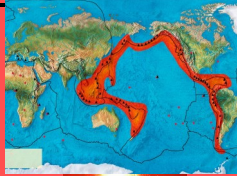




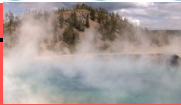



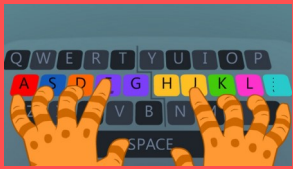


Key vocab	Definition	Supporting image
Ring of Fire	A path along the Pacific Ocean characterized by active volcanoes and frequent earthquakes	
Erupt	To eject lava, ash and gas from a volcano.	
Tectonic plates	a massive, irregularly shaped slab of solid rock	 
Solid, liquid, gas	The arrangement of particles which make up a substance.	
Evaporation	The process of turning from liquid to gas.	
Condensation	The process of gas turning to liquid.	
Excel	A programme containing spreadsheets used to organise and use information.	
Powerpoint	A programme containing presentation slides to share information.	
Touch typing	Skill of typing using all one's fingers and without looking at the keys	

Year 4 Maths Autumn 2

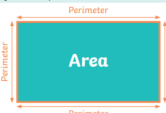
Area and Perimeter

Keywords

- area
- perimeter
- centimetres
- metres
- squares
- distance
- millimetres
- kilometres
- length
- width
- rectilinear
- right angle

Area and Perimeter

Area is the amount of space inside a 2D shape.
Perimeter is the total distance around the outside of a 2D shape.



Measuring Area

We can count squares to find the area of a rectilinear shape.


Area = 1 square

Area = 6 squares

Area = 4 squares


Units of Measure for Perimeter

1 kilometre = 1000 metres
1 metre = 100 centimetres
1 centimetre = 10 millimetres



Rectilinear Figures

A rectilinear figure is a 2D shape whose sides all meet at right angles (90°).



Measure: Length and perimeter
Number: Multiplication and Division

Multiplication and Division

Key Vocabulary

- multiply
- groups of
- lots of
- times
- divide
- share
- remainder
- factor
- multiple
- product

Multiplication and Division Facts

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Use Place Value to Multiply and Divide Mentally

×

÷

×

÷

Factor pairs and Commutativity

The factors of 20 are 1, 2, 4, 5, 10 and 20.
The factor pairs are:

1 × 20 = 20
2 × 10 = 20
4 × 5 = 20

Multiply Using Formal Written Methods

Th H T O

5 4 3

×

1 2 (4 × 3)

1 6 0 (4 × 40)

2 0 0 0 (4 × 500)

2 1 7 2

Year 4 Autumn 2

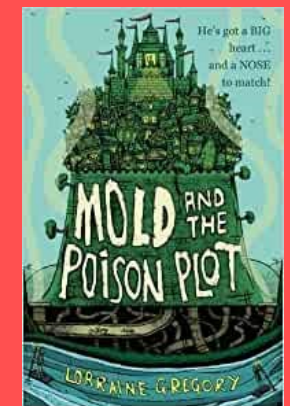
Knowledge Organiser

Lava Palaver

Our class novel this half term is

Mold and the Poison Plot

by Lorraine Gregory



Art and Design Technology

