#### <u>English</u>

This half term, our focus books are 'Holes' by Louis Sachar and '50 Adventures in the 50 States' by Kate Siber.

We will be writing persuasive leaflets and letters.

# <u>Year 5</u> Spring 1 Newsletter

### <u>RE</u>

We will be exploring the following questions:

- What would Jesus do?
- How do Christians apply Jesus' teachings to life in the 21<sup>st</sup> century?

#### <u>Maths</u>

This half term, our maths topics are:

- Multiplication and Division
- Fractions
- Decimals and Percentages

### Geography

The children will focus on learning about deserts. We will learn about what a desert's climate is like, the physical features of a desert and what life is like for people who live there.

#### <u>PSHE</u>

Music

In PSHE this term, we will be focusing on anti-bullying.

#### **Diary Dates**

Robinwood instalment: 25.01.24 Music day: 08.02.24

This half term, the children will be taught piano by Miss Halton. KS2 singing assemblies will take place every other week, and children are welcome to attend choir on Wednesday lunchtimes.

#### <u>Science</u>

Our focus this half term is materials. We will be learning about George Washington Carver.

### <u>Art</u>

This term the children will be learning about Alberto Giacometti and making sculptures of figures in his unique style.

### <u>PE</u>

Our focus sports this term are hockey and dance. Please ensure your child is wearing their PE kit on Wednesdays and Fridays.

# **Autumn 1 Homework Mat**

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

#### English Task

Write a persuasive leaflet advertising Manchester. What could people see/eat/do when they visit? Add pictures and make it as engaging as possible!

#### <u>Maths Task</u>

Practise your times tables by creating a fun game and playing it with friends/family. Focus on any you know you struggle with remembering. Feel free to bring your game into school!

#### Science Task

Ask your parents if there are any materials/objects in the house that you can test and categorise. You could test their absorbency, buoyancy, transparency, strength etc. Video your results and upload to Dojo!

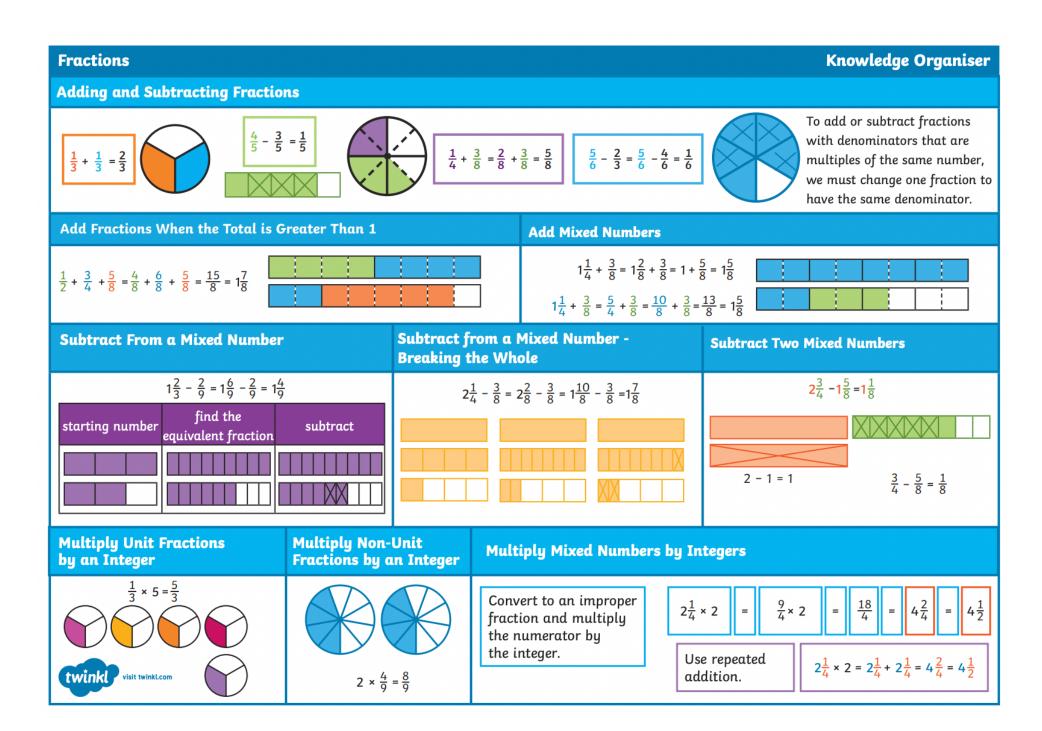
#### Geography Task

Research a desert and make an informative poster or presentation to teach the rest of the class about it. Upload a video to ClassDojo of you explaining so we can learn about it too!

