Year 4 Home Learning

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

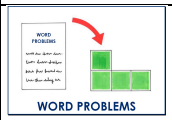
English Reading

Daily Reading	Read a book of your choice and record your reflections in your reading log.
Book Review	Use the template to create your own report for a book you have read.
Book Comparison	Read two different genres of books. Reflect on which book you preferred and why.

English Writing

Diary Writing	Create a diary entry from the point of view of a character from a book or film. Include the date, dear diary, first person, time adverbials, past tense, colloquial language, rhetorical questions, emotive language and paragraphs.
Story Writing	Use the story map to plan your plot, characters, and setting. Then write your own story including descriptive language, adverbs, varied openers, paragraphs, conjunctions, and a range of punctuation, including dialogue. Now can you tell your story out loud to an audience?
Newspaper Report	Create your own newspaper/blog about current affairs and experiences. Include headings, subheadings, 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: - Adverbs - Manner adverbials/ Time adverbials - Conjunctions - Inverted commas (speech) - Punctuation - Prepositions
Documentary Script writing	Write a script to present a documentary on a topic of your choice. Make sure to include facts and explanations using the 'cause, impact, solution' model discussed in class. Then record yourself presenting your documentary to send to your class teacher.

Maths

Times Tables Rockstars	Take part in daily times tables competitions, or test your speed by answering multiplication and division questions up to 12x12 on https://ttrockstars.com
Four Operations Flashcards	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? **Addition** – 4 digit add 4 digit (with carrying) **Subtraction** – 4 digit take away 4 digit (with exchanging) **Multiplication** – 2 or 3 digit times 1 digit **Division** – 2 or 3 digit divided by 1 digit
Arithmetic	Practice your arithmetic skills by completing the tests and arithmetic worksheets.
Fractions	Complete the fractions investigations using your knowledge of quarters, thirds, halves, fifths, tenths and wholes. Remember to use the key vocabulary: Numerator Denominator
Word Problems	 Create your own word problems for the operations of your choice. Could you quiz yourself, or a family member?

Science

STEM Project: Westminster Abbey 	Can you create a replica of Westminster Abbey using appropriate materials? What design features will you use to add details? How could you create stained-glass windows? Remember to follow the scientific process for a STEM project: - Ask – identify the needs and constraints - Research – research the problem - Imagine – develop possible solutions - Plan – select a promising solution - Create – build a prototype - Test – test and evaluate the prototype - Improve – redesign as needed 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.
Sound Survey	Can you conduct a sound survey in and around your home? What type of sounds can you hear? Create a poster, diagram or diorama to explain how the sounds travel from their source to your ear.
Science Investigations	Find an exciting experiment to complete on the website: https://sciencebob.com/category/experiments/ https://sciencefun.org/kidszone/experiments/ Keep track of your findings, results, and reflections in your workbook, or by sending photos or videos to your class teacher.

History/Geography

Historical Figure Biography	Research information on a famous person from the past, local to Greenwich. Why are they important to you, and to our world today? What were their accomplishments? (examples include King Henry VIII, Lord Nelson, Arthur Tyler, Sir John Vanbrugh, Daniel Day-Lewis) Write a biography about the famous person. Ensure to include: - Early Life - Key moments or accomplishments - Why they are famous - Why they are significant in our world today
Ancient Egyptians	Conduct your own research on the Ancient Egyptians. How will you present the information you have learnt? Consider creating a presentation, portfolio, video, blog, diorama, etc. Key questions for you to consider are: *Who were the Ancient Egyptians?* *What impact did they have on modern society?* *What was life like in Ancient Egypt?* *What are Mummies? What was involved in mummification?* *What was the purpose of the pyramids? How were they built?* *Who was Tutankhamun? What is his legacy?* *Who were the Ancient Egyptian gods? What did they represent?*

Art/DT

Drawing	Create an urban and rural landscape drawing using a range of shading techniques. Compare the two. Which techniques suit each environment best?
Sewing	Can you use the skills learned from our recent art visit to sew a picture of your favourite animal?

PE

Circuit sessions	Pick **6** 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!)

