



## Year 6 Home Learning

During your time away, please complete the assessments you have received. Remember to stick to test conditions and test times:

English Grammar, Punctuation & Spelling Papers – 45 minutes

English Reading Papers – 1 hour

Maths Arithmetic Papers – 30 minutes

Maths Reasoning Papers – 45 minutes

Remember to bring these assessments into school when you are next in.

Below is a list of other learning you can do at home. You will find the resources for many of the activities attached, and you can use the workbook to record your learning.

### English Reading

Daily Reading	Read a book of your choice and record your reflections in your reading log. Try to read at least 1 hour a day and vary your text choices (narrative books, newspapers, poetry, books by different authors, blogs etc.)
Create your own Reading Paper	Find a piece of text from a book, article, blog etc. Create your own questions (fact retrieval, inference, summary, prediction, word meaning/clarifying) and a mark scheme for your test. How well do members in your family do in your test?
Book Review	Use the template to create your own report for a book you have read
Book Comparison	Read two different genres of books / two books by the same author / two books with the same genre but different authors. Reflect on which of the 2 books you preferred and why. Reflect on similarities and differences you noticed, themes linking the books etc.


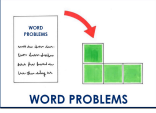
### English Writing

Diary Writing	Keep a daily journal of your time at home and of your learning. Remember to include the events, and your thoughts and feelings.
Story Writing	Use the story map to plan your plot, characters, and setting. Then write your own story including descriptive language, range of adverbials, show not tell, range of verb forms (progressive, perfect, passive voice, subjunctive), and a range of punctuation. After telling your story out loud to an audience, can you edit / up level it further?
Newspaper Report	Create your own newspaper/blog about current affairs and experiences. Write the same article in the style of a broadsheet and tabloid by varying your writer's voice. Include headings, subheadings, direct and reported speech, and a range of vocabulary and punctuation.
Uplevelling and Editing	Recap GPS features learnt and see if you can "uplevel" examples in real-life magazines, newspapers, reports, websites etc. Can you find and uplevel: <ul style="list-style-type: none"><li>- Level of cohesion including adverbials</li></ul>


	<ul style="list-style-type: none"> <li>- Adverbs, prepositions and expanded noun phrases</li> <li>- Verb forms (passive voice, subjunctive, perfect tense, progressive tense)</li> <li>- Pronouns</li> <li>- Varied clause structures (main, subordinate, relative, embedded)</li> </ul>
Speech Writing	<p>Write a speech on a topic of your choice. Include your point of view, and what evidence you will use to back it up. Can you deliver your speech to an audience, or record a video to send to your teacher? Think about how you deliver the speech?</p> <p>Think about:</p> <ul style="list-style-type: none"> <li>- Repetition</li> <li>- Facts and opinions</li> <li>- Varying sentence structure</li> <li>- Themes running through paragraphs</li> <li>- Modal verbs to show certainty</li> </ul>
Non-Chronological Report	<p>Research about a key period/event (e.g. Olympics, Suffragettes, Indus Valley, Aztec Period, World War 2, Australian Bush Fires etc.) and write a non-chronological report.</p> <p>Think about:</p> <ul style="list-style-type: none"> <li>- Headings and paragraphs</li> <li>- Introduction and summary</li> <li>- Facts and technical language</li> <li>- Formal tone</li> <li>- Range of punctuation</li> <li>- Range of clause structures</li> <li>- Range of verb forms</li> </ul>

