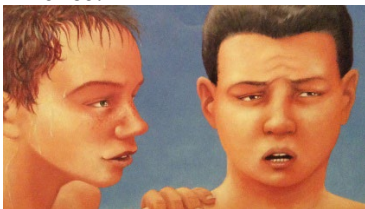
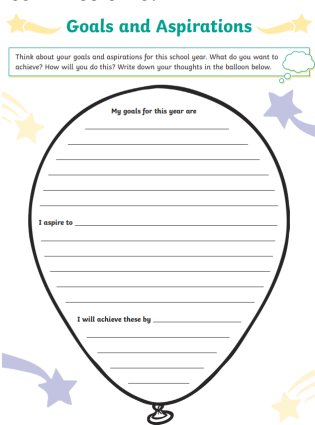
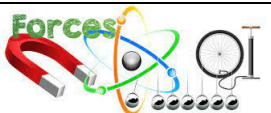


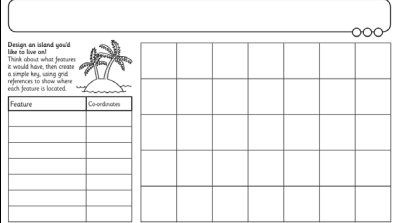
Year 5 Homework Grid

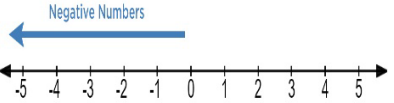
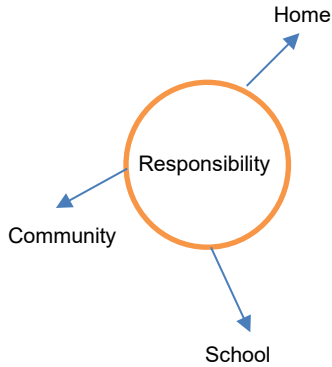
Your homework activities for this term are on the grid below. You can choose to complete the activities in any order; most of the learning activities are linked to our current topic so you should already have lots of knowledge about the areas of study! Make sure that you ask someone at home to help you if you find any of the activities too tricky and always ask an adult to accompany you with any outdoor activities.

- ✓ Complete activities in your Homework book – if you use a sheet please stick this into your book.
- ✓ Complete at least one activity every two weeks
- ✓ Remember you have the whole term to complete all tasks
- ✓ Homework is due back to school every Wednesday for your teacher to look at your work
- ✓ You will be set one activity page each week from the English CGP book and one from the maths White Rose book (your teacher will let you know the page numbers)
- ✓ In addition to these activities, practise your spellings on a regular basis and try and find some time to read each day

Additional Maths activity: Feel free to also complete any of the additional Maths activities if you would like an extra challenge!