	Warm up, by doing each exercise for **1-minute** focusing on your technique and getting the movement correct (clips on youtube can help with this). 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. Cool down with gentle stretching of the whole body You can increase difficulty by adding weight (e.g. 2 tins of food) or by using a taller chair for some of the exercises 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.
Online resources	Cosmic Yoga is an online platform for yoga, mindfulness and relaxation. https://www.youtube.com/user/CosmicKidsYoga?pbjreload=10 Supermovers BBC combines the different topics to specific actions and dances to get people moving https://www.bbc.co.uk/teach/supermovers 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 Nuffield Health for Kids is a registered health provider in the UK who have created a small exercise video that can be done daily https://www.youtube.com/watch?v=aHVR2FnTpdk GoNoodle creates dances and movements to some of the most random topics imaginable! https://www.youtube.com/user/GoNoodleGames

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
Conversation	Teach an adult or a sibling how to greet one another in French. Practice your conversational French by asking them how their day is and teaching them how to respond in French.

My Book Review

Title: _____ Author:_____

<table>
<tr><td colspan="2">Write a summary of your book:</td></tr>
<tr><td>I enjoyed… because…
What gripped me was…because…
The most surprising thing was…</td><td>I disliked… because…
My least favourite part was…because…</td></tr>
<tr><td>I would/would not recommend this book… because…
The type of reader it will suit is…</td><td>I rate this book…. because…
 </td></tr>
</table>

Success Criteria:

- date,
- dear diary,
- first person,
- time adverbials,
- past tense,
- colloquial language,
- rhetorical questions,
- emotive language
- paragraphs

Plan a diary entry

Introduction: _____

Feelings

Thoughts

Feelings

Main:

