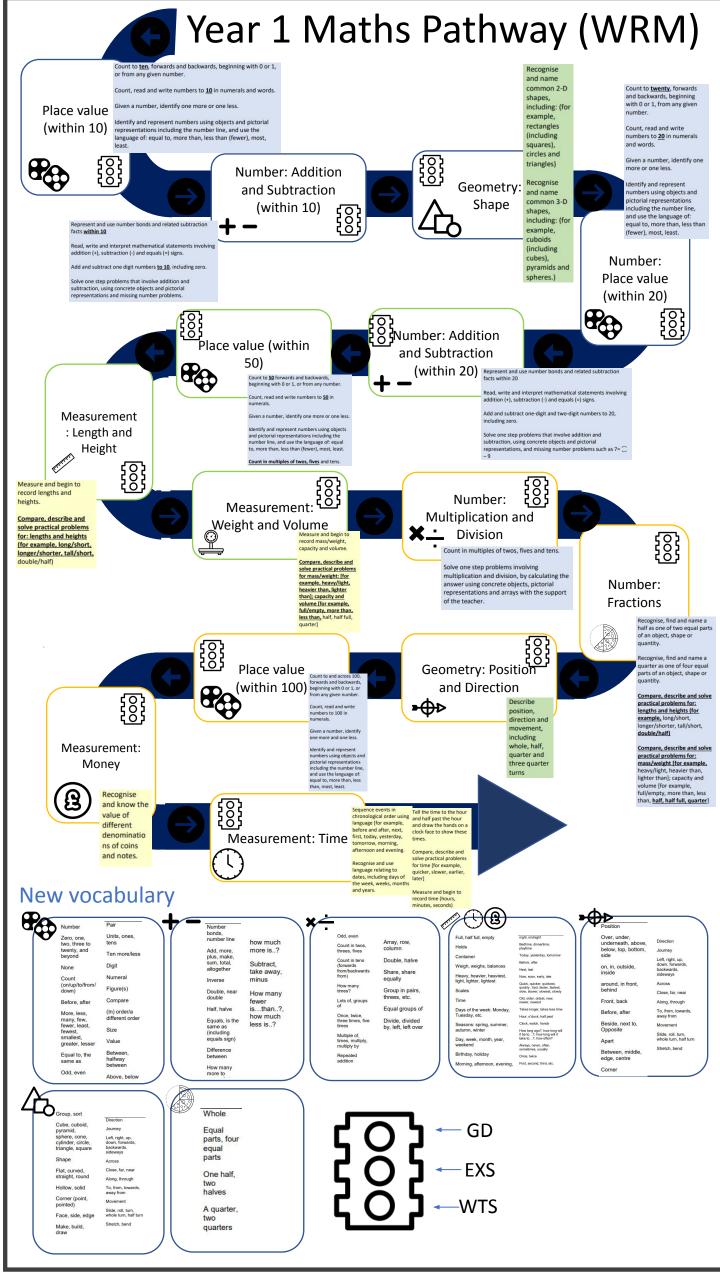
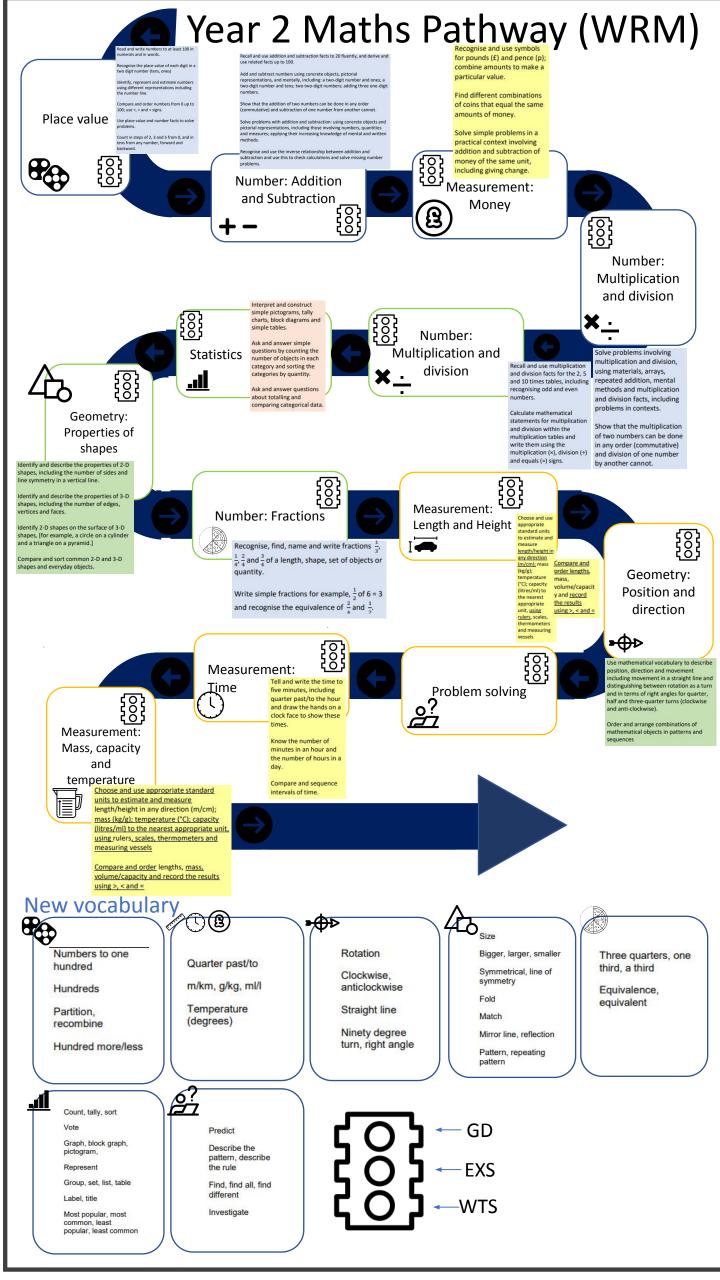