#### <u>Art Task</u>

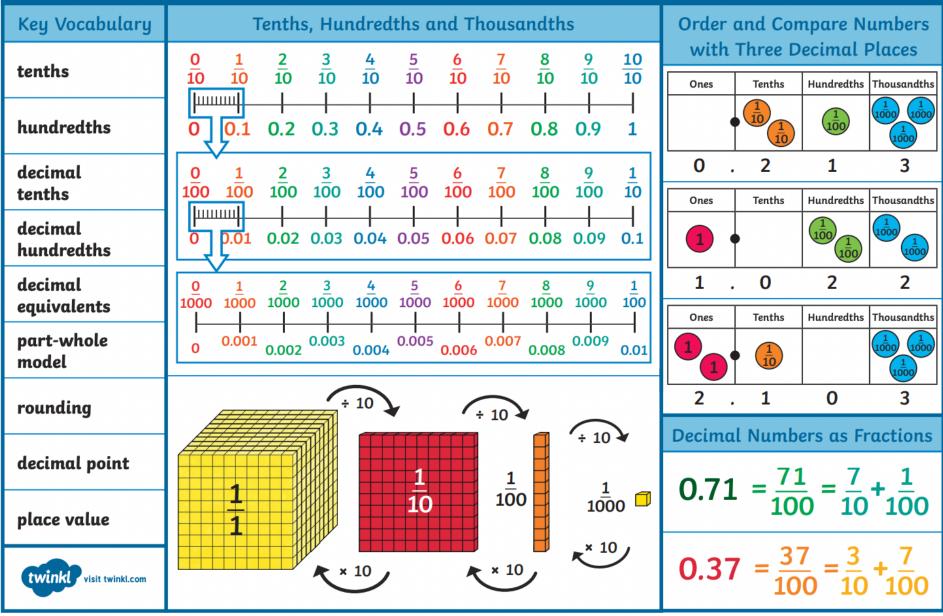
Make a sculpture in the style of Giacometti (very tall, elongated limbs, no defining features) using a material of your choice. This does not need to be of a person, it could be an animal-anything! Bring it in once finished ⓒ

Iultiplication and Division hort Multiplication				Knowledge Organi									
2543 × 7 = 17 801							×	67	=	17	03	38:	1
2       5       4       3         ×       .       .       7         1       7       8       0       1         1       3       3       2	Remember to move any regrouped digits into the next column. After the next multiplication, add the regrouped number to the answer.		1 1 1	× 1 1 5 3 7 1	1     7     8       1     7     8       3     3       5     2     5       3     2     1       7     0     3       1     1	8 3 5 1 <b>3</b>	4 6 0 2 8 8 8	3 7 1 0 1	Before multiplying by the number in the tens column, remember to use zero as a placeholder because the 6 in 67 is 6 tens (60).				
3       8         4       1       15       2         5       2       2       7       28						Division $136 \div 4 = 34$ <b>3</b> 4							
15 ÷ 4 = 3 remainder 328 ÷ 5 = 5 remainder 3Remember to regroup any remainders and move them into the next column.If your calculation has a remain remember to record it in the arr using the letter <b>r</b> .									4	1 3 1 2 1	2	6 0 → 30 × 4 6	
twinkl visit twinkl.com										-	1	6 0	<b>→ 4</b> × 4