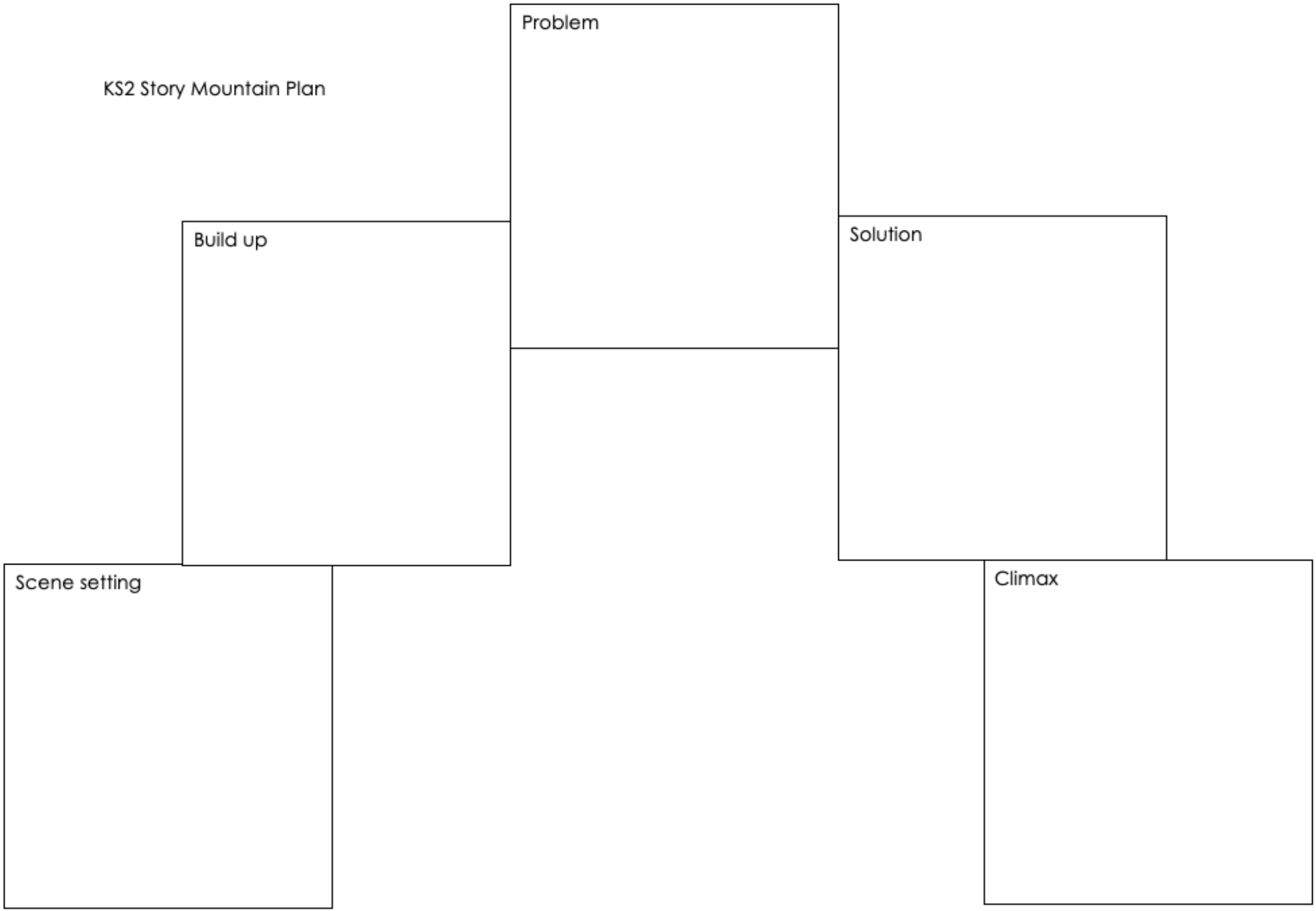
Thoughts

Feelings

Thoughts

Ending: _____

KS2 Story Mountain Plan



INTRODUCTION (Remember the 5 W's)

QUOTES I WILL USE (Remember inverted Commas)

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

HEADLINE

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

Sentence Openers and Connectives that I will use are:

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

Newspaper Report Template

×	2	5	3	4	8	6	7	9	11	12
10										
2										
5										
3										
4										
8										
6										
7										
9										
11										

Instructions

You have 5 minutes to do your best.

In the boxes, write the answer you get when you multiply the number to the left by the number above.

For example, in the first box you write the answer to 10 × 2. In the last box you write the answer to 11 × 12.

Hint: you can start with your favourite rows or columns. You don't have to start with row 1.

Time: _____ Score : _____

×	2	5	3	4	8	6	7	9	11	12
10										
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5										
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4										
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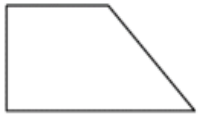
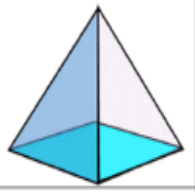
Time: _____ Score : _____

1)	7 + ___ = 19	
2)	How many sides does a hexagon have?	
3)	10 x 7	
4)	What is the value of the digit 1 in the number 4215?	
5)	Round 73 to the nearest 10	
6)	28 – 25	
7)	Half of 16	
8)	How many minutes in three quarters of an hour?	
9)	How many right angles can you see in the shape? 	
10)	The time is 10:20am. What will the time be in 2 hours?	
11)	What is the missing number in the sequence? 39, 37, 35, 33, 31, ___	
12)	14 + 9 + 6	
13)	Write down the number four hundred thirty-six	
14)	What is the total of all the coins?	
15)	The date is 28th April. What will the date be in 5 days' time?	
16)	How many mm is 3 ½ cm?	

1)	30 ÷ 6	
2)	3000 + 500 + 8	
3)	What is this 3d shape called? 	
4)	How many faces does the shape above have?	
5)	⅖ + ___ = 1	
6)	7 x 6	
7)	What is the difference between double 12 and half of 40?	
8)	Which of these numbers is not a factor of 12? **2 6 3 10 4 1**	
9)	Round 3728 to the nearest 1000	
10)	The temperature is 12°C. It falls by 15 degrees at night. What is the temperature now?	
11)	A chicken needs cooking for 2 hours 20 minutes. It needs to be cooked at 1pm. What time do I need to start cooking it?	
12)	I have £10. I spend £4.20. How much money do I have now?	
13)	The date is 3rd August. What was the date a week ago?	
14)	I am a square with sides length 3 cm. What is my perimeter?	
15)	I think of a number. I double it and add one. The answer is 17. What was my number?	
16)	16 + ___ = 5 x 5	