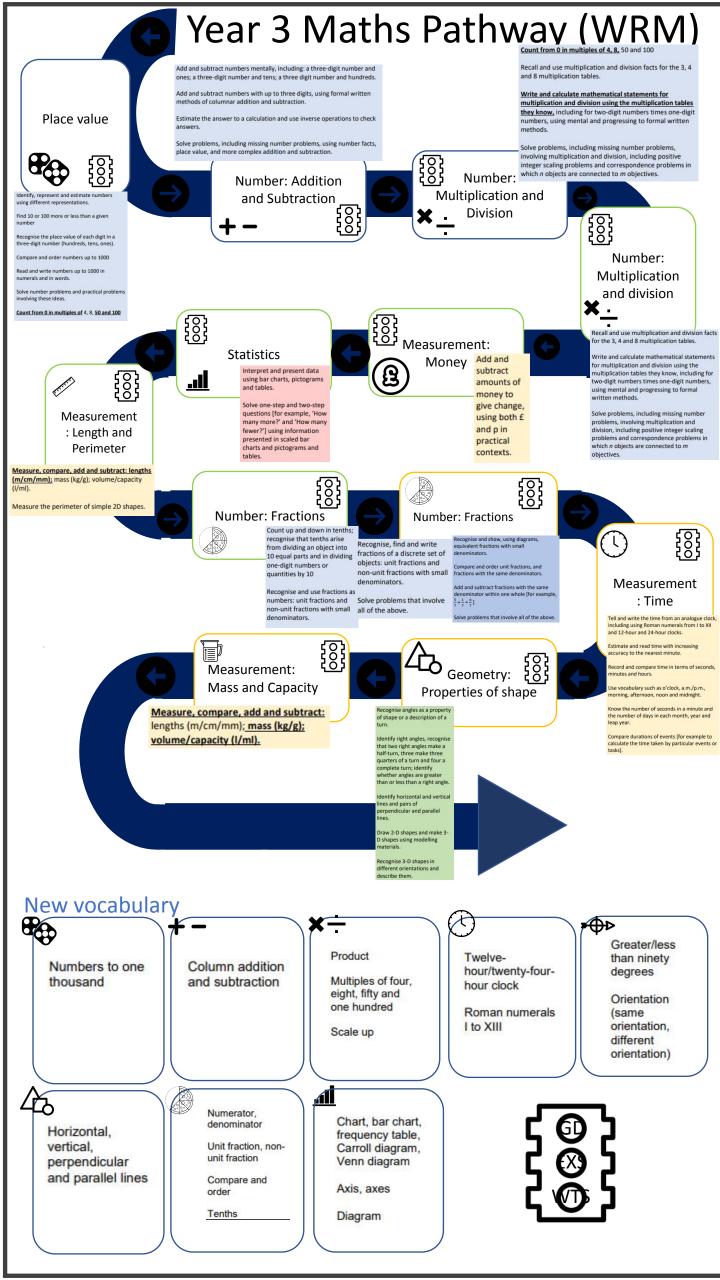