1. English	2. PSHE	3. Science	4. Art	5. History
In English, we have been reading the book “The Watertower.” We discussed what could happen in the next instalment of the story. What could happen to our two characters Bubba and Spike? Will we discover if it is the real Spike in the Watertower or an imposter? Can you begin your short story from where the book finishes?  “Hey Bubba is that really you?” Called up Spike looking puzzled. Think about how you could make your dialogue realistic and dramatic.	One of our school values at Manland is aspiration. Write a short paragraph about what you would like to achieve this year. This might involve sports, hobbies, handwriting, etc. What or who will help you to achieve your goals? The template at the back of the pack can help you to write this. 	 In Science this term, we are learning about forces and I want you to carry out your own home investigation. At the back of this pack, there is a helicopter template for you cut and make. Drop your helicopter from a height and time how long it takes to reach the ground. Is there a way to make your helicopter fall slower or faster? Draw a picture or take a photo of you testing your helicopters. What did you do to make it to go faster and slower? Think about the forces of gravity and air resistance.	In Art, we are looking at the work of the American artist Georgia O’Keeffe, who painted images of nature. Can you look through the examples of her work and choose one painting that you especially like? What is it that you like about this artwork? Think about the style, colours and techniques she has used.  https://www.tate.org.uk/kids/explore/who-is/who-georgia-okeeffe	Our topic in history is Berkhamstead castle.  We will be studying how the design of castles has changed over time. You could visit Berkhamstead castle and find out about it and its history. Or choose any other castle in Britain and find out about its origins? Why was it built in this place and who used it as a place of defense? <u>Useful websites:</u> https://www.english-heritage.org.uk/visit/places/berkhamsted-castle/opening-times/ https://www.english-heritage.org.uk/members-area/kids/kids-castles/ https://historyforkids.org/castles/ https://www.dkfindout.com/uk/history/castles/
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1. English	2. Geography	3. Science	4. D & T	5. Art
We have been looking at how suspense is created in writing. Can you write a suspenseful paragraph about the picture below? (larger copy of the picture is at the back of the pack) Think about short snappy sentences, mood and colour. Focus on using powerful adjectives to describe the setting. 	Design Your Dream Island  Next half term, in Geography, we will be studying Maps. Design your own dream island either directly into your homework book or on the sheet attached. What features would you include? Then create a key for the symbols that you use for each of your features. For inspiration for your symbols use the following website which explains the ordinance survey symbols: https://getoutside.ordnancesurvey.co.uk/guides/beginners-guide-to-os-map-symbols/	Earth and Space  In Science next half term, we will be looking the Earth and our solar system. Look these the websites: https://www.bbc.co.uk/bitesize/topics/zjmqqmn https://kids.nationalgeographic.com/space/article/what-is-a-planet#:~:text=Our%20solar%20system's%20eight%20planets,%2C%20Uranus%2C%20and%20Neptune).&text=You%20can%20spot%20six%20of,have%20binoculars%20or%20a%20telescope. Use the information and other books to make a presentation on our solar system or a planet of your choice. You could create a poster or present your findings in a Powerpoint.	 After half term, in D & T, we will be learning about bridges. For this homework, I would like you to research one or more of the famous bridges in the UK. Such as Tower Bridge, The Clifton Suspension Bridge, Tyne Bridge and The Millennium Bridge. As part of your research, you could research the answers to the following questions: • Type of bridge • Who designed it? • When it was built • What material it was built out of. • It's location You may present the information that you learn in a method of your choice. For example, a PowerPoint, a poster or a booklet.	We have been learning about Georgia O'Keefe. She painted many paintings, taking her inspiration from nature. Could you choose an image of nature to draw? It could be a sketch of a flower, plant or tree.  https://www.tate.org.uk/kids/explore/who-is/who-georgia-okeeffe
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1. English	2. Mathematics	3. History	4. PSHE	5. Science
In English, our new topic will be recounts. Write a recount about a day you remember. This might be a birthday, party, family event, holiday, etc. Think about the features of a recount: - Time conjunctions e.g. firstly, next - Pronouns e.g. he/she/they - Past tense e.g. walked, shopped - Adjectives e.g. sunny, enjoyable 	Complete the Maths problems involving negative numbers. - Sarah had £620. She bought a TV for £220 and a new car for £550. How much money did Sarah spend over her limit? - On Tuesday, the weather in Canada was -4 degrees. In the evening, the temperature dropped 7 degrees further. In the morning, the temperature has increased by 3 degrees. What was the temperature in the morning? - If I am -£7 in my bank and I need to buy an item for £27, how much do I need to pay altogether? 	In History, we have learnt about invaders and settlers. Now we are going to learn about who William the Conqueror was and where he came from. Can you find out some interesting facts about this important historical character and write a fact file about him?  Useful websites: https://primaryfacts.com/q12/10-william-the-conqueror-facts/ https://www.bbc.co.uk/bitesize/topics/zvhjdp3/articles/zhryskz https://kids.britannica.com/kids/article/William-I/476339#:~:text=He%20was%20the%20illegitimate%20son,t he%20French%20province%20of%20Maine.	What responsibilities do you have in year 5? Create a mind map of all the ways we can be responsible and give examples of when you have done each one.  For example, 	Use a variety of sources, such as books and the internet, to find out about Galileo Galilei and Isaac Newton The work of these two scientists changed our understanding of forces, especially gravity! When were they born? Where? How long did they live for? What ideas did they develop about gravity and other forces? What experiments did they do to test and support their ideas? Are there any links or similarities between the work of these two scientists? Did they develop any other scientific ideas or make new discoveries? You could use the attached template to record your information on these important scientists or record the information in another way such as a powerpoint presentation. Useful websites: https://kids.britannica.com/kids/article/Galileo/351402 https://kids.britannica.com/kids/article/Isaac-Newton/353532
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Year 5 Maths Activity Mat

