Sumdog

There will be challenges and competitions here set up by your teacher so try to go on it regularly. You can also log-on to complete activities.

Useful websites:

- **NRICH:** www.nrich.maths.org
- **Mr Barton Maths:** www.mrbartonmaths.org
- **Top Marks:** www.topmarks.co.uk
- **Illuminations:** www.illuminations.nctm.org
- **MathsBot:** www.mathsbot.com
- **Snappy Maths:** www.snappymaths.com

Task 1 (subtraction: partitioning)	Task 2 (subtraction: open number line)	Task 3 (subtraction: rounding and compensating)

Task 1 (subtraction: partitioning)

https://www.youtube.com/watch?v=98OErgdI-e4
https://www.youtube.com/watch?v=2EPDoCuL_Bs

The above YouTube clips should provide some revision on the above subtraction strategy (partitioning)

An answer sheet will be emailed to those who responded to the class email address.

Calculate the following questions using a partitioning strategy:

Qu	*	**	***
1	17 - 10	93 - 27	897-765
2	26 - 10	102 - 65	784 - 303
3	39- 17	512 - 138	4504 - 2909
4	28 - 15	903 - 874	17,998 – 11,546
5	38 - 26	5123 - 3003	503,999 – 246,848
6	49 - 32	8983 - 7287	872,002 - 698,996
7	57 - 13	6849 - 3993	996,273 - 168,101
8	77 - 46	3489 - 285	Double 992 - 999
9	99 - 76	10,000 - 753	Half 7546 - 1002
10.	88 - 72	8785 - 6804	Double 6767 - 3433

Task 2 (subtraction: open number line)

https://www.youtube.com/watch?v=VoNo_mXCa7o
https://www.youtube.com/watch?v=IX1UsOyV5_w

The above YouTube clips should provide some revision on the above subtraction strategy (open number line)

An answer sheet will be emailed to those who responded to the class email address.

Calculate the following questions using an open number line strategy:

Qu	*	**	***
1	10 - 6	91 - 36	868 - 747
2	17 - 15	103 - 77	9847 minus 7573
3	29 - 16	656 - 74	18,575 – 12,484
4	38 - 25	888 - 124	8844 subtract 1938
5	56 - 36	537 - 476	467,883 – 203,183
6	78 - 51	4857 - 2937	849,897 – 199,000
7	57 - 13	5478 - 3209	Double 774 - 676
8	91 - 19	9709 - 384	Half 13,884 - 1093
9	85 - 83	6546 - 5555	8909 – 787 - 333
10.	88 - 55	7896 - 1258	Double 949 - 986

Task 3 (subtraction: rounding and compensating)

https://www.youtube.com/watch?v=ea5q76uxEhk
https://www.youtube.com/watch?v=Zx9KL0EBWkI

The above YouTube clips should provide some revision on the above subtraction strategy (rounding and compensating)

An answer sheet will be emailed to those who responded to the class email address.

Calculate the following questions using a partitioning strategy:

Qu	*	**	***
1	12-9	74 - 19	899 - 786
2	15-11	87 - 29	3477 - 231
3	36 - 19	175 - 101	7696 - 4523
4	59 - 21	376 - 82	12,283 - 998
5	57 - 29	565 - 229	98,203 – 18,601
6	76 - 11	5475 - 3221	561,847 – 323,422
7	65 - 9	8786 - 2999	866,208 – 13,937
8	87 - 31	5485 - 703	374,103 – 197,200
9	99 - 51	7869 - 779	786,098 – 14,207
10.	63 - 39	2898 - 891	553,808 – 107,087

Task 4 (information handling)	Task 5	Daily Numeracy

Task 4 (information handling)

https://www.youtube.com/watch?v=zGre4QViTmA

The above YouTube clip provides an explanation detailing how to draw a bar chart using a data/frequency table, and should be revision!

Using the data/frequency table below, create a bar chart to display the information. Remember to include titles and carefully consider intervals to use depending upon the numbers you have. You will be emailed graph paper, 1cm and ½ cm, if you responded to the class email.

Favourite pets			
Pet	*	**	***
Cat	6	26	33
Dog	9	37	59
Hamster	3	66	61
Tortoise	10	15	70

Task 5

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The Daily Rigour
Your free weekly numeracy newspaper!