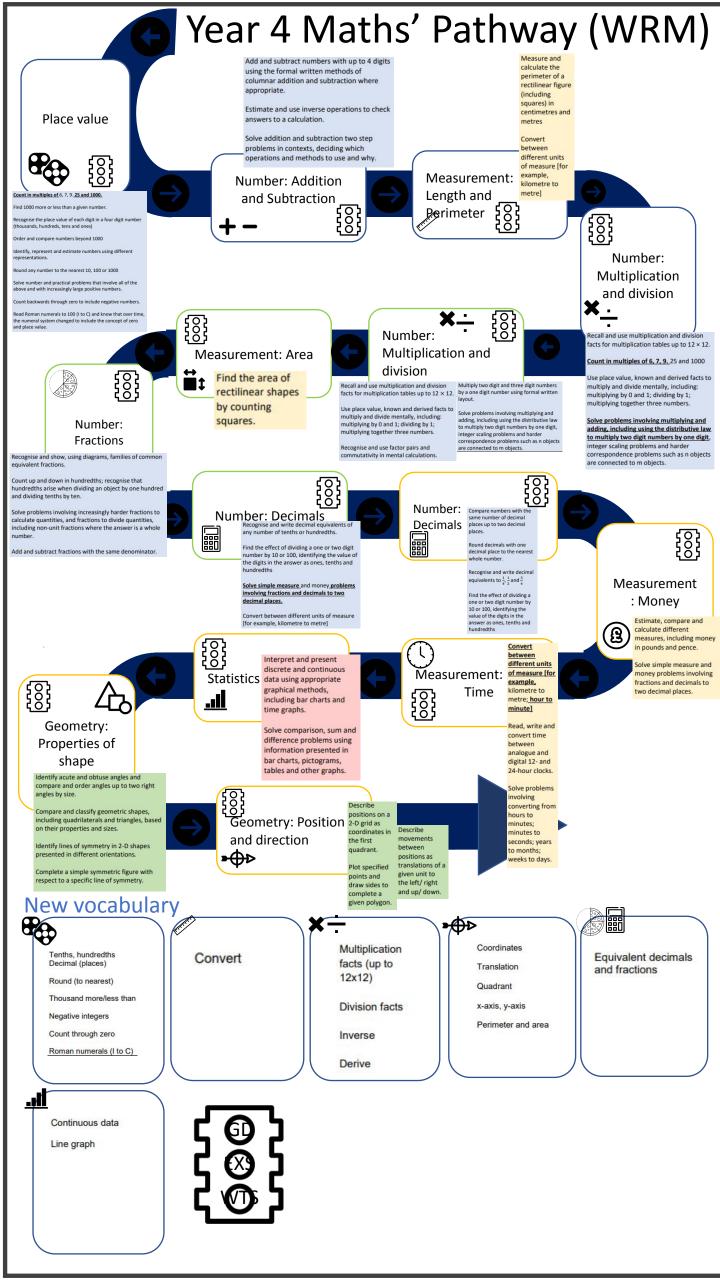
New vocabulary

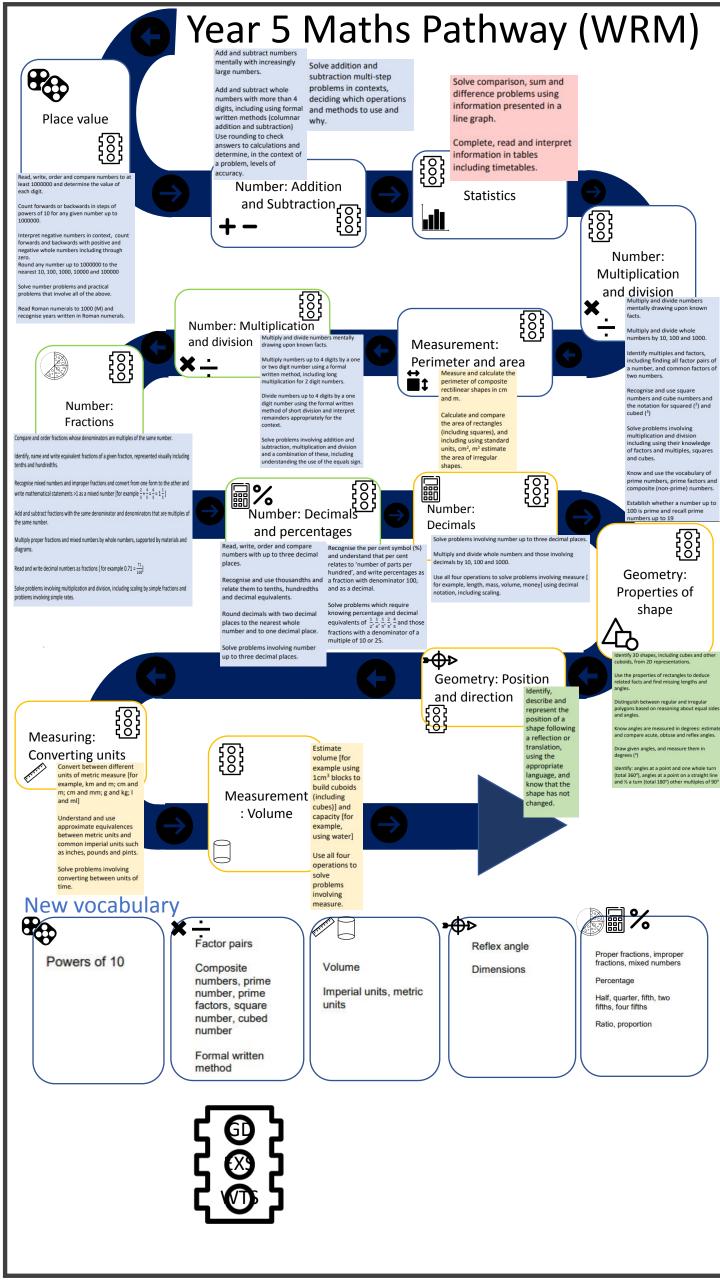
Number and Place Value	Addition and Subtraction	Multiplication and Division	Measure	Geometry (position and direction)	Geometry (Properties of shape)	Fractions	General/problem solving.
Number	Number line	Odd, even	Full, half, empty	Over, under, underneath,	Sort	Whole	Listen, join in
One, two, three to twenty and beyond.	Add, more, plus, make, sum,	Double, halve	Holds	above, below, top, bottom, side	Cube, cuboid, pyramid,	Equal	Say, think, imagine, remember
None	total, altogether	Share, share equally	Container	On, in, outside,	sphere, cone, cylinder, circle,	One half	Start from
100.00	Double	Group in pairs	Weigh, weighs,	inside	triangle, square		020 30 10 00000
Count	11-16 1-1-1		balance	to found highland	01		Look at, point to
on/up/to/from/down	Half, halve	Equal groups of	Heavy, heavier,	In front, behind	Shape		Put
Before, after	Equals, is the	Divide	heaviest, light,	Front, back	Flat, curved,		W/I - 1
More, less, many,	same (including equals sign)		lighter, lightest	Before, after	straight, round Solid		What comes next?
few, fewer, fewest,			Scales	262 300 300	Corner		Find, use, make,
smaller, smallest	How many more to make? How		Time	Beside, next to	Face, side		build
Equal to, the same	many more is,,,		Time	Middle	Tacc, side		Tell me, describe,
as	then,,,? How		Days of the week:	7. 500	Make, build,		pick out, talk about,
Odd, even	much more is?		Monday, Tuesday etc.	Up, down, forwards,	draw		explain, show me
				backwards.			Read, write
Digit	Subtract, take		Seasons: Spring,	Sideways			Tiek draw a line
Numeral	away, minus.		Summer, Autumn, Winter	Close, far			Tick, draw a line, ring
Compare			Days, week, month, year, weekend	Through			Cost
Order			Birthday, holiday	Towards, away from			Count, work out
Size				ESCAPE DE CONTRACTOR DE CONTRA			Number line,
Value			Morning, afternoon,	Side, roll, turn			number track,
Between, halfway			evening, night				number square, number cards
between			Bedtime,				