## Maths

Times Tables Rockstars	<p>Take part in daily times tables competitions, or test your speed by answering multiplication and division questions on <a href="https://ttrockstars.com">https://ttrockstars.com</a></p>
Four Operations Flashcards	<p>Create your own flashcards for the four operations. Put the question on one side, and the answer on the back. Can you quiz yourself, or have a friend quiz you?</p> <p><b>Addition</b> – Add whole numbers with more than 5 digits, including using formal written methods (with carrying) and numbers with decimal points</p> <p><b>Subtraction</b> – Subtract whole numbers with more than 5 digits, including using formal written methods (with exchanging) and numbers with decimal points</p> <p><b>Multiplication</b> – Multiply whole numbers together (up to 3 digits) including numbers with decimal points</p> <p><b>Division</b> – Divide up to 3-digit numbers by up to 2-digit numbers (remember, remainders should be calculated as decimal remainders)</p>
Arithmetic	<p>Practice your arithmetic skills by completing the tests and arithmetic worksheets below.</p>
Fractions	<p>Complete the fractions worksheets below as well as investigations using your knowledge of adding / subtracting /</p>

	multiplying / dividing fractions as well simplifying and finding equivalent fractions.
Order of Operations	Using your knowledge of order of operations, find as many unique and fun ways to get to the answer of 8, 15, 2.5 and 120. E.g. $3 \times 4 - (1 + 2^2) + 1 = 8$
Maths Story	 <p>Create your own Maths stories using the operations of your choice. Could you quiz yourself, or a family member?</p>
Word Problems	 <p>Create your own reasoning problems any of your maths learning. Could you quiz yourself, or a family member?</p> <ul style="list-style-type: none"> <li>- Four operations</li> <li>- Order of operations</li> <li>- Fractions</li> <li>- Ratio</li> <li>- Angles</li> <li>- Measurement (1.6 km = 1 mile)</li> <li>- Shapes</li> </ul>

## Science

<p>STEM Project: Buckingham Palace</p> 	<p>Can you create your own replica of Buckingham Palace, thinking about how you can construct it to be long-lasting? What materials will you use to ensure the building stays stable? How can you include tiny details to make it unique? Remember to follow the scientific process for a STEM project:</p> <ul style="list-style-type: none"> <li>- Ask – identify the needs and constraints</li> <li>- Research – research the problem</li> <li>- Imagine – develop possible solutions</li> <li>- Plan – select a promising solution</li> <li>- Create – build a prototype</li> <li>- Test – test and evaluate the prototype</li> <li>- Improve – redesign as needed</li> </ul> <p>Record each stage of your project in your workbook, either by writing a reflection, drawing a picture, or by sending a video to your class teacher.</p>
Light	<p>Create your own show by using shadow puppets. Using your knowledge of shadows and light, create your own shadow puppets and then manipulate the light source to change the movement/size/orientation of the puppets.</p> <p>Create your own sun dial where the shadows change depending on the location of the sun.</p>
Science Investigations	<p>Find an exciting experiment to complete on the website:  <a href="https://sciencebob.com/category/experiments/">https://sciencebob.com/category/experiments/</a>  <a href="https://sciencefun.org/kidszone/experiments/">https://sciencefun.org/kidszone/experiments/</a></p> <p>Keep track of your findings, results, and reflections in your workbook, or by sending photos or videos to your class teacher.</p>

## History/Geography

<p>Historical Figure Biography</p>	<p>Research information on a famous person from the past. Why are they important to you, and to our world today? What were their accomplishments? (examples include Billie Jean King, Marie Curie, Tutankhamun, King Henry VIII, Ella Fitzgerald)</p> <p>Write a biography about the famous person. Ensure to include:</p> <ul style="list-style-type: none"> <li>- Early Life</li> <li>- Key moments or accomplishments</li> <li>- Why they are famous</li> <li>- Why they are significant in our world today</li> </ul>
<p>Anglo Saxons and Vikings</p>	<p>Conduct your own research on the Anglo Saxons and Vikings. How will you present the information you have learnt? Consider creating a presentation, portfolio, video, blog, diorama, etc.</p> <p>Key questions for you to consider are:</p> <p><i>What were the reasons for the invasion of Britain after the Romans left? (what happened after Romans left, why did they come to Britain, where did they come from and why did they settle?)</i></p> <p><i>What was life like in Anglo-Saxon Britain? (how did they live, what were their settlements like, how were they different to the Romans, how they dressed?)</i></p> <p><i>What were the beliefs and values of people at that time? (what did they believe in and why was it important to them, what human qualities were desirable?)</i></p> <p><i>Why did the Vikings invade Britain, what were they like and how did they live? (who were the Vikings, where did they come from, what sort of people were they and why did they stay?)</i></p> <p><i>What Viking events have taken place in Croydon during the time of the Vikings? (who was St Alfege and why should we know about him?)</i></p> <p><i>What was the Norman invasion? (why did William invade, what happened after he invaded, what evidence have the Anglo-Saxons and Vikings left that they were in Britain?)</i></p>