Useful websites to enhance multiplication skills:

- https://www.timestables.com/
- https://www.topmarks.co.uk/maths-games/hit-the-button
- https://www.topmarks.co.uk/times-tables/coconut-multiples
- https://www.arcademics.com/games/meteor
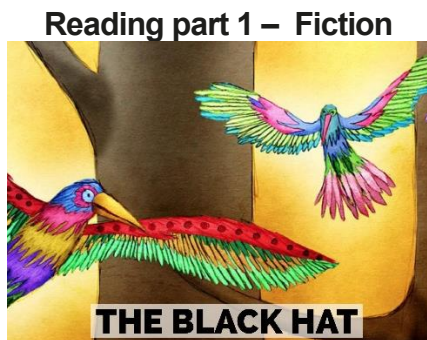 https.www.youtube.com (**search multiplication songs/raps**)

Daily Numeracy

Sumdog

There will be challenges and competitions here set up by your teacher so try to go on it regularly. You can also log-on to complete activities.

Useful websites:

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- **Illuminations:** www.illuminations.nctm.org
- **MathsBot:** www.mathsbot.com
- **Snappy Maths:** www.snappymaths.com

Literacy Week 1 Monday 1ˢᵗ- Friday 5ᵗʰ June

Task 1	Task 2	Task 3
Reading part 1 – Fiction **THE BLACK HAT** You will be emailed the <u>Discussion Questions</u> for 'The Black Hat'. Keep these handy while you watch and listen to the story 'The Black Hat' online. https://www.literacyshed.com/blackhat.html Discuss the questions with someone, or write your responses down.	**Writing part 1 – Non Fiction** **Planning a persuasive letter** Let's imagine the grandma in The Black Hat story sees what is in the boy's room and feels strongly that he is doing the wrong thing to keep the birds in cages. She writes him a letter to try to convince him that he should release the birds. Plan this letter using the resources provided to help you revise how to write a persuasive letter. You will be emailed a <u>PowerPoint</u> – take your time to go through this and see the example which uses the features of persuasive writing. Then use the <u>planning sheet</u> (which you will be emailed) to plan grandma's letter.	**Reading part 2 – Non Fiction** **Comprehension** You will be emailed a differentiated comprehension activity, '<u>Birds in your garden</u>'. This is differentiated to 3 levels, starting with the easiest, so just complete the level of challenge you think is appropriate. Answers are included too.
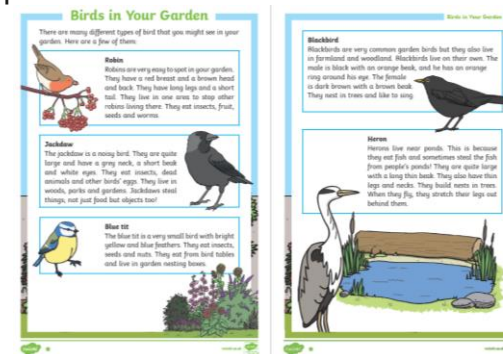
Task 4	Task 5	Daily Literacy
Writing part 2 – Non Fiction **Drafting a Persuasive letter** Draft a persuasive letter using the plan you made. Use this as your Success Criteria:	**Spelling focus** **Adjectives with suffixes:** **-ful:** colourful, graceful, beautiful, careful, delightful, faithful, grateful, joyful, powerful **-ate:** delicate, ornate, elaborate, fascinate, radiate, create, illustrate, desperate **Easier level:** **<ch> for /k/ sound:** echo, school, choir, chemist, stomach, Christmas, character, chorus, character, orchestra **/ai/ sound:** pay, day, clay, stay, main, waist, rainstorm, make, bake, mistake Use these two spelling lists over the two weeks, doing activities of your choice using the words. You could play hangman, make a wordsearch/ crossword, bubble writing, try different fonts, handwriting practice paying attention to the joins for cursive.	Take time to work on spelling and grammar activities on Sumdog set by your Class Teacher You can also use the differentiated Spelling tasks in the new Spelling Revision Guide that will be emailed to you