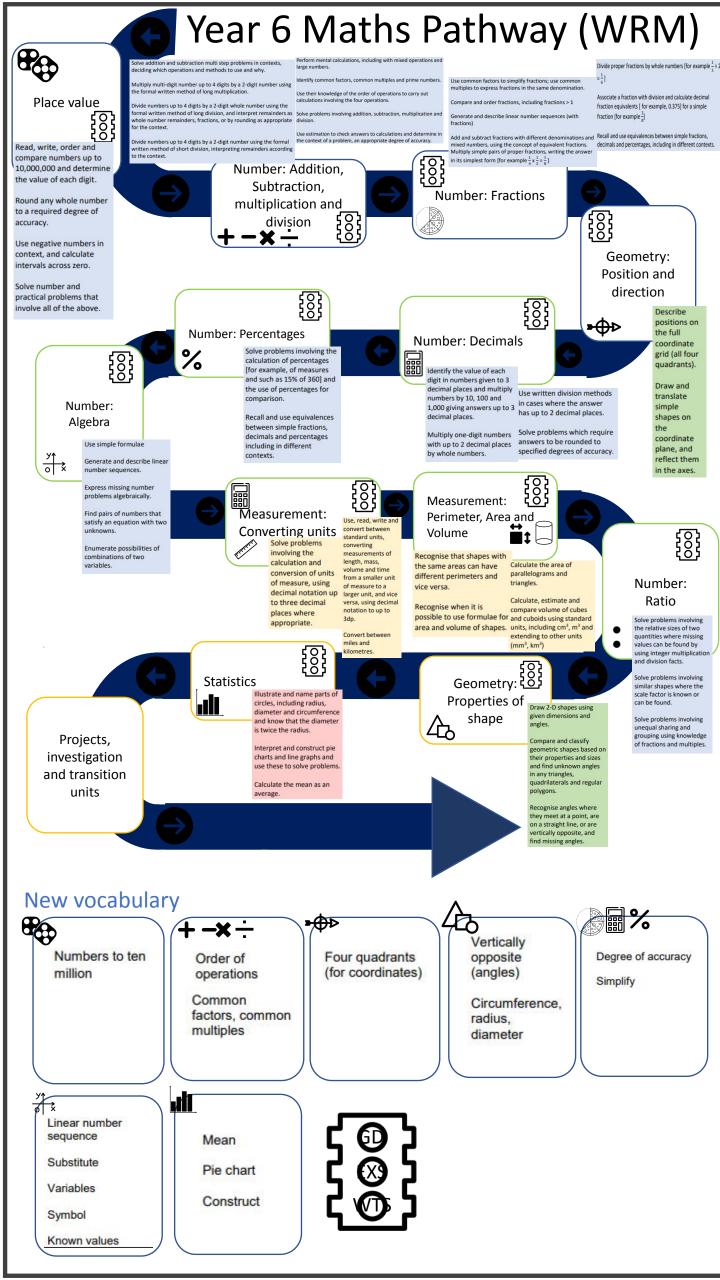














Place Value Pathway (WRM)

Year 1 (0)

compare numbers up to 10,000,000 and determine the value of each digit.

