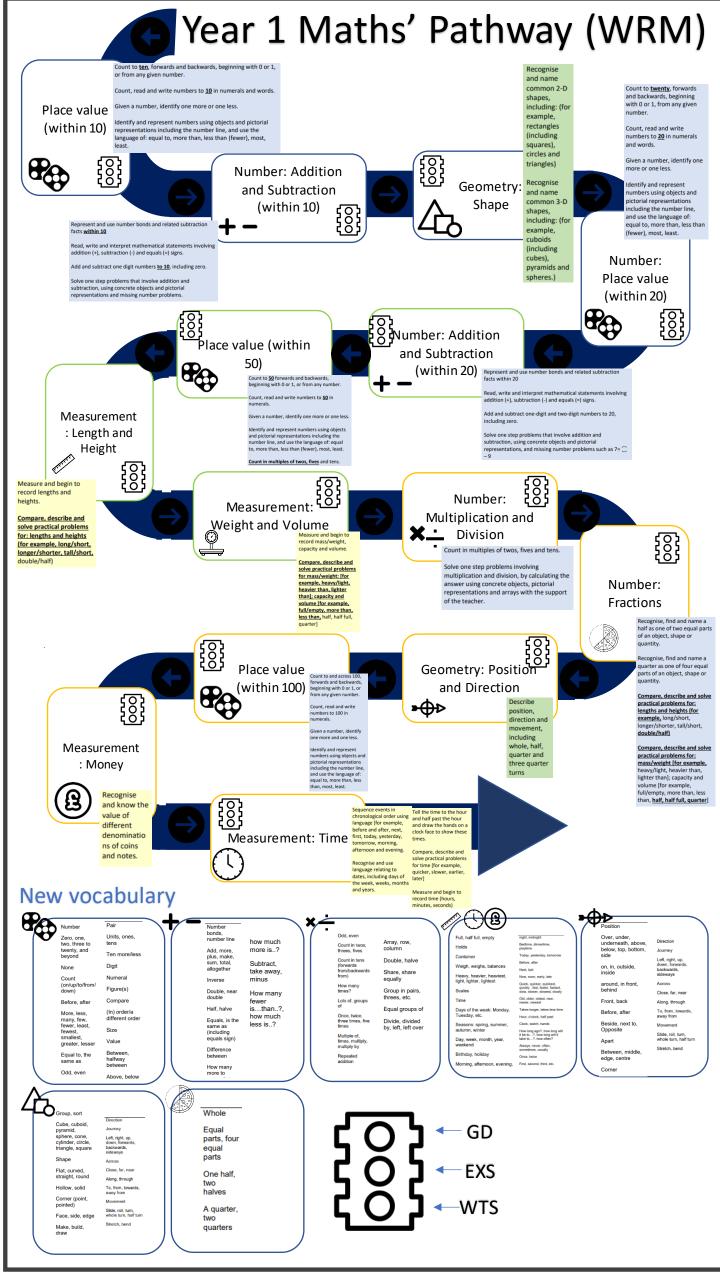
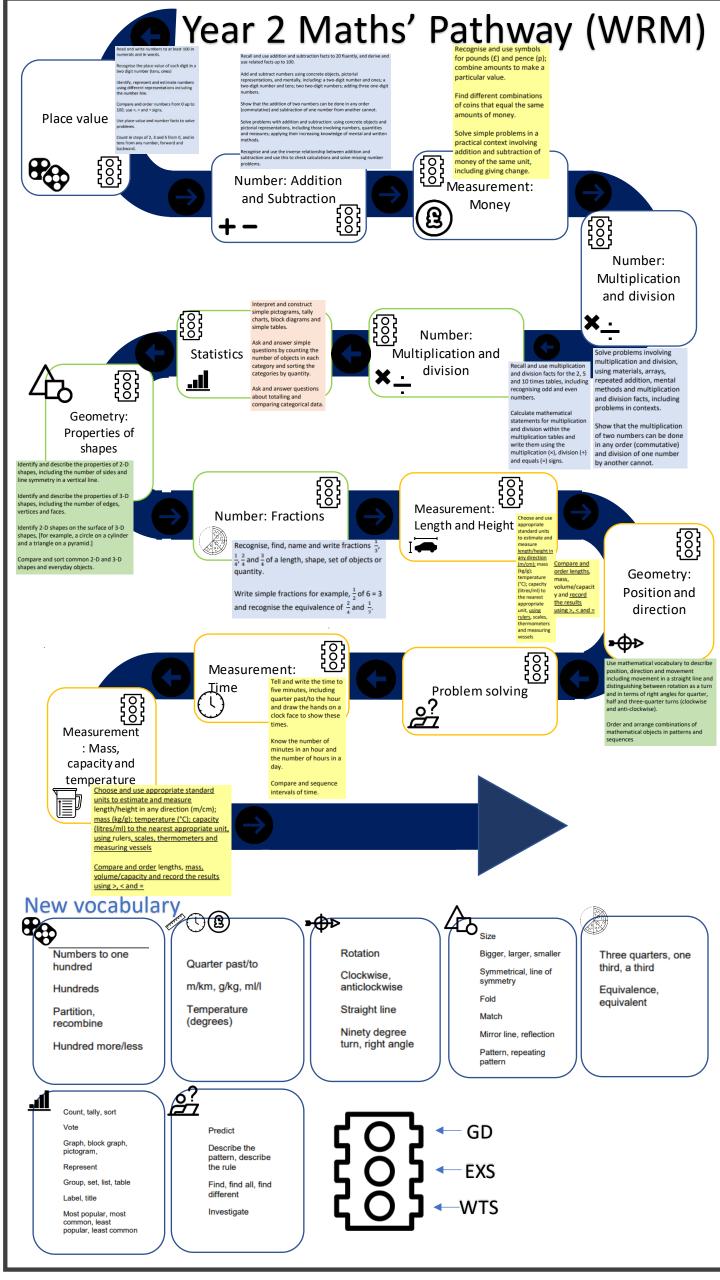