## Art/DT

<p>Drawing</p>	<p>Create your own art piece inspired by Sam Cannon. Create your own picture with a message scripted below. Find different ways to create juxtaposition and experiment with colour to change moods.</p> <div data-bbox="472 1720 916 2033"> </div> <div data-bbox="930 1720 1070 2033"> </div> <div data-bbox="1086 1720 1414 2033"> </div>
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Collage/Sculpture	<p>Collect recycled materials from around your house and create your own collage or sculpture. Could you use a book or artist as inspiration?</p> 
Sewing	<p>Can you upcycle old clothes to make something new? Use your knowledge of recycled fashion to create a new outfit for you or a family member.</p>

## PE

Circuit sessions	<p>Pick <b>6</b> exercises to complete (including a rest break). These should be varied and focus on a range of muscle groups (e.g. don't just do legs!)</p> <p>Warm up, by doing each exercise for <b>1-minute</b> focusing on your technique and getting the movement correct (clips on youtube can help with this).</p> <p>Once you are feeling warm, perform each activity for two minutes (with minimum break) you should be aiming to perform each action to full effort, without losing your form.</p> <p>Cool down with gentle stretching of the whole body</p> <p>You can increase difficulty by adding weight (e.g. 2 tins of food) or by using a taller chair for some of the exercises</p> <p>Ensure you risk assess each area for any possible hazards and ensured that you are in good physical health to do so. If you are feeling unwell or displaying symptoms please consider rest.</p>
Online resources	<p>Cosmic Yoga is an online platform for yoga, mindfulness and relaxation.  <a href="https://www.youtube.com/user/CosmicKidsYoga?pbjreload=10">https://www.youtube.com/user/CosmicKidsYoga?pbjreload=10</a></p> <p>Supermovers BBC combines the different topics to specific actions and dances to get people moving  <a href="https://www.bbc.co.uk/teach/supermovers">https://www.bbc.co.uk/teach/supermovers</a></p> <p>The body coach has 5-Minute Kids Workouts and adult centric circuit sessions. Look out for his healthy recipe ideas also          Youtube Body Coach 5 minute Kids Workout</p> <p>Nuffield Health for Kids is a registered health provider in the UK who have created a small exercise video that can be done daily  <a href="https://www.youtube.com/watch?v=aHVR2FnTpdk">https://www.youtube.com/watch?v=aHVR2FnTpdk</a></p>

	GoNoodle creates dances and movements to some of the most random topics imaginable! <a href="https://www.youtube.com/user/GoNoodleGames">https://www.youtube.com/user/GoNoodleGames</a>
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## French

Labelling	Use an online French-English dictionary to label familiar objects around your house with post-it notes or scrap paper. E.g. chair = chaise
Music	Listen to French music online (Youtube / Spotify) and see if you can translate any of the words – or create your own song in French

## My Book Review

Title: \_\_\_\_\_ Author: \_\_\_\_\_

What is your book about? (no spoilers)

What you particularly liked about the book:

- Who was your favourite character, and why?
- Did the characters feel real to you?
- Did the story keep you guessing?
- What was your favourite part of the book, and why?
- Were certain types of scene written particularly well - for example sad scenes, tense scenes, mysterious ones...?
- Did the book make you laugh or cry?
- Did the story grip you and keep you turning the pages?

What you particularly disliked about the book:

- Did you wish the ending hadn't been a cliffhanger because you found it frustrating?
- Did you find it difficult to care about a main character, and could you work out why?
- Was the story too scary for your liking, or did it focus on a theme you didn't find interesting?