Literacy Week 2

Task 1	Task 2	Task 3
Reading part 1 **Sky turtles sheet comprehension** You will be emailed a PDF called 'Once in a Lifetime Activity Pack', all about fictional Sky Turtles. Read the information about Sky Turtles on page 1, using a dictionary to look up any new words. (Read with a parent if you find it difficult). Then answer the comprehension questions on page 2. You can check your answers on page 7.	**Reading part 2 – Fiction** **Once in a Lifetime (short film)** 1. Watch the animated video https://www.literacyshed.com/onceinalifetime.html 2. Watch it again to complete the 'Odd ones out' on page 3 of the PDF. 3. Next, complete the '5 senses' table on page 4 with your ideas. 4. Read the Sky Explorer's log on page 5 of the PDF. Annotate or highlight it with the features in the 'Things to Consider' section. *Once in a Lifetime*	**Writing part 1 – Fiction** **Sky Explorer's Log** On page 6 or in a jotter, write your own version of a sky explorer's log. Explain what happened when you saw something in the sky that you didn't expect. Perhaps it was a sky elephant or an air orca? Write a description as if you were the pilot, using your ideas from the 5 senses table. Write between 1-3 paragraphs. Remember to: • Tell the reader how you felt • Use your 5 senses to help you describe • Try exciting sentence openers eg. verb/ adverb • Add a question to pose to the reader • Use interesting vocabulary
Task 4	**Task 5**	**Daily Literacy**
Writing part 2 – Fiction **Story writing** The short film shows you just a snapshot of a story. It brings up so many questions both before and after this event! Who is the pilot? How did he get there? Where are the turtles going? What happens next? How does the pilot get back home? And so on… Use the 'Story Mapping Boxes' sheet (which will be emailed) to write where this bit of the story fits in, and plan what the full story might be. You could then write either the previous chapter or the next chapter of the story. Take your time to build the plot gradually.	**Talking and Presenting** **Story-telling** Story telling is a wonderful skill. You can either choose the story you have written, or a story you know and love. • First, you need a written-down copy of your story. • You may want to use props or a costume when you tell your story. Be imaginative! Don't forget that your body and your voice are important tools to help tell your story: • Use movement and facial expressions. • See if you can speak faster and slower, higher and lower, louder and quieter at different points of the story. • Experiment with different voices for different characters. End it well and clearly. You could create a performance for your family, or even record your storytelling and email it to your teacher!	Take time to work on spelling and grammar activities on Sumdog set by your Class Teacher You can also use the differentiated Spelling tasks in the new Spelling Revision Guide that will be emailed to you

Health and Wellbeing- Part 1

At times during a week, colour a raindrop to show how you're feeling. Inside the cloud you could jot down a reason why you feel this way(with the colour of raindrop beside)Record the good, the not so good. Remember it's ok not to be ok.

You can draw out the cloud and raindrops to make a bigger picture. Or, can you think up your own way of recording how you feel.

Feelings Cloud
Mental Health Check-In

Health and Wellbeing – Part 1 continued

Feelings Chart

I am feeling...

- Proud
- Happy
- Thankful
- Cheerful
- Worried
- Lonely
- Sad
- Bored / Restless

You may find that sometimes you can feel worried, lonely, sad, bored/restless. If you do have some raindrops which are these colours there are some things you can do;

- Talk to a friend or family member
- Write down some choices of how you could help yourself feel better
- Think about a time when you felt worried, lonely, sad, bored/restless and what you did to help overcome the feeling?

Remember that feelings always come and go.

Health and Wellbeing – Being Kind to Yourself

We often think about how we can be kind to others and what effect our behaviour has on other people. Have you ever thought about how you can be kind to yourself?

Draw lots of outlines of love hearts, they can be different sizes. Write inside all the different ways you can be kind to yourself. You will have created a poster you can hang up and remind yourself.
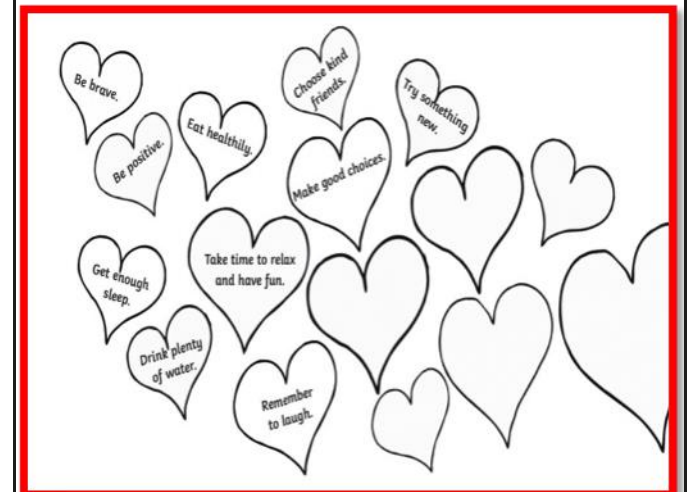
Positive Thinking

Before going to sleep each night, think about 5 things you have been grateful for in your day. You can share them with someone in your family or just say them to yourself. This helps to make you feel happy and positive. It helps us to appreciate things in our life.

