English

This half term, our focus books are 'Boy at the Back of the Class' by Onjali Q.Rauf and 'Hidden Figures' by Margot Lee Shetterly.

We will be writing setting descriptions, narratives, letters and speeches.

<u>Year 5</u> Autumn 1 Newsletter

RE

We will be exploring the following questions:

- What helps Muslims through the journey of life?
- What are the 5 pillars of Islam?
- How and why do Muslims pray?

Maths

Art

This half term, our maths topics are:

- Place value
- Addition and subtraction

Geography

The children will learn about what life is like in the Alps. We are learning about where the Alps are located, its human and physical features and mountain formations.

PE

swimming.

We are focusing on Pablo Picasso and cubism this half term. The children will study and recreate artwork in the style of Picasso then create their own piece of artwork inspired by cubism.

Our focus sports this term are tag rugby and swimming. Mr Leeming will be in touch soon with more information regarding

PSHE

In PSHE this term, we will be learning about British values, rules and laws, diversity and equality.

Diary Dates

PE days: Monday and Friday Meet the teacher meeting: Monday 18th September 3:15PM

Music

This half term, the children will be taught to find and keep a steady beat, listen and copy rhythmic patterns by ear or from notation and copy back various melodic patterns.

<u>Science</u>

Our focus this half term is the Earth and space. We will be learning about how the Earth moves, the phases of the moon, the solar system and Katherine Johnson.

Autumn 1 Homework Mat

Please complete one task per week and upload a photo or video to Class Dojo.

English Task

Write a creative story about a school with no teachers and no rules. Imagine a new student arrives for their first day, what happens to them? How do they feel? Be imaginative- anything can happen in your story!

Maths Task

Invent a game that would help someone learn how to add together large, 4-digit numbers. Write the rules/instructions on a piece of A4 paper and take a picture for ClassDojo!

Science Task

Make a model that represents the planets in our solar system. You can present this model however you like, using play doh, paint or even food! Upload a picture to ClassDojo.

Geography Task

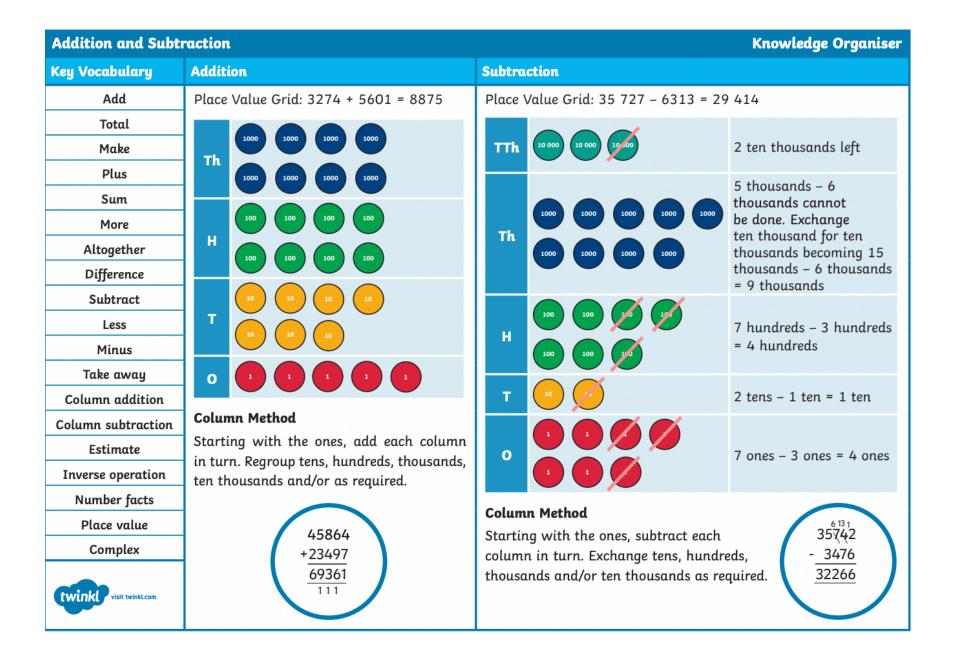
Research a mountain range (not the Alps!) and make an informative poster to teach the rest of the class about it. Upload a video to ClassDojo of you explaining your poster so we can learn about it as a class!

Art Task

Create a large piece of 3D artwork inspired by the cubism style by finding objects around the house that are various 3D shapes and arranging them to resemble a picture. Upload a picture to ClassDojo!

umber and Place	Value							Knov	vledg	e Org	anise	
Key Vocabulary	Compare and Order											
millions	equ	uals		greater than				less than				
thousands	26 + 38	3 = 8 × 8		23 873 > 8256				901 198 < 1 091 098				
hundreds		lations have		The number on the left has 2 ten thousands and the number on the right has 0 ten thousands.				The number on the right has 1 million and the number on				
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less than	Negative Numbers											
order	-25- <mark>24</mark> -23-22-2	1 <mark>-20</mark> -19-18-17-16-19	5-14-13-12-11-10-9	-8 -7 -6 -5 -4 	3 -2 -1	0 1 2 3 4 5	6 7 8	9 10 11 12 13	14 15 16 17	18 19 20 21	22 23 <mark>24</mark> 25	
round												
rounded	Counting in Powers of 10											
negative number	Counting in 10s Counting in 100s											
partition	365	375 385	395	405	15	2841	2941		3141	3241	3341	
digit	333	The tens increase until 9 tens becomes one more										
interval	hundred a	The hundreds increase until 9 hundreds becomes one more thousand and 0 hundreds.										
sequence							Counting in 100 000					
linear sequence	Counting i			Counting in 10								
twinkl visit twinkl.com	276 109 286 109 296 109 306 109 The ten thousands increase until 9 ten thousands become one more hundred thousand and 0 ten thousands.					2 972 151 3 072 151 3 172 151 3 272 151 The hundred thousands increase until 9 hundred thousands becomes one more million and 0 hundred thousands.						

