

KINGDOM OF DISCOVERY (Y5) KNOWLEDGE ORGANISER

WELCOME BACK— TERM 1

Is Anyone Out There?



World Space Week
4-10th October

My Very Easy Method Just Seems No Use



A great way to remember the order

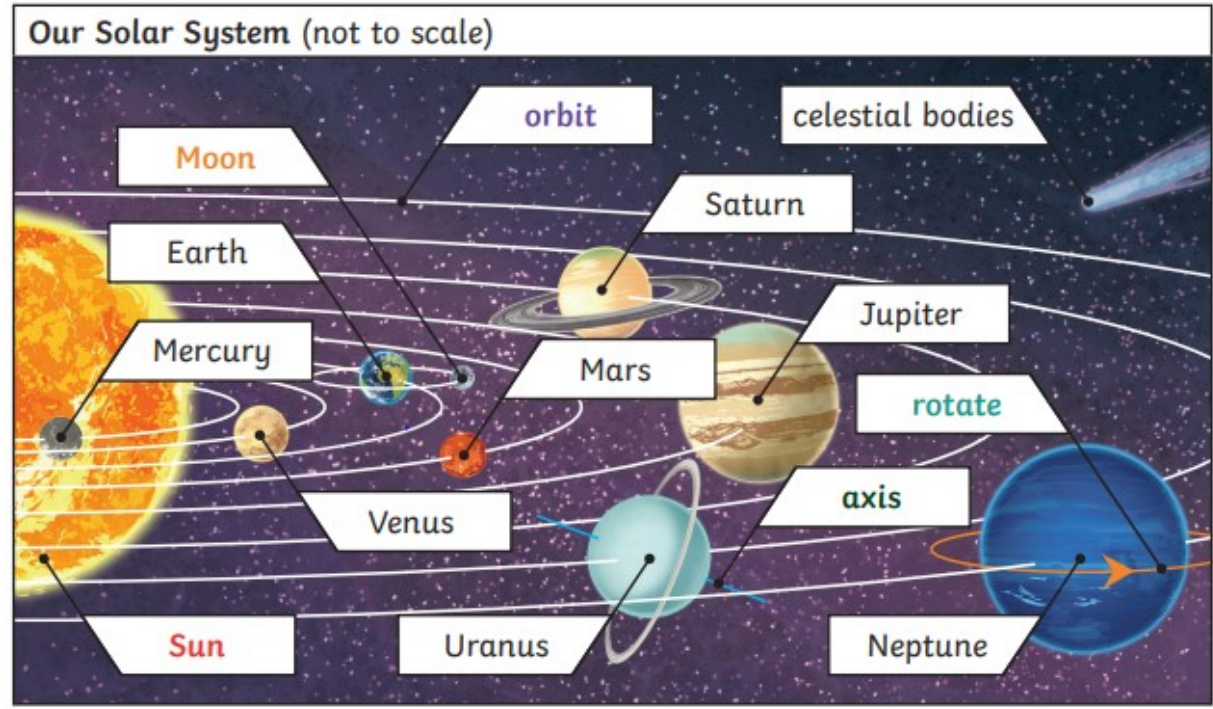
Key Vocabulary	
Sun	A huge star that Earth and the other planets in our solar system orbit around.
star	A giant ball of gas held together by its own gravity.
moon	A natural satellite which orbits Earth or other planets .
planet	A large object, round or nearly round, that orbits a star .
sphere	A round 3D shape in the shape of a ball.
spherical bodies	Astronomical objects shapes like spheres .
satellite	Any object or body in space that orbits something else, for example: the Moon is a satellite of Earth.
orbit	To move in a regular, repeating curved path around another object.
rotate	To spin. E.g. Earth rotates on its own axis .
axis	An imaginary line that a body rotates around. E.g. Earth's axis (imaginary line) runs from the North Pole to the South Pole.
geocentric model	A belief people used to have that other planets and the Sun orbited around Earth.
heliocentric model	The structure of the Solar System where the planets orbit around the Sun .
astronomer	Someone who studies or is an expert in astronomy (space science).



From Earth, the Sun looks like it moves across the sky in the daytime and appears to disappear at night. This is because the Earth is spinning towards the east.. This means that to us here on the spinning Earth, the Sun appears to rise in the east in the morning, and climb higher and higher in the sky towards midday.



Major Tim Peake became the first **British astronaut** in space for over 20 years when he blasted off for the International Space Station on 15th December 2015. He travelled in a Russian Soyuz rocket launched from Kazakhstan.



Pluto used to be considered a **planet** but was reclassified as a dwarf **planet** in 2006.

MATHS- NUMBER AND PLACE VALUE

Ordering Numbers to 10 000

Fill in the spaces below with the numbers in order from smallest to largest.

2212

2012

1201

1022

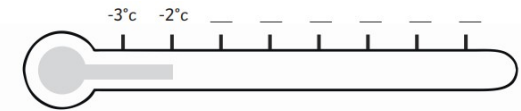
2120



Counting on and Back in Powers of 10

Complete these sequences by counting on or back in powers of 10.