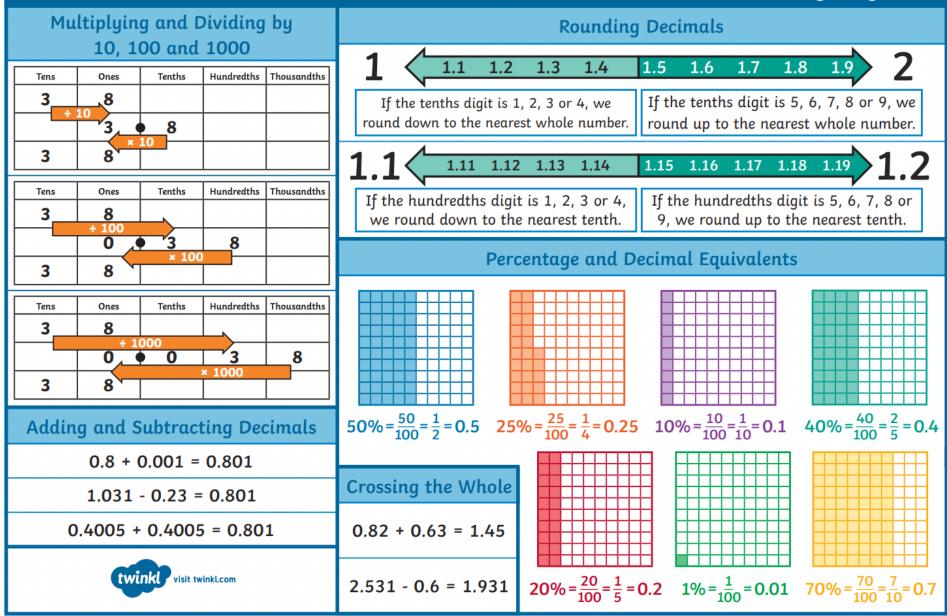
### Decimals

### Knowledge Organiser



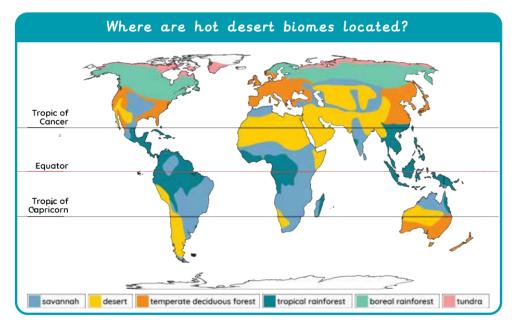
### Decimals

#### Knowledge Organiser





### Would you like to live in the desert?





A hot desert biome is hot, dry and arid, although temperatures can drop at night and occasional heavy downpours can occur.

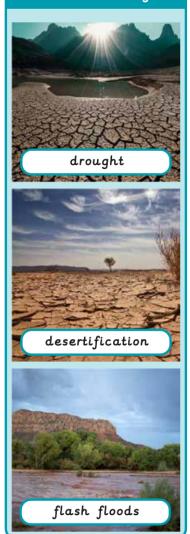
#### How do people use the Mojave Desert?

- Protecting areas of natural beauty in national parks.
- Recreational purposes like hiking or quad biking.
- Ranching and farming.
- Military bases and training.
- Mining precious resources.
- Generating renewable energy.
- Living in settlements.





#### Threats and dangers:





### Would you like to live in the desert?

arid	Too little rain to support lots of vegetation.			
barren	Land that cannot grow vegetation.			
biome	An area of the world with a similar climate and landscape, where similar plants and animals live.			
climate	Long-term weather conditions in a specific region.			
desert	Any stretch of land with little to no rainfall and extremely sparse vegetation and wildlife.			
mining	Digging underground for precious metals and stones.			
rainfall	fall The amount of rain falling in a place over a particular time.			
ranching	<b>anching</b> Keeping animals on a large farm, particularly in the Americas.			
renewable energy	gy Energy generated from a continuous source, such as wind or water.			

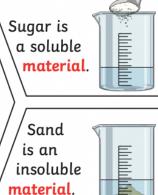
## Physical features in the Mojave Desert:



Key Vocabula	ry	Key Knowledge			
materials	The substance that something is made out of, e.g. wood, plastic, metal.	Different <b>materials</b> are used for particular jobs based on their properties: electrical <b>conductivity</b> , flexibility, hardness, <b>insulators</b> , magnetism, solubility, thermal <b>conductivity</b> , <b>transparency</b> .			
solids	One of the three states of matter. Solid particles are very close together, meaning solids, such as wood and glass, hold their shape.	For example, glass is used for windows			
liquids	This state of matter can flow and take the shape of the container because the particles are more loosely packed than solids and can move around each other. Examples of liquids include water and milk.	because it is hard and transparent. Oven gloves are made from a thermal insulator to keep the heat from burning your hand.			
gases	One of the three states of matter. Gas particles are further apart than solid or liquid particles and they are free to move around. A gas fills its container, taking both the shape and the volume of the container. Examples of gases are oxygen and helium.	solid particles particles			
melting	The process of heating a solid until it changes into a liquid.	solid Solid The solid melts.			
freezing	When a liquid cools and turns into a solid.	The liquid freezes.			
evaporating	When a <mark>liquid</mark> turns into a <mark>gas</mark> or vapour.	The gas condenses.			
condensing	When a gas, such as water vapour, cools and turns into a liquid.	liquid The liquid evaporates.			

Key Vocabulary	J	Key Knowledge						
conductor	A <b>conductor</b> is a material that heat or electricity can easily travel	Reversible changes, such as mixing and dissolving <b>solids</b> and <b>liquids</b> together, can be reversed by:						
	through. Most metals are both thermal conductors (they conduct heat) and electrical conductors (they conduct electricity).	Sieving	Filtering	Evaporating				
insulator	An <b>insulator</b> is a material that does not let heat or electricity travel through them. Wood and plastic are both thermal and electrical <b>insulators</b> .							
transparency	A <b>transparent</b> object lets light through so the object can be looked through, for example glass or some plastics.	Smaller materials are able to fall through the holes in the sieve, separating them from larger particles.	The <b>solid</b> particles will get caught in the filter paper but the <b>liquid</b> will be able to get through.	The <b>liquid</b> changes into a gas, leaving the solid particles behind.				
Dissolving A solution is r solid particles with liquid	are mixed \\a soluble		Irreversible change often result in a new product being made from the old					

with liquid particles. Materials that will dissolve are known as soluble. Materials that won't dissolve are known as insoluble. A suspension is when the particles don't dissolve.





often result in new product bein made from the old **materials** (reactants). For example, burning wood produces ash. Mixing vinegar and milk produces casein plastic.



To look at all the planning recourses linked to the Dreparties and