Number and Place Value **Knowledge Organiser Numbers to One Million** 926 471 900 000 20 000 Hundred Ten Thousands Hundreds Tens Ones Thousands Thousands 6000 926 471 nine hundred and twenty-six thousand, four hundred and seventy-one 400 70 1 500 000 1 000 000 0 100 00 200 000 300 000 400 000 600 000 700 000 800 000 900 000 **Roman Numerals** Rounding Rounding to the nearest 10 II = 2III = 3I = 1V = 5 IV = 4VI = 6VII = 7VIII = 823 25 26 27 28 29 30 20 21 22 24 IX = 9X = 10XI = 11XX = 20 XXX = 30round down round up L = 50 XL = 40LX = 60LXX = 70LXXX = 80Rounding to the nearest 1000 XC = 90C = 100 CL = 150 CC = 200CCC = 3002499 2500 ▶3000 2000 DCCC = 800 CD = 400D = 500DC = 600DCC = 700 round down round up CM = 900M = 1000 MD = 1500MM = 2000MC = 1100Rounding to the nearest 100 000 -249 999 | 250 000 twinkl CCXLVIII = 248 200 000 -▶ 300 000 DCCLXXXIV = 784 MMXIX = 2019round down round up visit twinkl.com



Addition and Subtraction

Knowledge Organiser

Estimate and Approximate

Rounding to Estimate

Round to ten:

Rounding is not as accurate when both numbers are rounded up. A better estimate comes from "rounding" one down and one up.

Estimating on a Number Line



The arrow is about $\frac{3}{4}$ of the way across the line so it is 40 000.



Inverse Operations

Use the inverse to check:

53 476 32 732 20 744

To check 53 476 - 32 732 = 20 744 use 32 732 + 20 744 = 53 476

Start with a number, subtract 409 and double. I end with 6264. To find the starting number use the inverse: halve, then add 409. Half of 6264 = 3132. 3132 + 409 = 3541. The starting number was 3541.

Multistep Problems

Using a Bar Model

The sum of two numbers is 25 567.

The difference is 1875.



Subtract 1875 from 25 567 = 23 692. Halve 23 692 to find smaller number = 11 846. Add 1875 to find larger number = 13 721.

	£20	
£3.75	£8.49	?
£	12.24	£7.76

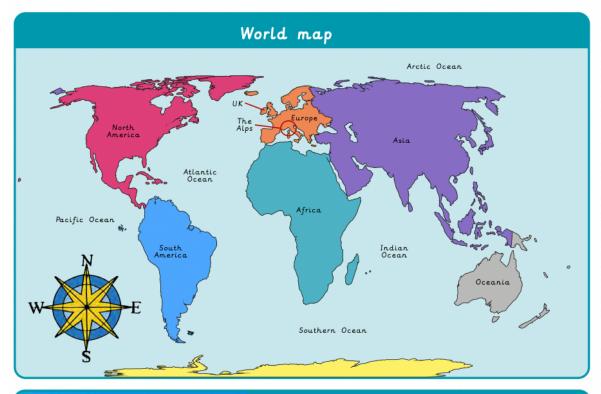
£20 is used to buy 2 books costing £3.75 and £8.49.

£7.76 How much change is given?

£3.75 + £8.49 = £12.24 £20.00 - £12.24 = £7.76

What is life like in the Alps?







Mont Blanc is the highest mountain in the Alps.



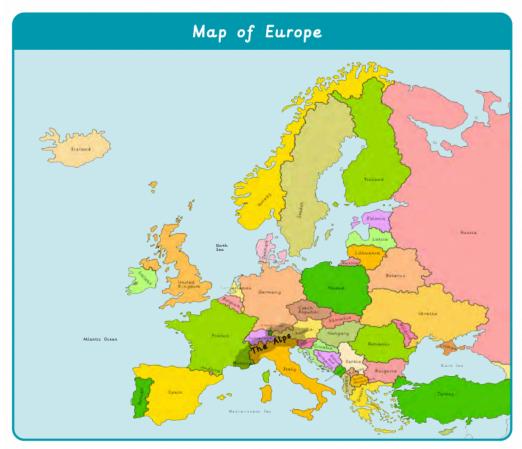
Climate

Most of the Alps have a mountain climate. It is much colder than the surrounding climate due to the height of the mountains. Lower regions of the Alps have a temperate climate.



What is life like in the Alps?





leisure	The use of free time for enjoyment.
tourist	A person who travels to a place for pleasure.
tourism	Travel for pleasure in which people visit places of interest.