1

Section 1

Order the following numbers from smallest to largest.

56 892 52 698 52 689 56 298 56 289

--	--	--	--	--

smallest

largest

Section 2

Mr and Mrs Ahmed and their 3 children visit the zoo. Adult tickets are priced £8.50 and child tickets are priced £4.75. How much change will Mr Ahmed get from £50?

Section 3

Eric wants some pizzas cut into 20 pieces. He could have two pizzas cut into 10 pieces. Explain 3 other ways he could share some pizzas into 20 pieces.

_____ pizzas cut into _____ pieces.

_____ pizzas cut into _____ pieces.

_____ pizzas cut into _____ pieces.

Section 4

Match the mixed fractions and improper fractions.

$$\frac{13}{4}$$

$$1\frac{3}{4}$$

$$\frac{9}{4}$$

$$2\frac{1}{4}$$

$$\frac{7}{4}$$

$$3\frac{1}{4}$$

Section 5

Write the equivalent to the fractions and decimal fractions.

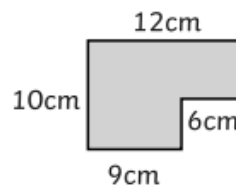
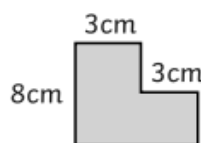
$$\frac{3}{4} =$$

$$\frac{7}{10} =$$

$$= 0.625$$

Section 6

Calculate the perimeter of these rectilinear shapes:



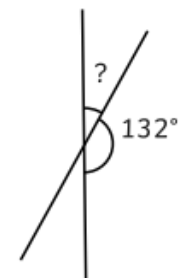
Section 8

Estimate the capacity of a large carton of orange juice in millilitres.



Section 7

Calculate the missing angle:



Spellings

This is a list of the statutory Year 3 and 4 spellings. Your child should be aiming to be secure with these spelling words.

accident	calendar	eight	guide	mention	possession	straight
accidentally	caught	eighth	heard	minute	possible	strange
actual	centre	enough	heart	natural	potatoes	strength
actually	century	exercise	height	naughty	pressure	suppose
address	certain	experience	history	notice	probably	surprise
although	circle	experiment	imagine	occasion	promise	therefore
answer	complete	extreme	increase	occasionally	purpose	though
appear	consider	famous	important	often	quarter	thought
arrive	continue	favourite	interest	opposite	question	through
believe	decide	February	island	ordinary	recent	various
bicycle	describe	forward	knowledge	particular	regular	weight
breath	different	forwards	learn	peculiar	reign	woman
breathe	difficult	fruit	length	perhaps	remember	women
build	disappear	grammar	library	popular	sentence	
busy	early	group	material	position	separate	
business	earth	guard	medicine	possess	special	

Spellings

This is a list of the statutory Year 5 and 6 spellings. Your child will start learning them in year 5.