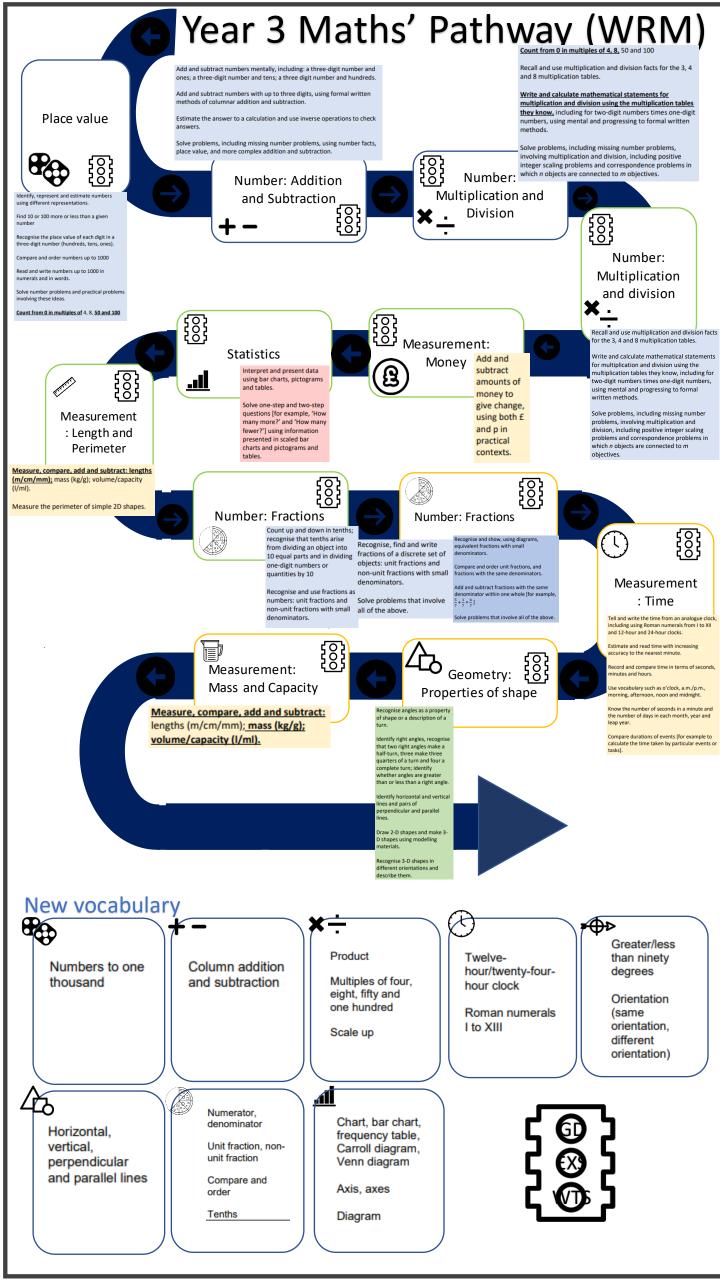