Round any whole number to a required degree of

Use negative numbers in context, and calculate

Solve number and practical problems that involve all of the above. Count to twenty, forwards and backwards, beginning with 0 or 1, from any given

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 tha (fewer), most, least.



Year 2



Identify, represent and estimate numbers

Find 10 or 100 more or less than a giv

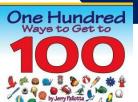
Count from 0 in multiples of 4, 8, 50 and 100





Read and write numbers up to 1000 in numerals and in words.





Year 3

Count forwards or backwards in steps of powers of 10 for any given number up to 1000000.

number up to 1000000 to the 100, 1000, 10000 and 100000







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.

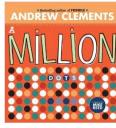


Year 4













Figure(s) Before, after Compare

More, less, many, few, fewer, least, fewest, smallest, greater, lesser Size Value Equal to, the same as

Numbers to one hundred

Hundreds

Partition, recombine

Hundred more/less

Numbers to one thousand

Tenths, hundredths Decimal (places)

Round (to nearest)

Negative integers Count through zero

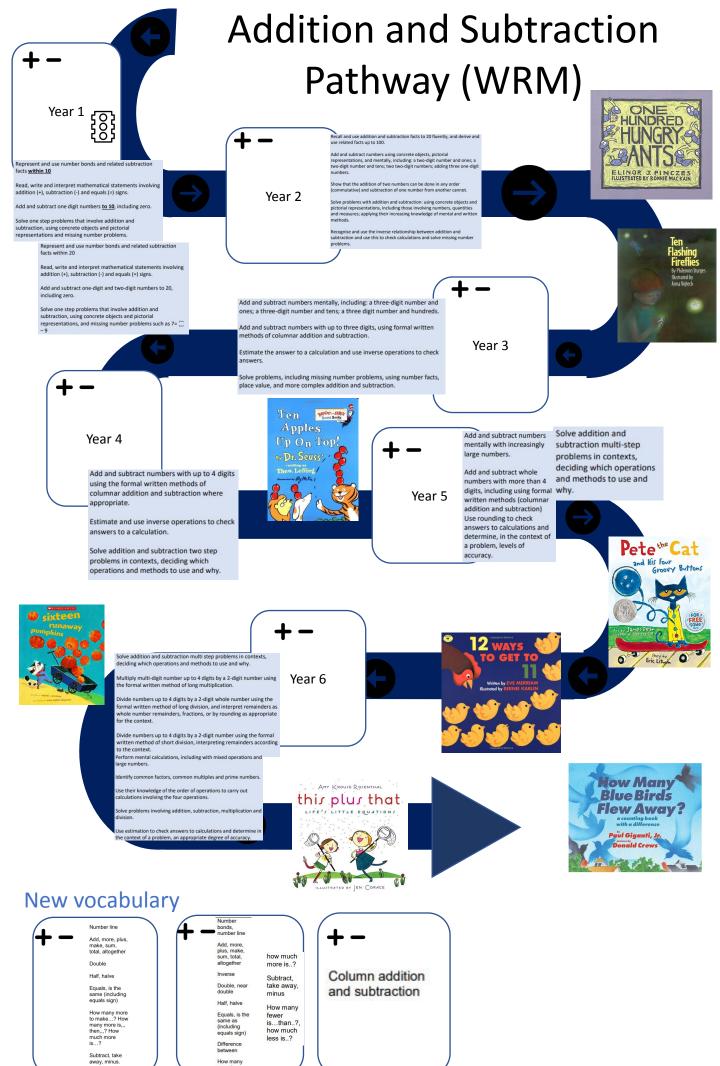
Roman numerals (I to C)

Powers of 10

Numbers to ten million

Odd, even





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

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

nd division of one number by another cannot.

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

methods and multiplication and division facts, including problems in contexts.

Show that the multiplication of two numbers can be done in any order (commutative) and division of one number.



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

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

The Best of Times

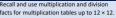
Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.

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.

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



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

Tacks for multiplying together three facts to multiply and divide mentally, including: multiplying together three numbers.