Summarise your review

- Any books you could compare it to?
- Who would you recommend the book to?
- How would you rate it?



## Plan a diary entry

Introduction:

Feelings

Thoughts

Success Criteria:

- First person
- Past tense
- Range of adverbials
- Sustained tone of informality
- 5 senses
- Range of punctuation
- Internal monologue (including rhetorical questions)

Feelings

Thoughts

Feelings

Thoughts

Main:

Ending:

The diagram illustrates a cyclical process for planning a diary entry. It features three main text areas: 'Introduction:', 'Main:', and 'Ending:', each represented by a large rounded rectangle with horizontal lines. These are interconnected by a series of circular nodes, each labeled 'Thoughts' or 'Feelings'. The flow is indicated by arrows: a large black arrow points from the 'Introduction:' box to the 'Thoughts' circle below it; orange curved arrows show a clockwise path from the 'Introduction:' box to a 'Feelings' circle, then to a 'Thoughts' circle, then to another 'Feelings' circle, then to another 'Thoughts' circle, then to the 'Main:' box, then to a 'Thoughts' circle, then to a 'Feelings' circle, and finally back to the 'Introduction:' box. A large black arrow also points from the 'Main:' box to the 'Ending:' box.



KS2 Story Mountain Plan

Problem

Build up

Solution

Scene setting

Climax

### INTRODUCTION (Remember the 5 W's)

[illegible]

**QUOTES I WILL USE (Remember inverted Commas)**

[illegible]

**PARAGRAPH 2 (Go into more detail about who and what)**

[illegible]

## HEADLINE

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**PARAGRAPH 3 (Go into more detail about where and when)**

[illegible]

Sentence Openers and Connectives that I will use are:

[illegible]


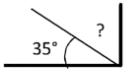
**CONCLUSION (You might need to change tense – what is happening now and in the future)**

[illegible]

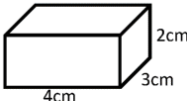
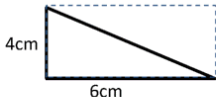
## Newspaper Report Template




[illegible]

[illegible]

1)	$\frac{1}{2} + \frac{1}{6}$	
2)	Convert $1\frac{1}{2}$ into a decimal	
3)	I am between 20 and 30. I am a multiple of both 3 and 4. Who am I?	
4)	Round 5.824 to the nearest whole number.	
5)	$4 \times 7 = 30 - \underline{\hspace{1cm}}$	
6)	Find $\frac{3}{7}$ of 35	
7)	The time is 7:35am. What is the time in the 24-hour clock?	
8)	Which is the <b>largest</b> ? 0.62   0.47   0.8   0.67   0.53   0.09	
9)	$0.6 \times 4$	
10)	What is the median of: 35, 27, 51, 31, 28, 19, 33	
11)	How many lines of symmetry? 	
12)	Captain has £80. Flame has a £20 note plus seven £5 notes. How much more money does the Captain have?	
13)	(1 foot = 12 inches) How many inches is $5\frac{1}{2}$ feet?	
14)	Sally pays £25 for two tubes of paint: a blue tube and a red tube. The blue tube cost £7 more than the red tube. How much did each tube cost?	
15)	I am facing north-east. I turn a right angle clockwise. What direction am I facing now?	
16)	What is the missing angle? 	
17)	$0.73 + \underline{\hspace{1cm}} = 1$	
18)	If $x + 9 = 13$ , what is the value of $x$ ?	