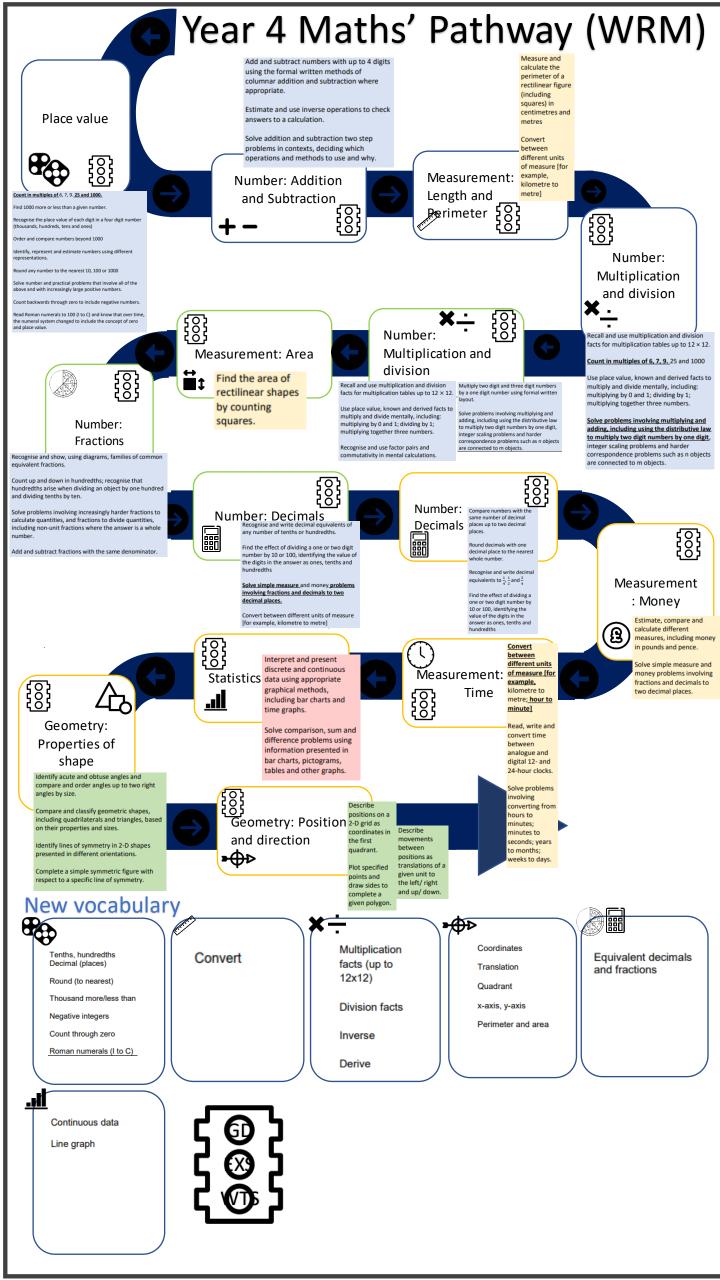
New vocabulary

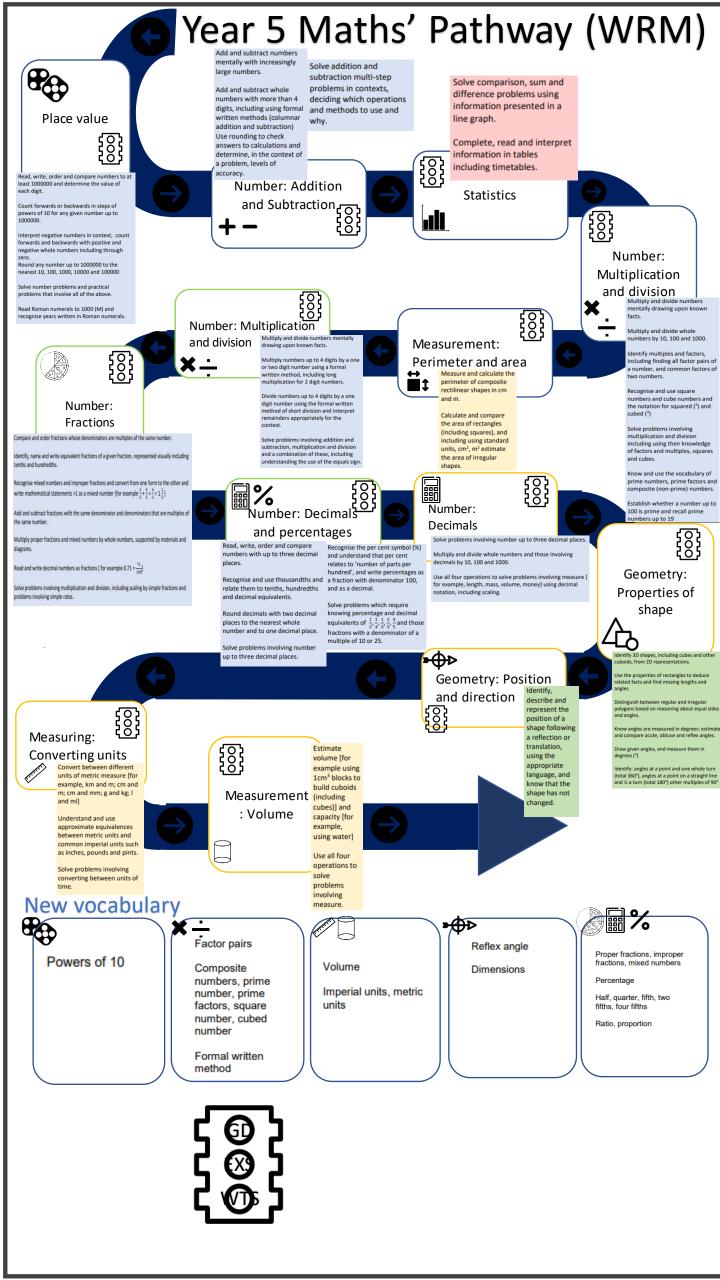
Number and Place	Addition and	Multiplication and	Measure	Geometry	Geometry	Fractions	General/problem
Value	Subtraction	Division		(position and direction)	(Properties of shape)		solving.
Number	Number line	Odd, even	Full, half, empty	Over, under,	Sort	Whole	Listen, join in
				underneath,			
One, two, three to	Add, more, plus,	Double, halve	Holds	above, below, top,	Cube, cuboid,	Equal	Say, think, imagine,
twenty and beyond.	make, sum,	Ob and a base of the	Contalons	bottom, side	pyramid,	On a balf	remember
None	total, altogether	Share, share equally	Container	On, in, outside,	sphere, cone, cylinder, circle,	One half	Start from
None	Double	Group in pairs	Weigh, weighs,	inside	triangle, square		Start IIOIII
Count	Double	Group in pairs	balance	Illaide	thangle, square		Look at, point to
on/up/to/from/down	Half, halve	Equal groups of		In front, behind	Shape		20011 21, point to
			Heavy, heavier,	, , , , , , , , , , , , , , , , , , , ,			Put
Before, after	Equals, is the	Divide	heaviest, light,	Front, back	Flat, curved,		
	same (including		lighter, lightest		straight, round		What comes next?
More, less, many,	equals sign)		Oceles	Before, after	Solid		Fig. 1
few, fewer, fewest, smaller, smallest	How many more		Scales	Beside, next to	Corner		Find, use, make, build
Sitialiet, Sitialiest	to make? How		Time	Deside, Hext to	Face, side		build
Equal to, the same	many more is			Middle	1 400, 0140		Tell me, describe,
as	then,,,? How		Days of the week:		Make, build,		pick out, talk about,
	much more		Monday, Tuesday	Up, down,	draw		explain, show me
Odd, even	is?		etc.	forwards,			
DI-II	0.44		0	backwards.			Read, write
Digit	Subtract, take		Seasons: Spring,	Sideways			Tiels draw a line
Numeral	away, minus.		Summer, Autumn, Winter	Close, far			Tick, draw a line, ring
Numeral			VVIIILEI	Close, Iai			illig
Compare			Days, week, month,	Through			Cost
,			year, weekend				
Order				Towards, away			Count, work out
			Birthday, holiday	from			
Size			Maming oftenson	Cide rell turn			Number line,
Value			Morning, afternoon, evening, night	Side, roll, turn			number track, number square,
Between, halfway			evering, riight				number square,
between			Bedtime,				names salus

