

Year 6 Knowledge Map – Lent 1

Maths

Prime Numbers

A natural number greater than 1 with no divisors other than 1 and itself.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Remember these facts about Prime Numbers!
There are no even numbers except 2.

Fractions, Decimals and Percentages

	= 1	= 1	= 100%
	= 1/2	= 0.5	= 50%
	= 1/3	= 0.33	= 33.3%
	= 1/4	= 0.25	= 25%
	= 1/5	= 0.2	= 20%
	= 1/8	= 0.125	= 12.5%
	= 1/10	= 0.1	= 10%
	= 1/100	= 0.01	= 1%

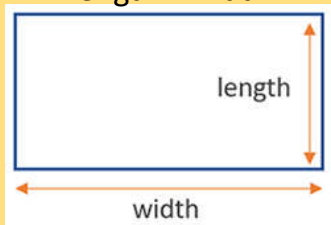
Multiples
The numbers you say when you skip-count by a given number
multiples of 12:
12, 24, 36, 48, 60, 72, 84, 96, 108, etc.
There will always be *more multiples*, because numbers are infinite!

Factors
The numbers that are multiplied to get a given number
factors of 12:
(1, 2, 3, 4, 6, 12)
There will always be *fewer factors*, because there are a set number of ways to multiply to get a given number.

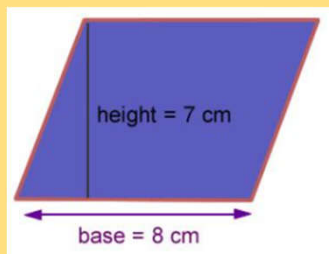
SQUARE NUMBERS	1	4	9	16	25	36	49	64	81	100
CUBE NUMBERS	1	8	27	64	125	216	343	512	729	1000

Calculating the area of shapes

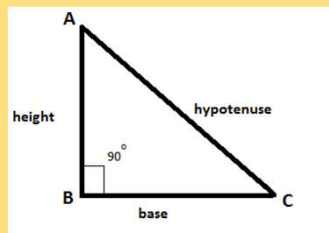
Area of a rectangle = length x width



Area of a parallelogram = base x height

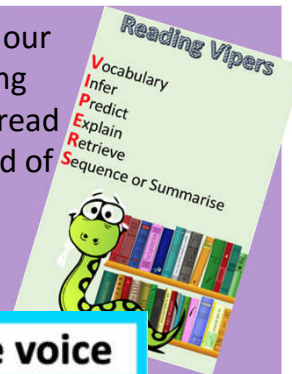


Area of a triangle = (base x height) ÷ 2



English

Don't forget about our bookworm reading challenge. Can you read 40 books by the end of year 6?



Father God,
Come be with us today.
Fill our hearts with joy.
Fill our minds with learning.
Fill our classrooms with peace.
Fill our lessons with fun.
Fill our friendships with kindness.
Fill our school with love.
Amen.



Active voice

Tells us what a **person or thing does**.
The subject performs the action (verb) on the object.

Subject + verb + object

Example:

- Anna painted the house.
- The teacher always answers the students' questions.
- Ali posted the video online.

Passive voice

Tells us what is **done to someone or something**.

The subject is being acted upon.

Object + verb + subject

Example:

- The house was painted by Anna.
- The students' questions are answered by the teacher.
- The video was posted online by Ali.

How can we make our writing more interesting?

- ✓ Use a variety of sentence lengths.
- ✓ Include a range of clauses
- ✓ Use outstanding vocabulary
- ✓ Vary your sentence openers
- ✓ Use imagery, metaphor, personification and similes



Learn these spellings and try to include them in your written work

amateur	controversy	disastrous
especially	explanation	government
immediately	lightning	nuisance
physical	rhythm	shoulder
stomach	system	temperature

Year 6 Knowledge Map – Lent 1

Science

Animals including humans

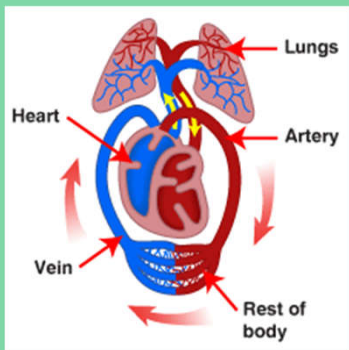
Your heart will beat about 115,000 times each day. Your heart pumps about 2,000 gallons of blood every day.

The entire trip around your body only takes blood about 20 seconds in total. Blood is what is used to transport oxygen, waste, nutrients, and more throughout the body.

The circulatory system includes the heart, blood vessels and blood, and is vital for fighting diseases and maintaining proper temperature.

Because your heart is crucial to your survival, it's important to keep it healthy with a well-balanced diet and exercise, and avoid things that can damage it, like smoking.

Your heart affects every part of your body. That also means that diet, lifestyle, and your emotional well-being can affect your heart.



Key Vocabulary

Circulatory system	A system in the body made up of the heart, blood vessels and blood.
Blood vessels	Any of the tubes in the body through which the blood moves. Arteries, veins and capillaries are types of blood vessel.
Pulse	The regular beating of the arteries that is caused by the beating of the heart.
Oxygen	A gas with no colour or smell, it makes up about 20% of the Earth's atmosphere.
Carbon dioxide	A gas with no colour or smells that is made up of carbon and oxygen.
Nutrients	Something in food that helps people, animals and plants live and grow.

History

Maya Civilisation 2000BC – 1600AD



The Maya civilisation were located in south-eastern Mexico and Northern Central America.

They were very intelligent groups of people who used their vast knowledge of astronomy and mathematics to devise calendars and periods of time.

Christopher Columbus travelled and 'discovered' many areas within America for the first time in 1492. The message of this rich land spread quickly within Europe.

Many of the Spanish thought Maya were infidels with no morals or values. They thought they were above them in the social hierarchy.

The Maya civilisation fought valiantly for nearly 100 years before the gradual migration from Europe saw the end of the Maya civilisation.

Key Vocabulary

Infidel	A person who has no religion or whose religion is not that of the majority.
Social Hierarchy	The order in which people place themselves in relation to others.
Conquer	To take over a piece of land and claim it as your own
Chichén Itzá	Chichén Itzá is a complex of Mayan ruins in Mexico. It is a massive step pyramid.