

Year 5

Home Learning

Date

Monday 20th April


Maths

Follow this sheet to revisit a topic from year 5 maths. Complete as much as you feel confident doing.

Warm up

Flashback 4 Year 5 | Week 3 | Day 1

- Work out $175 \text{ m} \times 18$
- Calculate 17×8
- How do you know that 73 does not divide by 3 exactly?
- Add together 27 and 1,094



White Rose Maths

L.O: Roman Numerals.

Romans used a different number system. They replaced numbers with letters.

These letters would be laid out to represent a number.

No more than 3 of the same letters could be placed in a row.

Some numbers are made by representing numbers before, for example; 90 = 10 before 100 (XC).

3

Dora and Amir are writing 520 in Roman numerals.



DXX

Amir

VCXX



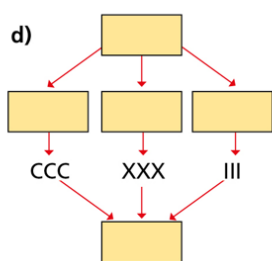
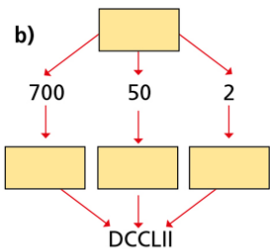
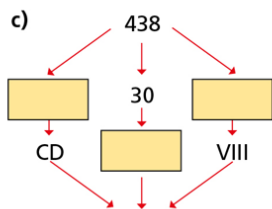
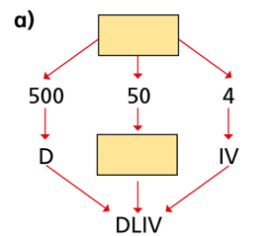
Dora

a) Who is correct? _____


b) What mistake has the other person made?

1

Write the numerals and Roman numerals to complete the diagrams.



Roman Numerals			
1 = I	10 = X	100 = C	1000 = M
2 = II	20 = XX	200 = CC	2000 = MM
3 = III	30 = XXX	300 = CCC	3000 = MMM
4 = IV	40 = XL	400 = CD	
5 = V	50 = L	500 = D	
6 = VI	60 = LX	600 = DC	
7 = VII	70 = LXX	700 = DCC	
8 = VIII	80 = LXXX	800 = DCCC	
9 = IX	90 = XC	900 = CM	



Complete the tables.

10		30	40	50	60		80	90	100
X	XX		XL	L		LXX			C

100	200	300	400		600	700		900	1,000
		CCC		D	DC		DCCC		M

4

Complete the sequences.

a) V, X, , XX, , XXX, ,

b) C, CL, , CCL, CCC, , ,

c) X, XX, XXX, , , LX, ,

d) III, , IX, , XV, XVIII, ,

2

English

To research William Shakespeare.

William Shakespeare is a famous 16th and 17th century playwright. He is considered worldwide to be one of the most talented writers in history.

Before school closed, we started an English unit on Macbeth; one of Shakespeare's famous plays. It is a fantastic play and you all loved the little bit that we did at school! So we are going to continue the unit for your home learning.

Today you are going to research William Shakespeare and find out as much as you can about him. You could use the following:

- books
- Google/Kidrex
- Youtube
- ask people at home what they know

Your task tomorrow is going to be creating a fact file, so today just read the information you find **and make some notes.**



Other: Science - Space

Mars

What is Mars like?

Mars is the 4th planet from the sun. It is a terrestrial planet which means that it has a hard rocky surface that you could walk on. Mars' surface is dry and much of it is covered with a reddish dust and rocks. When viewed from Earth, Mars appears to be the color red.

Mars has some of the most impressive natural geographical structures in the Solar System. Olympus Mons, a now dormant volcano, is the highest mountain in the Solar System. It is 3 times as high as Mount Everest and towers 16 miles above the Martian surface. Another major geographical structure of Mars is the great canyon, Valles Marineris. This canyon is the biggest in the Solar System. It is 4 miles deep in places and stretches for thousands of miles.

Mars Facts

- 1) Named after the **Roman God of war**, Mars is the **fourth planet** from the sun in our [solar system](#).
- 2) Mars is also known as the '**Red Planet**' because, well, it's red! This signature colour comes from the large amount of a chemical called **iron oxide** (or 'rust' as you might know it) in its rocks and soil.
- 3) Mars is the second smallest planet in the solar system after **Mercury**. With a diameter (distance through the middle) of **6,791 kilometres**, it's roughly **half the size of Earth**.
- 4) It can get pretty cold on Mars — much **colder than our own planet**, since it's further away from the sun. At the equator, temperatures can reach **20°C**, but at its poles they can plummet to as low as **-140°C**. *Brr!*
- 5) Mars is home to the **highest mountain in our solar system** — a volcano called **Olympus Mons**. Standing a whopping **24 kilometres high**, it's about three times the height of Mount Everest!
- 6) You could **jump around three times higher on Mars** than you can on Earth. *Boing!* This is because the planet's **gravity** — the force that keeps us on the ground — is much weaker.
- 7) Do you like to look at the [moon](#) at night? Well, check this out — **Mars has two moons!** One is called **Phobos** and the other **Deimos**.
- 8) A day on Mars is **24 hours and 37 minutes** — only a little bit longer than a day on our own planet. A year on Mars, however, is almost twice as long, lasting **687 Earth days!** This is because it takes a lot longer than Earth to complete its orbit around the Sun.
- 9) Until recently, scientists believed that there was no liquid water on the surface of Mars — only rocks, soil dust and ice. But... News flash! In 2018, they found **evidence of a lake** under the planet's south polar ice cap. Exciting stuff!
- 10) Humans have not yet been to Mars, but scientists have sent spacecraft there to help them research this fascinating planet. The first spacecraft to land on Mars were the **Viking Landers**, which touched down on the surface in **1976**.