accommodate	category	determined	forty	marvellous	programme	soldier
accompany	cemetery	develop	frequently	mischievous	pronunciation	stomach
according	committee	dictionary	government	muscle	queue	sufficient
achieve	communicate	disastrous	guarantee	necessary	recognise	suggest
aggressive	community	embarrass	harass	neighbour	recommend	symbol
amateur	competition	environment	hindrance	nuisance	relevant	system
ancient	conscience	equipment	identity	occupy	restaurant	temperature
apparent	conscious	equipped	immediate	occur	rhyme	thorough
appreciate	controversy	especially	immediately	opportunity	rhythm	twelfth
attached	convenience	exaggerate	individual	parliament	sacrifice	variety
available	correspond	excellent	interfere	persuade	secretary	vegetable
average	criticise	existence	interrupt	physical	shoulder	vehicle
awkward	curiosity	explanation	language	prejudice	signature	yacht
bargain	definite	familiar	leisure	privilege	sincere	
bruise	desperate	foreign	lightning	profession	sincerely	

Year 5 Maths Activity Mat

2

Section 1

Circle the numbers where 4 is in the thousands place:

94 735 83 492 41 854

54 467 94 578 25 451

74 501 50 892 94 410

Section 2

Calculate the following in your head:

$43 + 29 =$

$17 + 66 =$

$85 - 46 =$

$91 - 34 =$

Section 3

Calculate the following in your head:

$3.4 \times 100 =$

$1.09 \times 100 =$

$450 \div 100 =$

$2330 \div 100 =$

Section 5

Write the following decimals in words:

$4.56 =$

$0.03 =$

$9.17 =$

$5.55 =$

Section 7

What is the common name of a regular quadrilateral? Draw one.

Section 4

Use the $<$, $>$ or $=$ signs to compare these fractions:

$\frac{3}{5}$		$\frac{8}{10}$
$\frac{1}{4}$		$\frac{3}{12}$
$\frac{7}{8}$		$\frac{11}{16}$

Section 6

Complete the table to convert between millilitres and litres.

Millilitres	Litres
780ml	
	8l
1070ml	

Section 8

Here is a table showing the favourite colours of children in a school.

Colour	Number
Blue	42
Orange	14
Pink	29
Green	21

What is the difference between the number of children who chose the most favourite colour and the least favourite colour?

Year 5 Maths Activity Mat

3

Section 1

Continue these linear sequences:

4071	5071			
43 002	42 002			
71 112	81 112			
917 823	907 823			

Section 3

Calculate:

$3 \times 60 = \boxed{}$

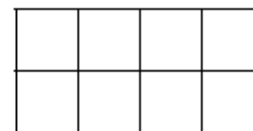
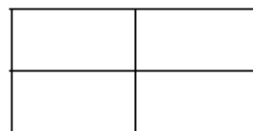
$50 \times 7 = \boxed{}$

$40 \times 80 = \boxed{}$

$70 \times 110 = \boxed{}$

Section 4

Shade the following rectangles so the same fraction is shaded in both and write the fraction they represent.



Section 5

Round the following numbers to the nearest tenth:

$3.05 = \boxed{}$

$6.78 = \boxed{}$

$18.83 = \boxed{}$

$25.95 = \boxed{}$

Section 2

Circle the prime numbers:

4 7
13 16
19 15
10 17

Section 6

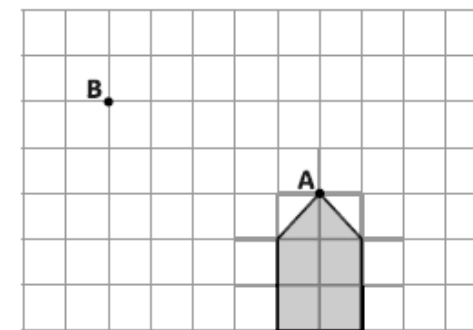
Amelia goes to see a film. The film lasts 108 minutes. It starts at 13:20. What time will it finish?

Section 7

Use a ruler to draw a rectangle where the longer side is twice the length of the shorter side.

Section 8

Translate this shape from point A to point B:





Design Your Dream Island



Design an island you'd like to live on!

Think about what features it would have, then create a simple key, using grid references to show where each feature is located.



Feature	Co-ordinates

Goals and Aspirations

Think about your goals and aspirations for this school year. What do you want to achieve? How will you do this? Write down your thoughts in the balloon below.

My goals for this year are

I aspire to

I will achieve these by

Science- Helicopter investigation