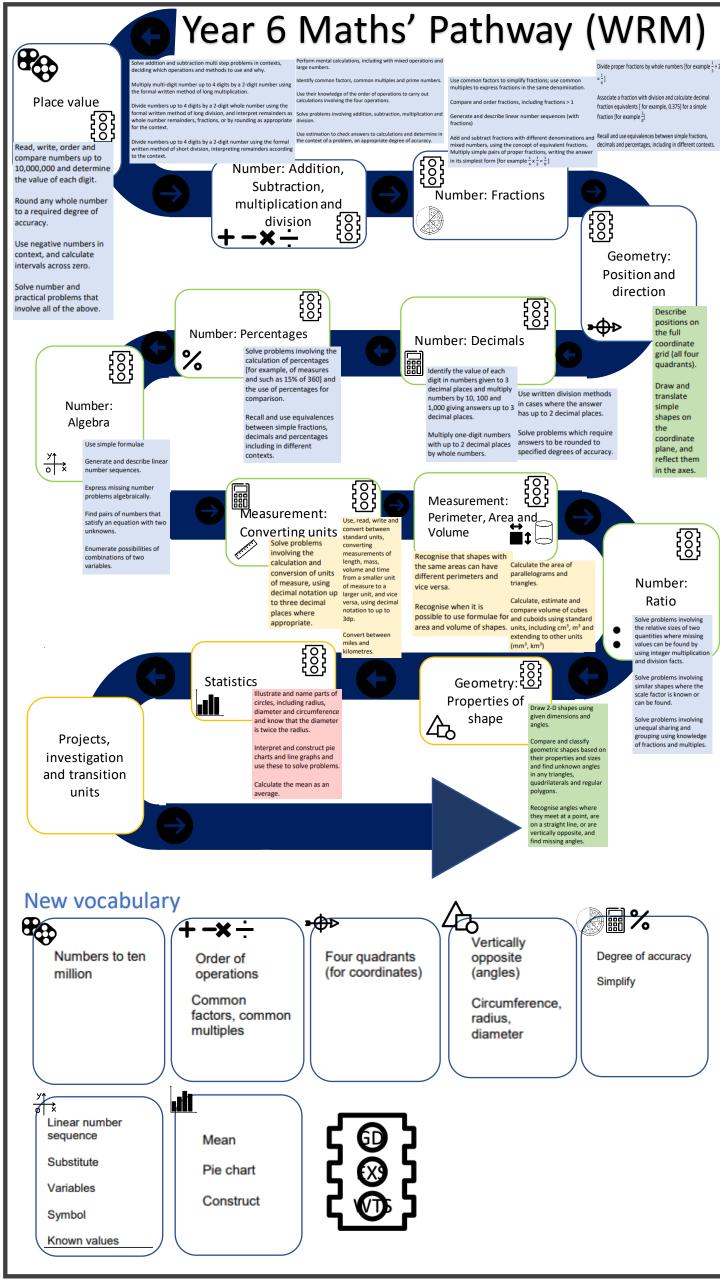


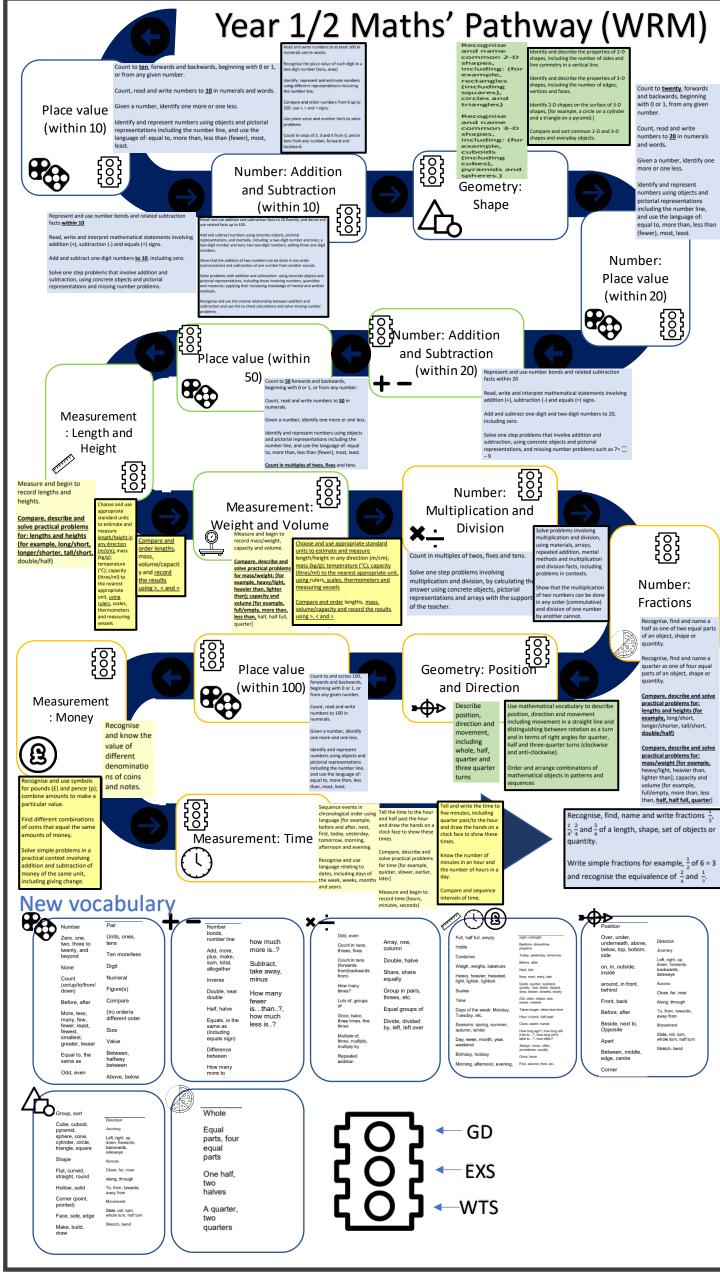


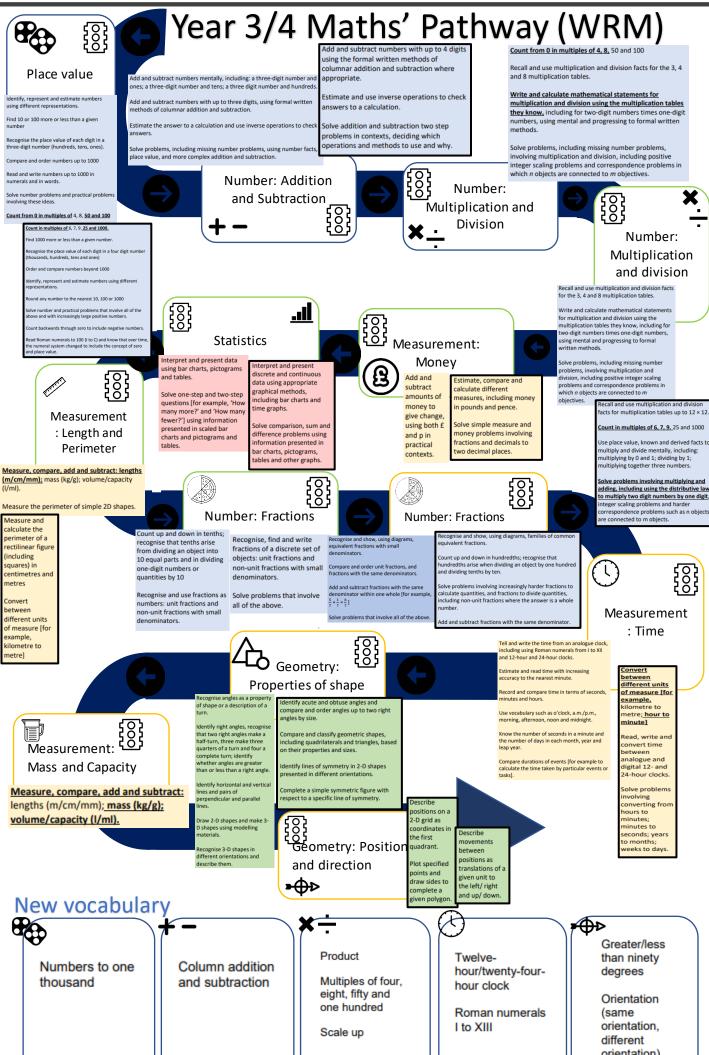












orientation)



Horizontal, vertical, perpendicular and parallel lines Numerator. denominator

Unit fraction, nonunit fraction

Compare and order

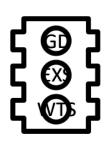
Tenths

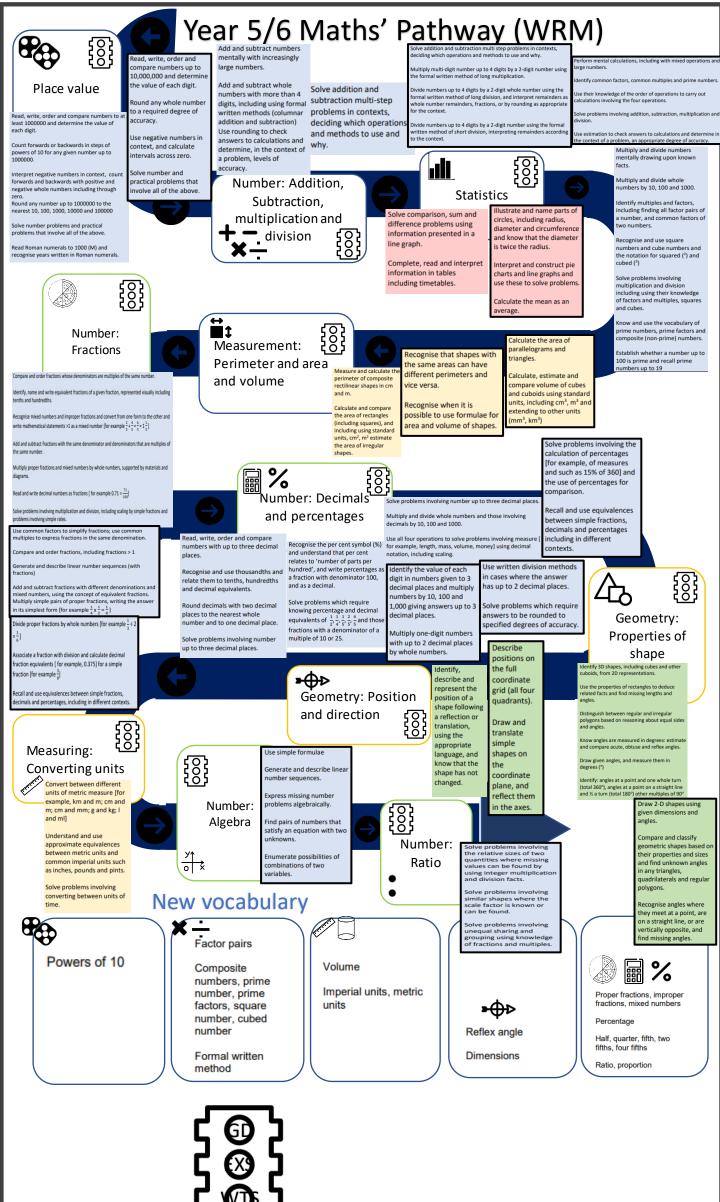
Chart, bar chart, frequency table, Carroll diagram, Venn diagram

Axis, axes

A

Diagram







Read, write, order and compare numbers up to 10,000,000 and determine Year 1 (0)

the value of each digit.

Round any whole number to a required degree of

Use negative numbers in context, and calculate intervals across zero.

Solve number and practical problems that

Count, read and write numbers to <u>20</u> in numerals

Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.

Place Value Pathway (WRM)



Year 2



involve all of the above.



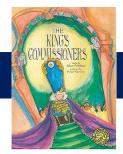


P



Year 3

Count from 0 in multiples of 4, 8, 50 and 100

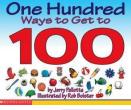


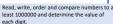


Year 4

Count in multiples of 6, 7, 9. 25 and 1000.