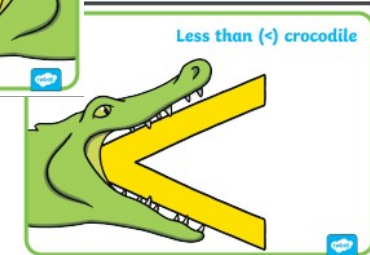
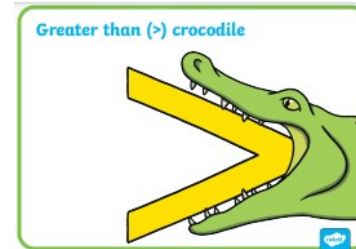
1	546	556	_____	_____	_____
2	478	_____	678	_____	_____



<p>Can I read, write, order and compare numbers to at least 1 000 000?</p>	<p>Can I determine the value of each digit to 1 000 000?</p>
<p>Can I count forwards or backwards in steps of 10 for any given number up to 1 000 000?</p>	<p>Can I count forwards or backwards in steps of 10 for any given number up to 1 000 000?</p>
<p>Can I interpret negative numbers in context and count forwards/backwards with positive and negative whole numbers?</p>	<p>Can I round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000?</p>
<p>Can I solve number problems and practical problems that involve place value strategies?</p>	<p>Can I read Roman numerals to 1000 (M) and recognise years written in Roman numerals?</p>

ROMAN NUMERALS				
I	II	III	IV	V
1	2	3	4	5
VI	VII	VIII	IX	X
6	7	8	9	10
XI	XII	XIII	XIV	XV
11	12	13	14	15
XVI	XVII	XVIII	XIX	XX
16	17	18	19	20
XXV	XXX	XXXV	XL	XLV
25	30	35	40	45
L	LX	LXX	LXXX	XC
50	60	70	80	90
C	CXXV	CCL	D	M
100	125	250	500	1000

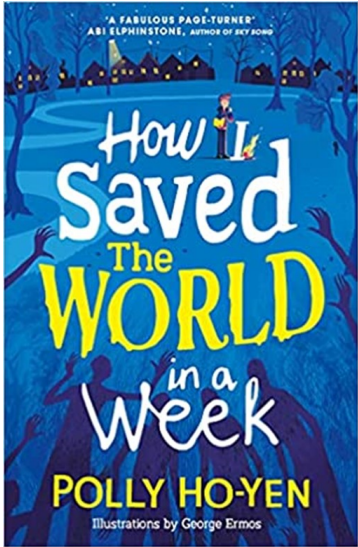
a. 43 930



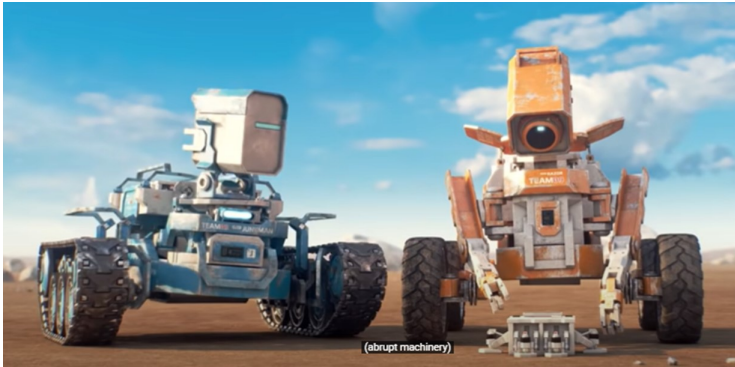
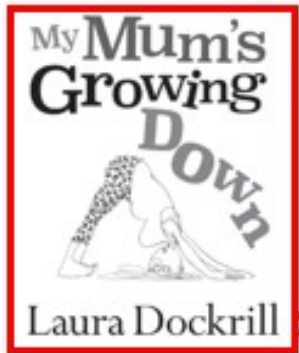
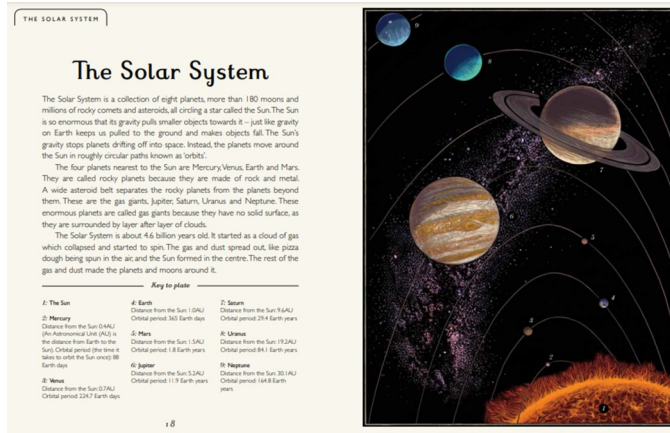
Write the following words in numbers:

23 443	Twenty-three thousand, four hundred and forty-three
51 623	

WHOLE CLASS READING



Fiction, non-fiction, poetry, picture and film



ENGLISH

Features of a Non-Chronological Report

A topic title which covers the whole subject

A brief introduction paragraph which gives a who/what/where overview

Information grouped into paragraphs, which may include subheadings

Some information contained in fact boxes and bullet point lists

Individual points supported by extra detail, examples or evidence

Present tense verbs

Third person pronouns and a formal tone

Images with captions

Diagrams and labels

Technical vocabulary in bold with a glossary



We'll be researching the solar system and creating our own reports before publishing them for display.

P.E (Physical Education)



R.E (Religious Education)



P.S.H.E

(Personal, Social and Health Education)



Throw kindness around like confetti.