1	$4 \times 6 =$	21	$7 \times 3 =$	41	$7 \times 2 =$
2	$9 \times 8 =$	22	$6 \times 1 =$	42	$1 \times 7 =$
3	$5 \times 4 =$	23	$8 \times 10 =$	43	$9 \times 3 =$
4	$7 \times 7 =$	24	$5 \times 1 =$	44	$6 \times 5 =$
5	$5 \times 3 =$	25	$9 \times 6 =$	45	$9 \times 10 =$
6	$2 \times 1 =$	26	$8 \times 8 =$	46	$1 \times 7 =$
7	$6 \times 7 =$	27	$4 \times 8 =$	47	$8 \times 2 =$
8	$6 \times 11 =$	28	$11 \times 6 =$	48	$11 \times 6 =$
9	$9 \times 12 =$	29	$8 \times 5 =$	49	$5 \times 12 =$
10	$5 \times 9 =$	30	$3 \times 8 =$	50	$2 \times 4 =$
11	$10 \times 11 =$	31	$2 \times 8 =$	51	$4 \times 7 =$
12	$4 \times 8 =$	32	$2 \times 10 =$	52	$2 \times 7 =$
13	$5 \times 4 =$	33	$12 \times 7 =$	53	$3 \times 8 =$
14	$10 \times 11 =$	34	$10 \times 12 =$	54	$3 \times 10 =$
15	$8 \times 7 =$	35	$5 \times 8 =$	55	$4 \times 2 =$
16	$5 \times 6 =$	36	$6 \times 11 =$	56	$1 \times 7 =$
17	$5 \times 9 =$	37	$1 \times 12 =$	57	$9 \times 8 =$
18	$3 \times 8 =$	38	$6 \times 7 =$	58	$5 \times 4 =$
19	$11 \times 2 =$	39	$3 \times 5 =$	59	$12 \times 5 =$
20	$8 \times 11 =$	40	$11 \times 8 =$	60	$4 \times 10 =$

1	44 ÷ 4 =	21	32 ÷ 4 =	41	30 ÷ 5 =
2	24 ÷ 3 =	22	132 ÷ 11 =	42	55 ÷ 11 =
3	50 ÷ 5 =	23	2 ÷ 2 =	43	63 ÷ 7 =
4	20 ÷ 2 =	24	54 ÷ 9 =	44	40 ÷ 8 =
5	110 ÷ 10 =	25	36 ÷ 12 =	45	21 ÷ 3 =
6	40 ÷ 8 =	26	24 ÷ 4 =	46	55 ÷ 11 =
7	24 ÷ 6 =	27	132 ÷ 11 =	47	36 ÷ 12 =
8	24 ÷ 8 =	28	84 ÷ 7 =	48	4 ÷ 2 =
9	16 ÷ 2 =	29	24 ÷ 2 =	49	88 ÷ 11 =
10	120 ÷ 12 =	30	18 ÷ 3 =	50	45 ÷ 5 =
11	132 ÷ 12 =	31	14 ÷ 7 =	51	33 ÷ 3 =
12	44 ÷ 11 =	32	20 ÷ 4 =	52	24 ÷ 2 =
13	9 ÷ 3 =	33	18 ÷ 6 =	53	28 ÷ 4 =
14	24 ÷ 3 =	34	11 ÷ 11 =	54	30 ÷ 5 =
15	36 ÷ 3 =	35	55 ÷ 11 =	55	14 ÷ 7 =
16	120 ÷ 10 =	36	121 ÷ 11 =	56	54 ÷ 6 =
17	63 ÷ 9 =	37	24 ÷ 3 =	57	40 ÷ 5 =
18	36 ÷ 9 =	38	96 ÷ 12 =	58	108 ÷ 9 =
19	36 ÷ 12 =	39	14 ÷ 2 =	59	12 ÷ 6 =
20	132 ÷ 12 =	40	36 ÷ 4 =	60	11 ÷ 11 =