Recognise the place value of each digit in a four digit n (thousands, hundreds, tens and ones)







Year 5

Year 6



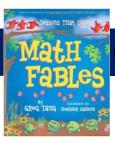
MUCHIS A MILLION?

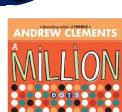
Read, write, order and compare numbers up to 10,000,000 and determine

Round any whole number to a required degree of accuracy.

Use negative numbers in context, and calculate intervals across zero.

Solve number and practical problems that involve all of the above.





Powers of 10













Figure(s)

Compare Before, after More, less, many, few, fewer, least, fewest, smallest, greater, lesser Size

Value Odd, even

Numbers to one hundred

Hundreds

Partition, recombine

Hundred more/less

Numbers to one thousand

Tenths, hundredths Decimal (places)

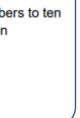
Round (to nearest) Thousand more/less than

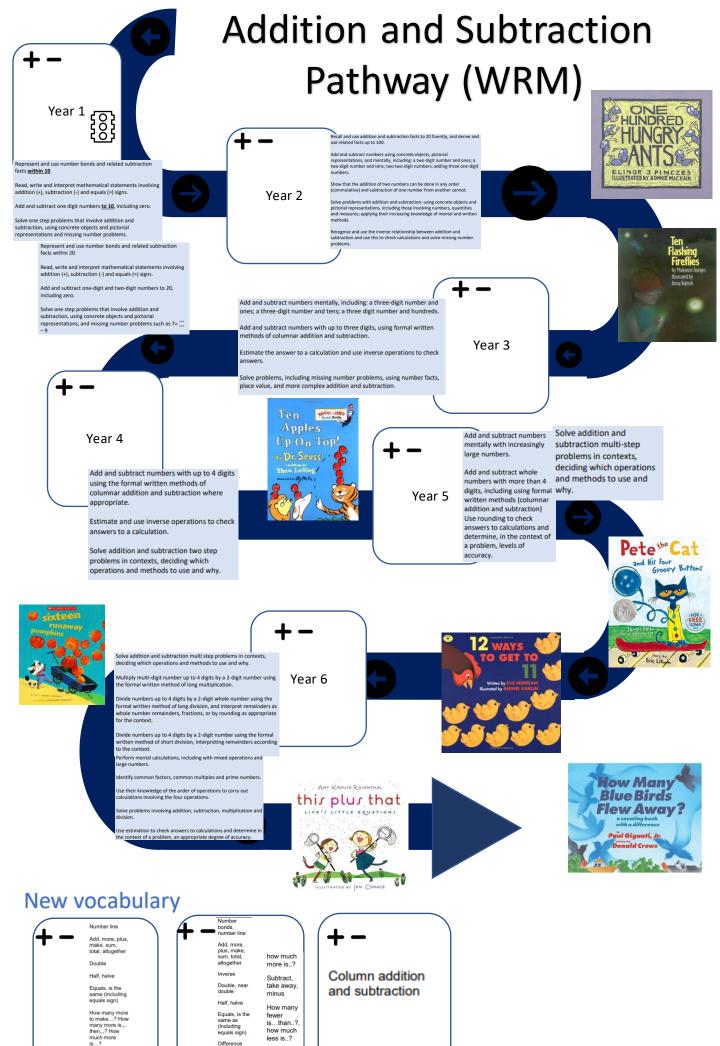
Negative integers

Count through zero

Roman numerals (I to C)

Numbers to ten million





Subtract, take away, minus.

Multiplication and division Pathway (WRM)

Year 1

Count in multiples of twos, fives

multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support

Two of Everything

Year 4



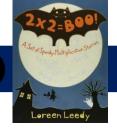
Year 2

using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.

of two numbers can be done in any order (commutative) and division of one number

Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.

Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (+) and equals (=) signs.



Count from 0 in multiples of 4, 8, 50 and 100

Recall and use multiplication and division facts for the 3, 4

The Best of Times.

Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written

Year 3
Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.

Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.

Soive problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.



Solve problems involving multiplying and adding, including using the distributive last commutativity in mental calculation commutativity in mental calculation.

facts for multiplication tables up to 12 ^ 2.2.

Count in multiples of 6, 7, 9, 25 and 1000 Recall and use multiplication and division facts for multiplication tables up to 12 × 12.

Multiply two digit and three digit number using formal written layout.

Use place value, known and derived facts t multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.

I acts for multiply to the place value, known and derived facts to multiply and divide mentally, including: multiplying to and 1; dividing by 1; multiplying together three numbers.

Identify common factors, common multiples and prime numb





Multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication.

numbers up to 4 digits by a 2-digit number using the formal n method of short division, interpreting remainders according



Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.

Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers.

ove problems involving nultiplication and division ncluding using their knowledge f factors and multiples, squares nd cubes.



Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.

Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign.



CLAUDIA MILLS $7 \times 9 =$ Trouble!



New vocabulary

Array, row, column

Double, halve

Share, share equally



Lots of, grou

Divide, divided by, left, left over



Product

Multiples of four, eight, fifty and one hundred

Scale up



Multiplication facts (up to 12x12)