1)	$3\frac{2}{5} + 5\frac{1}{5}$	
2)	What is 50% of £48?	
3)	Write down all the factors of 45. <u>    </u> <u>    </u> <u>    </u> <u>    </u> <u>    </u> <u>    </u>	
4)	What is the volume of this cuboid? 	
5)	Convert 37% into a fraction.	
6)	Write $3\frac{2}{5}$ as an improper fraction.	
7)	What is the area of this triangle? 	
8)	Round 6257.5 to the nearest 10	
9)	Find the value of $x$ if $3x + 1 = 16$ .	
10)	The flight time from Boston to London is 6 hours 20 minutes. I arrive in London at 4:05pm. What time did I set off from Boston?	
11)	Find the mode of 4, 6, 2, 5, 3, 4, 2, 6, 1, 7, 4, 3, and 8.	
12)	A bag contains 5 blue beads and 3 yellow beads. I pull a bead at random out from the bag. What is the probability it is yellow?	
13)	Write $\frac{12}{36}$ in its simplest form.	
14)	Quadra gets £120 for her birthday. She spends $\frac{3}{4}$ and saves the rest. How much does she save?	
15)	If $x = 7$ , work out the value of $x^2 - 5$ .	
16)	If 1kg of rice costs £1.20, how much does 500g cost?	
17)	How many vertices does a hexagonal pyramid have?	
18)	Convert 0.7 into a percentage.	

1)	Find $\frac{1}{4}$ of £32.	
2)	$1 - 0.92$	
3)	Find the value of $(x - 6)/3$ if $x = 21$ .	
4)	$10 \times 4 = 26 + \underline{\hspace{1cm}}$	
5)	Round 6.283 to 1dp	
6)	What is the missing number? 7.3 <u>     </u> 8.1   8.5   8.9	
7)	What 3d shape is this the net for? 	
8)	How many faces does a triangular prism have?	
9)	In a group of children, $\frac{3}{5}$ like to play tennis. If there are 25 children, how many do not like tennis?	
10)	Timmy and Tommy are two boys whose ages add up to 23. Timmy is 5 years older than Tommy. How old are they?	
11)	How long is the line? 	
12)	What is the <b>mean</b> of 13, 7, 8 and 4?	
13)	Which is the <b>smallest</b> ? 0.37   0.194   0.6   0.473   0.29	
14)	$3\frac{2}{5} + 2\frac{1}{5}$	
15)	How much is half of a quarter?	
16)	A rectangular swimming pool measures $5\frac{1}{2}$ metres by $3\frac{3}{4}$ metres. What is the <b>perimeter</b> ?	
17)	What do angles around a point add up to?	
18)	The <b>ratio</b> of lions to tigers in a zoo is 1:3. If there are 4 lions, how many tigers will there be?	
1)	$20 + 0.6 + 0.02$	
2)	$360 \div 4$	
3)	How many edges? 	
4)	I have a litre bottle of cola. I drink 650ml. How much is left?	ml
5)	Which two numbers have a sum of 15 and a product of 36?	
6)	(1 gallon = 8 pints) How many pints make 6 gallons?	
7)	$4\frac{1}{3} - 1\frac{2}{3}$	
8)	Write down all the factors of 33. <u>     </u> <u>     </u> <u>     </u> <u>     </u>	
9)	Which of these numbers is <b>not</b> a multiple of 3? 81   111   73   27   105	
10)	Flight time from Houston to Orlando is 2 hours to 20 minutes. I arrive at Orlando at 4:15pm. What time did I set off?	
11)	What is $\frac{3}{4}$ of 20m?	m
12)	What is the value of $3(x - 6)$ when $x = 11$ ?	
13)	At a wildlife centre, adult entry is £12 and child entry is £8. I pay for 2 adults and 3 children with a £50 note. How much change?	
14)	The time is a quarter to 7 in the evening. Write this in 24-hour time.	
15)	A kid's skipping rope is 210 cm long. How many ropes could I cut from a 10-metre-long piece of rope?	
16)	Number cards from 1 to 10 are placed in a bag. Flame chooses a card at random. What is the chance that it is a multiple of 4?	
17)	Write down all the <b>prime</b> numbers between 10 and 20.	
18)	How many thirds make 5?	

# Y6 Fractions

1 Which is bigger  $\frac{7}{10}$  or  $\frac{3}{5}$  ? Explain how you know.

Circle the bigger fractions.