This is a task
for the whole
week.



In the future, space flight may be able to offer holidays in the solar system. Imagine you are an estate agent who is advertising holidays to other planets.

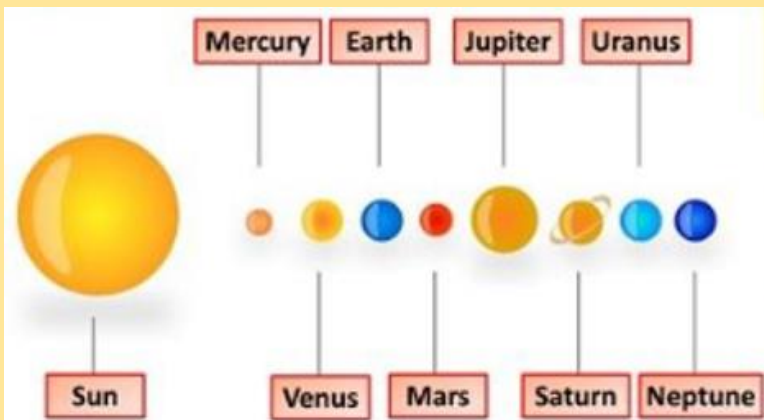
Task:

Design an information poster or leaflet about travelling to Mars. Use the information above and from secondary resources to help. Include:

- A comparison of the day and year on Earth and Mars.
- Explain which clothes and special equipment to take.
- Some descriptions of the must see features, events or places.

Use the information on the previous slide, as well as your own research using books and the internet, to complete this task.

You might have:	
<ul style="list-style-type: none"> • State the length of the day and year. • State what clothes to take, with a simple reason. • Recognise how the atmosphere is different. • Identify a 'must see' feature, event or place. 	
<ul style="list-style-type: none"> • Compare the length of the day and year to that on Earth. • Explain simply what clothes to take. • Decide on what special equipment will be needed, with a reason. • Describe a 'must see' feature, event or place. 	
<ul style="list-style-type: none"> • Compare the length of the day and year to that on Earth. • Explain what clothes to take. • Decide on what special equipment will be needed, with a scientific reason. • Describe a 'must see' feature, event or place. 	
<ul style="list-style-type: none"> • Compare the length of the day and year and the seasons to that on Earth and explain in detail, using a diagrams, why there is a difference. • Explain, with scientific reasons, what clothes to take. • Decide on what special equipment will be needed, with detailed scientific reasons. • Describe in some detail the 'must see' feature, event or place, drawing on geological or atmospheric information. 	



This is a task for the whole week.

My Very Easy Method Just Speeds Up Naming (Planets)
 Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune (Pluto)

Extras!

Mindfulness Motivating Monday


Play Just dance with someone in your house – aim to choose 2 songs each, link below.

<https://www.youtube.com/channel/UC0VIhde7N5uGDIFXXWWEbFQ>

PE	
with Joe Wicks "The Body Coach."	Follow this link: https://www.youtube.com/user/thebodycoach1
Cosmic Yoga	Follow this link: https://www.youtube.com/user/CosmicKidsYoga
Go Noodle – Active challenges	Follow this link: https://www.gonoodle.com/families/

Battleships

Home Physical Education



How to play:

- With a partner, each player places three targets (battleships) in front of them.
- Players take turns to throw an object towards their opponent's battleships.
- Each time a battleship is hit, it is removed.
- Players are not allowed to stop the object from hitting a battleship.
- The winner is the first player to hit all of their partner's battleships

Can you play fairly and keep the score?

Can you keep trying even if you miss the target?

Top Tips

Throwing Underarm

Step forwards with one foot, releasing the ball from low to high using your opposite hand

Let's Reflect

What did you learn after each throw to adapt for the next?

How did you keep focused?

Family Chores

Learn to use the washing machine and dryer.

Personal Chores

Speak to a friend – can they become a pen pal?
Could you write them a letter and post it to them?

Reading

Write to an author Who is your favourite author? Who wrote your favourite book? Write to them. Tell them why you like what they write. You can find contact details online – either their own website or try sending letters via their publishers.