Division facts

Inverse

Derive

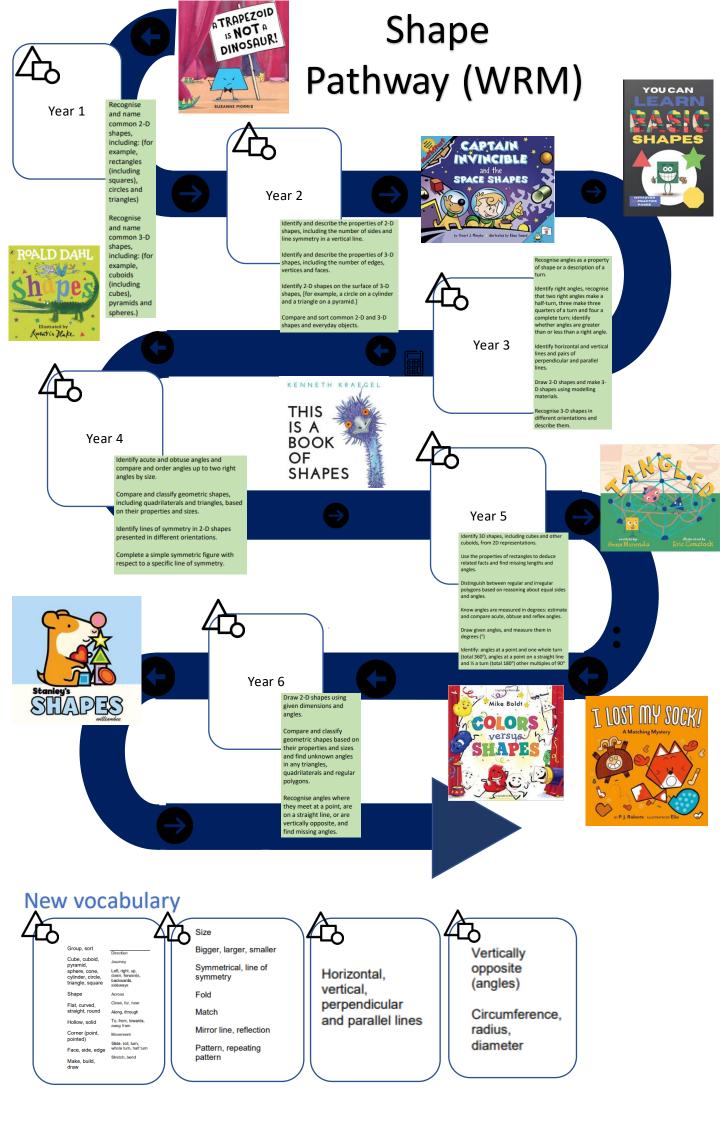


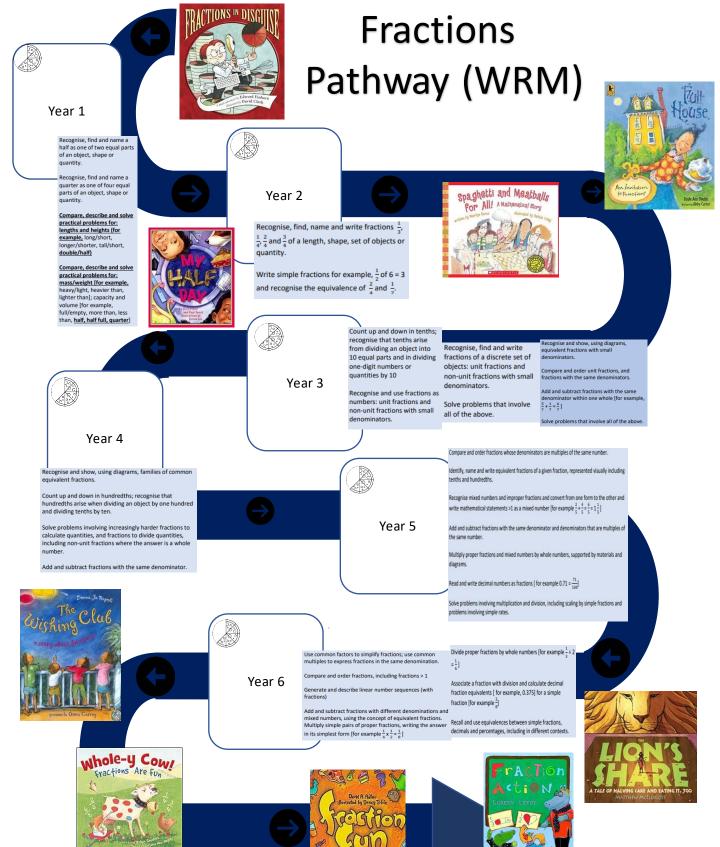
Composite numbers, prime number, prime factors, square number, cubed number