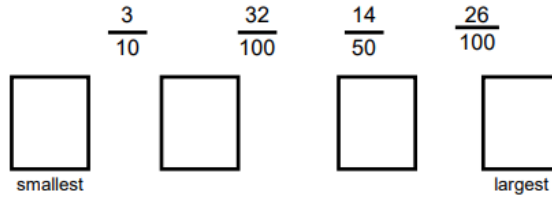
2  $\frac{3}{10}$  or  $\frac{1}{5}$

3  $\frac{60}{100}$  or  $\frac{32}{50}$

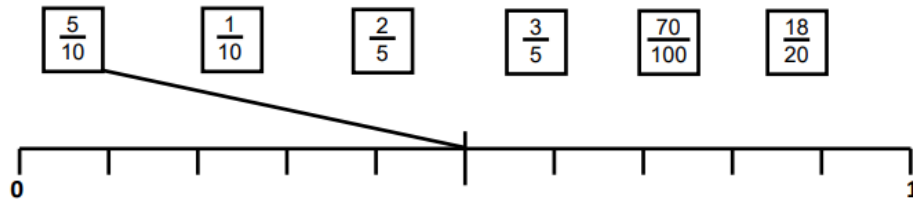
4  $\frac{3}{10}$  or  $\frac{5}{20}$

5  $\frac{6}{7}$  or  $\frac{11}{14}$

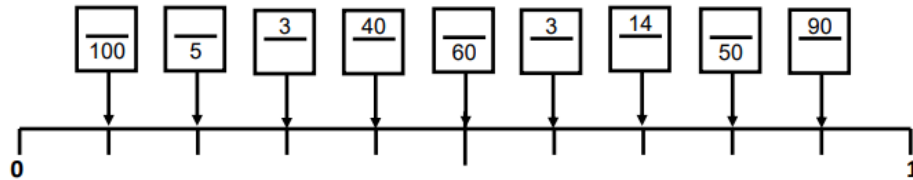
6 Order the fractions from smallest to largest.



7 Draw a line to show the position of the fractions on the number line. The first one has been done for you.



8 Write a number in each box to make fractions that are correctly positioned on the number line.





1 Write a number that is:

a) a multiple of 3 and a multiple of 5

b) a multiple of 4 and a multiple of 10

c) a multiple of 3 and a multiple of 4 and a multiple of 8

2 Adam is thinking of a number.  
His number is a multiple of 4 and a multiple of 6.  
What is the smallest number Adam could be thinking of?

3 Which is bigger  $\frac{2}{3}$  or  $\frac{3}{5}$  ? Explain how you know.

4 Order the fractions from smallest to largest.

$\frac{3}{4}$   
  
smallest

$\frac{9}{10}$

$\frac{16}{20}$

$\frac{3}{5}$   
  
largest

5 Look at these signs.  
Write the correct sign in each box.

<
=
>

a)  $\frac{5}{6}$    $\frac{3}{4}$

b)  $\frac{2}{3}$    $\frac{7}{10}$

c)  $\frac{6}{8}$    $\frac{9}{12}$

d)  $\frac{5}{7}$    $\frac{7}{10}$

e)  $\frac{7}{12}$    $\frac{5}{8}$

f)  $\frac{5}{9}$    $\frac{3}{5}$

E.g. $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$	1 $\frac{1}{5} + \frac{2}{3} =$
2 $\frac{1}{6} + \frac{3}{5} =$	3 $\frac{1}{3} - \frac{1}{4} =$
4 $\frac{2}{3} + \frac{3}{10} =$	5 $\frac{3}{4} - \frac{3}{5} =$
6 $\frac{1}{2} + \frac{3}{8} =$	7 $\frac{21}{25} - \frac{3}{4} =$
8 $\frac{4}{5} + \frac{1}{8} =$	9 $\frac{9}{10} - \frac{1}{3} =$
10 $\frac{3}{5} + \frac{2}{7} =$	11 $\frac{5}{6} - \frac{2}{5} =$