1	12 × 2 = _____	21	9 × 12 = _____	41	11 ÷ 11 = _____
2	3 × 1 = _____	22	7 × 6 = _____	42	36 ÷ 3 = _____
3	10 × 8 = _____	23	10 × 6 = _____	43	35 ÷ 7 = _____
4	9 × 2 = _____	24	7 × 5 = _____	44	35 ÷ 7 = _____
5	2 × 5 = _____	25	9 × 9 = _____	45	40 ÷ 10 = _____
6	5 × 5 = _____	26	5 × 12 = _____	46	144 ÷ 12 = _____
7	3 × 7 = _____	27	6 × 5 = _____	47	45 ÷ 9 = _____
8	10 × 1 = _____	28	7 × 3 = _____	48	72 ÷ 12 = _____
9	3 × 7 = _____	29	9 × 5 = _____	49	16 ÷ 8 = _____
10	11 × 6 = _____	30	6 × 4 = _____	50	45 ÷ 9 = _____
11	8 × 11 = _____	31	11 ÷ 11 = _____	51	132 ÷ 12 = _____
12	12 × 7 = _____	32	36 ÷ 4 = _____	52	11 ÷ 11 = _____
13	7 × 3 = _____	33	27 ÷ 9 = _____	53	40 ÷ 5 = _____
14	2 × 11 = _____	34	44 ÷ 4 = _____	54	50 ÷ 5 = _____
15	11 × 11 = _____	35	16 ÷ 8 = _____	55	35 ÷ 7 = _____
16	7 × 2 = _____	36	36 ÷ 12 = _____	56	56 ÷ 8 = _____
17	3 × 7 = _____	37	70 ÷ 7 = _____	57	88 ÷ 8 = _____
18	7 × 1 = _____	38	88 ÷ 11 = _____	58	108 ÷ 12 = _____
19	7 × 6 = _____	39	50 ÷ 5 = _____	59	132 ÷ 11 = _____
20	2 × 9 = _____	40	21 ÷ 7 = _____	60	22 ÷ 2 = _____

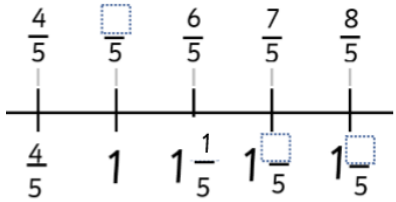
Y4 Fraction Investigations

Counting in Fractions

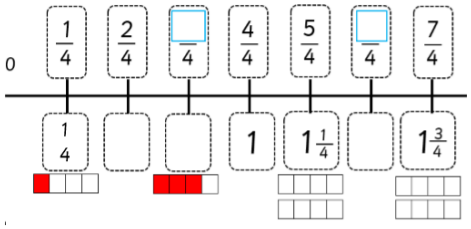
Write the next sequence of the fractions below.

$\frac{1}{2}$, 1, $1\frac{1}{2}$, 2, ___, ___

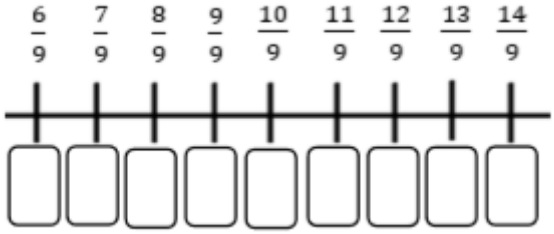
Fill in the blanks



Complete the number-lines and the bar model.



Complete the number line to show the improper fractions sequence as a mixed number sequence.



Here is a number sequence. Which fraction would come next?

$\frac{5}{10}$, $\frac{7}{10}$, $\frac{10}{10}$, $\frac{14}{10}$, $\frac{19}{10}$, _____

Word Problems

1) Mr Carroll has 64 sweets. He eats 1/8. How many does he eat?
2) Miss Swire eats 3/8 **more.** How many does she eat?

3) The zoo keeper has 56 apples. She gives 2/7 to the tigers to feed them. How many does she give to feed them?

3) I have £81. I gave 1/9 of my money to WWF charity to help save the tigers. How much did I give?
4) How much do I have left?

5) There are 72 bees in the hive. 2/8 have brought pollen back. How many bees brought the pollen?

Sound Survey

Take a walk around indoors or outside to identify and describe the sounds you can hear! What is making each sound? Listen carefully. Can you hear high and low sounds? Can you hear loud and quiet sounds?

Fill in the table by describing the sounds you can hear.

What can you hear?	Is it high or low?	Is it loud or quiet?

How did these sounds reach your ears? Choose one of the sounds you heard and draw or write about how that sound travelled from its source to your ear.