Formal written



Order of operations Common factors, common multiples





New vocabulary



Whole

Equal parts, four equal parts

One half, two halves

A quarter, two quarters



Three quarters, one third, a third

Equivalence, equivalent



Numerator,

Unit fraction, non-

Compare and

Tenths

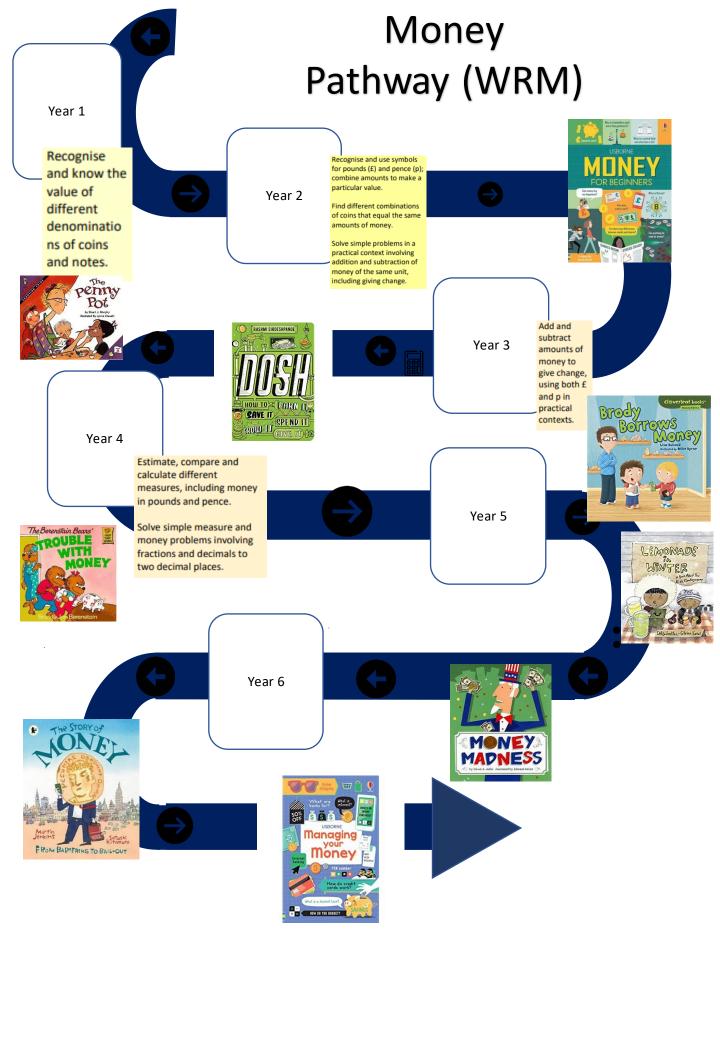


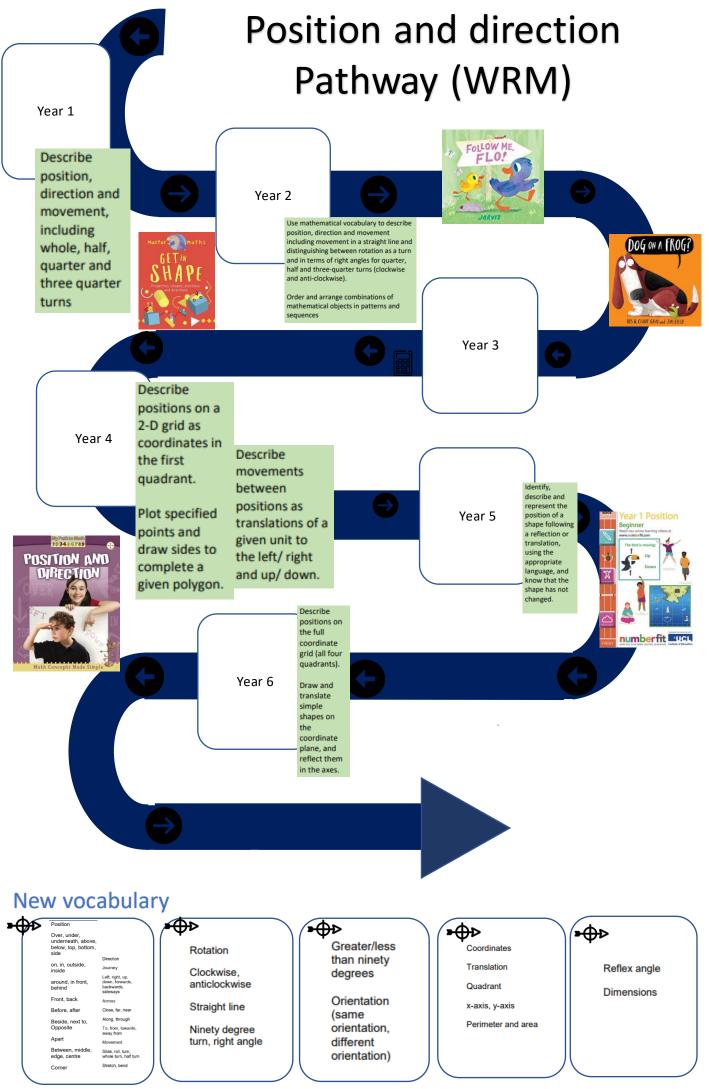
Equivalent decimals and fractions

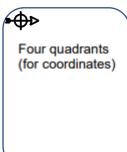


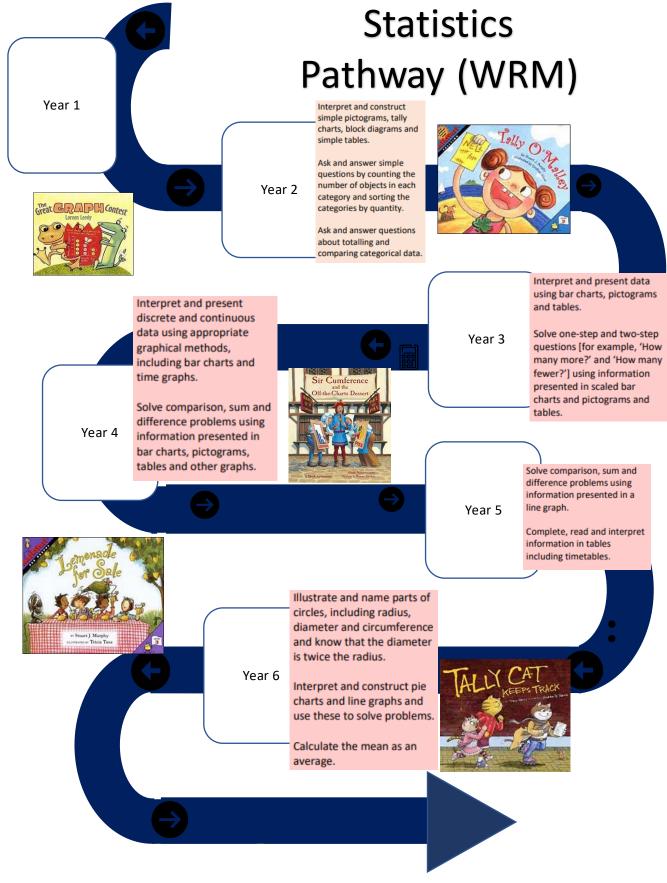
Degree of accuracy

Simplify









New vocabulary



Count, tally, sort

Vote

Graph, block graph, pictogram,

Represent

Group, set, list, table

Label, ti

Most popular, most common, least popular, least common



Chart, bar chart, frequency table, Carroll diagram, Venn diagram

Axis, axes

Diagram



Continuous data

Line graph



Mean

Pie chart

Construct