Feeling Calm

If you ever need a moment to calm down then try this: Hold your hand out like a star. With a finger from opposite hand trace round your fingers inhaling as you go up and exhaling as you go down.

Your Best Qualities

On post it notes or little bits of paper; individually write down why you shine. What are your best qualities? Maybe you also remember a little compliment someone told you. Keep these by your bed or in a safe place and read them whenever you need a boost.

Health and Wellbeing- Physical
The Daily Mile Each Day For A Week
With an adult can you try to either walk or run a mile each day? You may have to look on an interactive map to determine about a mile from your home (remember to calculate half a mile there, half a mile back) Or you could work out a route in a park that would be about a mile. You could time yourself, can you improve each day? Can you create a record to show your results?

Health and Wellbeing- Physical
Sports Day At Home/In the Park
With your family create some activities to play! Some ideas:
- Egg and Spoon Race
- Three Legged Race
- Pillowcase Sack Race
- Ball/Object Catches
- Obstacle Course (could be with chalk if you have)

You could make up some of your own games, the rules, some score cards and even some certificates. Have Fun! We would love to see any photos!

Outdoor Art
Can you create some pictures using nature? (Please don't pick anything but use what has been found) Think about shape, line, colour and texture. Here are some examples. Please take some photos!
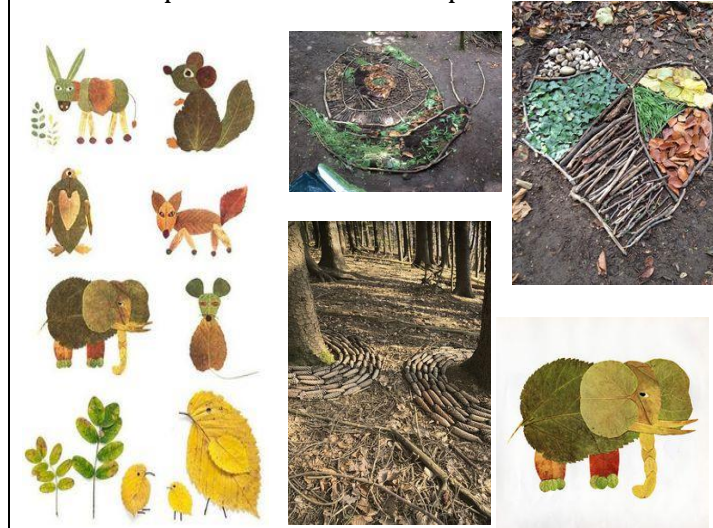
Science/History: Sundials
Before clocks were invented a sundial was used to tell the time. They are the oldest known instruments for telling the time.
If you can, watch SciShow Kids ,Make Your own Sundial' on You Tube. Or do your own research about what a Sundial is and how you can make and use one.

Make Your Own Sundial!
SciShow Kids
2 years ago · 141K views
4:15

Can you create your own sundial? You could mark the hours as the shadow passes through, or take some photos displaying the different times.
Can you write down some bullet point facts about the Sundial- try and get 10 different facts!

Science: How to grow a Rainbow

twinkl.com

Did you know you can grow your own rainbow! This is quite like our Open Afternoon experiment and will reinforce our learning.
You will need a scientific process called **capillary action.** This action happens when a liquid moves up through a hollow tube or into a spongy, solid material. It happens when three forces work together **cohesion**, **adhesion**, and **surface tension**.
Water molecules like to stick to each other this is called **cohesion.** They also like to stick to solids in a process called **adhesion**.

In this experiment you will need:

- **Kitchen roll/paper**
- **Felt tip pens**
- **Two small bowls of water**
- **Paperclip/or similar**
- **Thread/or similar**

The fibres in the kitchen roll have lots of little holes. Water is **absorbed** through the kitchen roll because when the first water molecule **adheres** to it and begins to move upwards, it pulls the next water molecule up with it like a chain.
1. Cut the kitchen roll in the shape of a rainbow
2. At each end use the felt tip pens to begin colouring a rainbow about 2cm up. Remember the order;
   red, orange,yellow,green,blue,indigo, violet.
3. Add water to the two bowls
4. Hold the rainbow with both ends slightly submerged and watch your rainbow grow