Tacks for multiplying together three facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.

adding, including using the distributive law
adding, including using the distributive law
to multiply two digit numbers by one digit
integer scaling problems and harder
correspondence problems such as n objects
are connected to m objects.

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 numbers by a one digit number using formal written





Multiply and divide whole numbers by 10, 100 and 1000.

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

olve problems involving ultiplication and division cluding using their knowledge factors and multiples, squares



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



CLAUDIA MILLS $7 \times 9 =$ Trouble!



Year 6

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

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

Identify common factors, common multiples and prime numl



New vocabulary



Count in twos, threes, fives

How many

Lots of, groups

Array, row, column Double, halve Share, share equally

Equal groups of

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

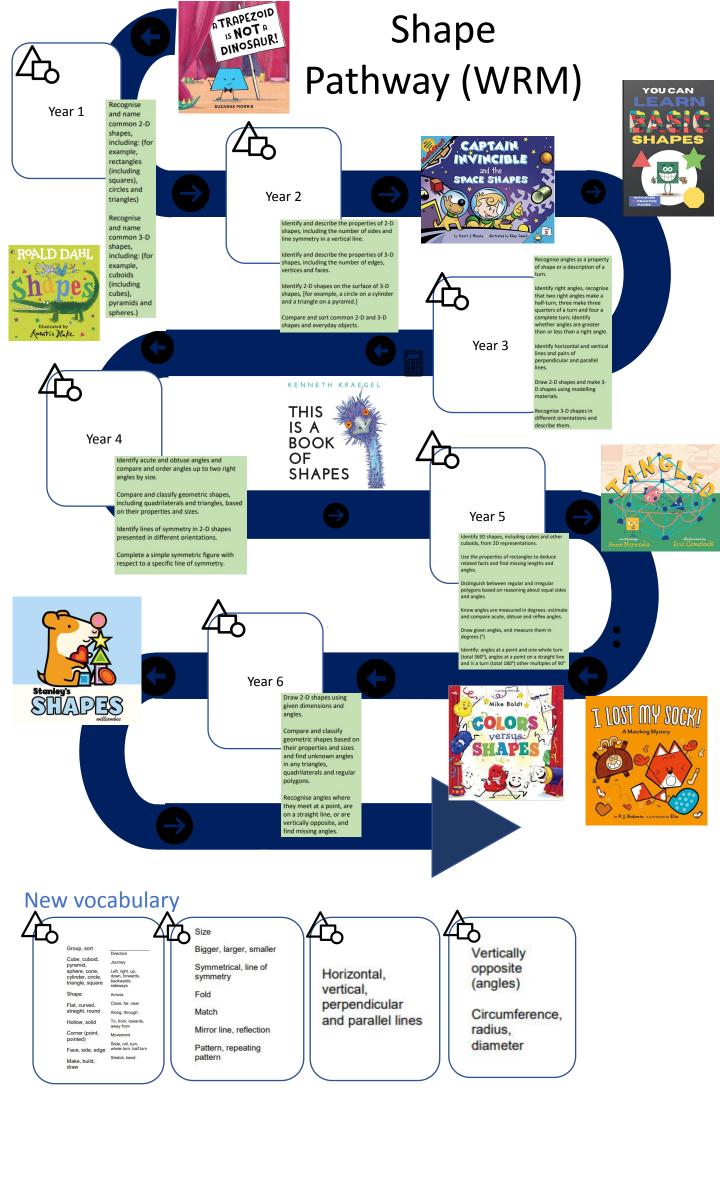


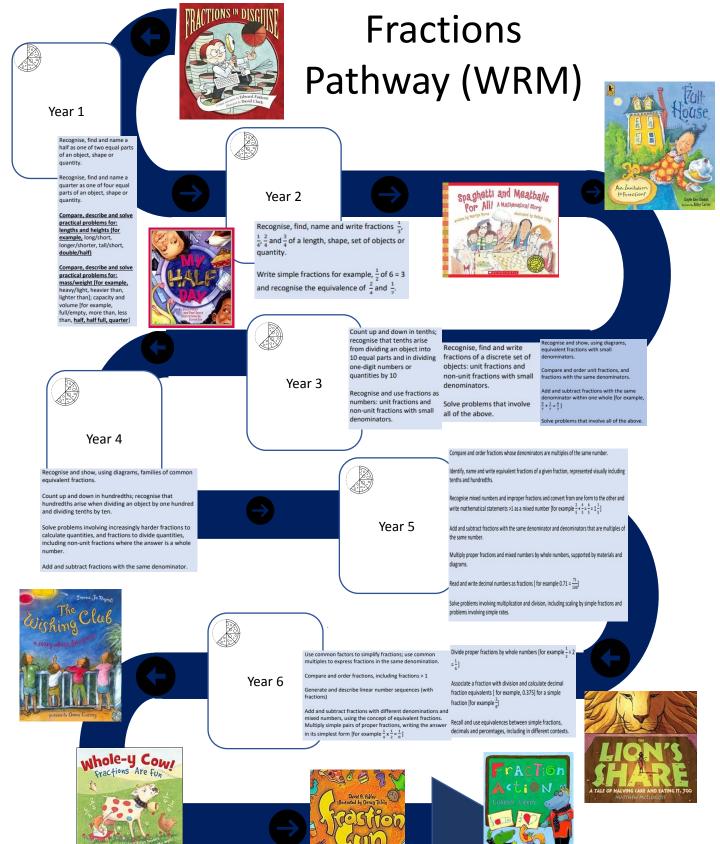
Composite numbers, prime number, prime factors, square number, cubed number

Formal written method



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, denominator

Unit fraction, nonunit fraction

Compare and order

Tenths

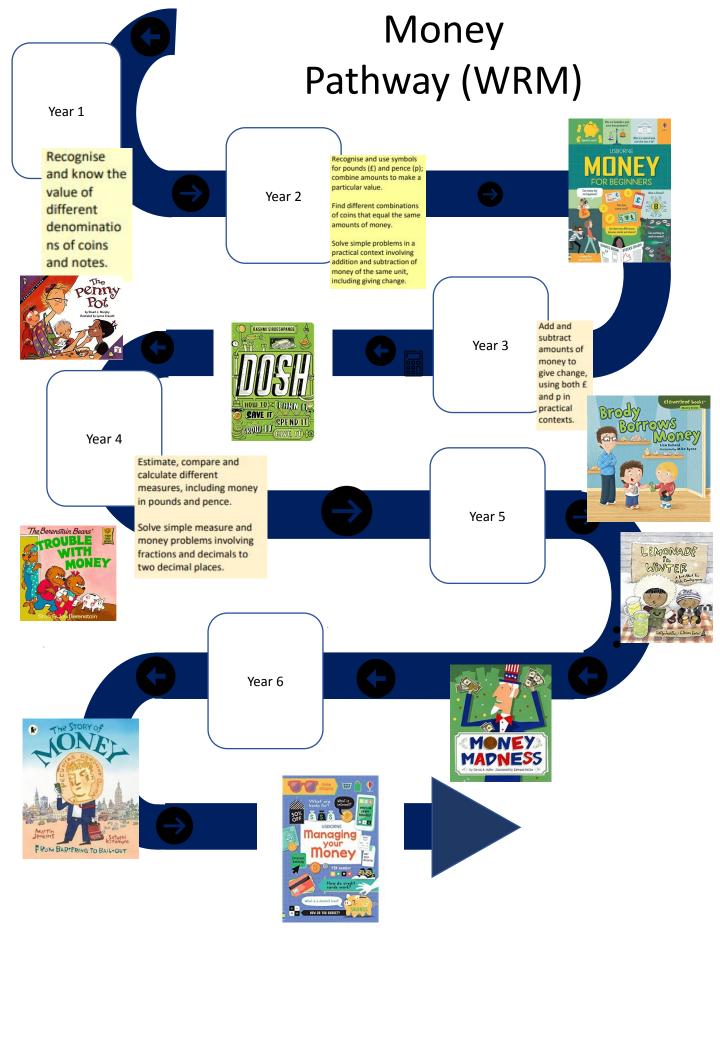


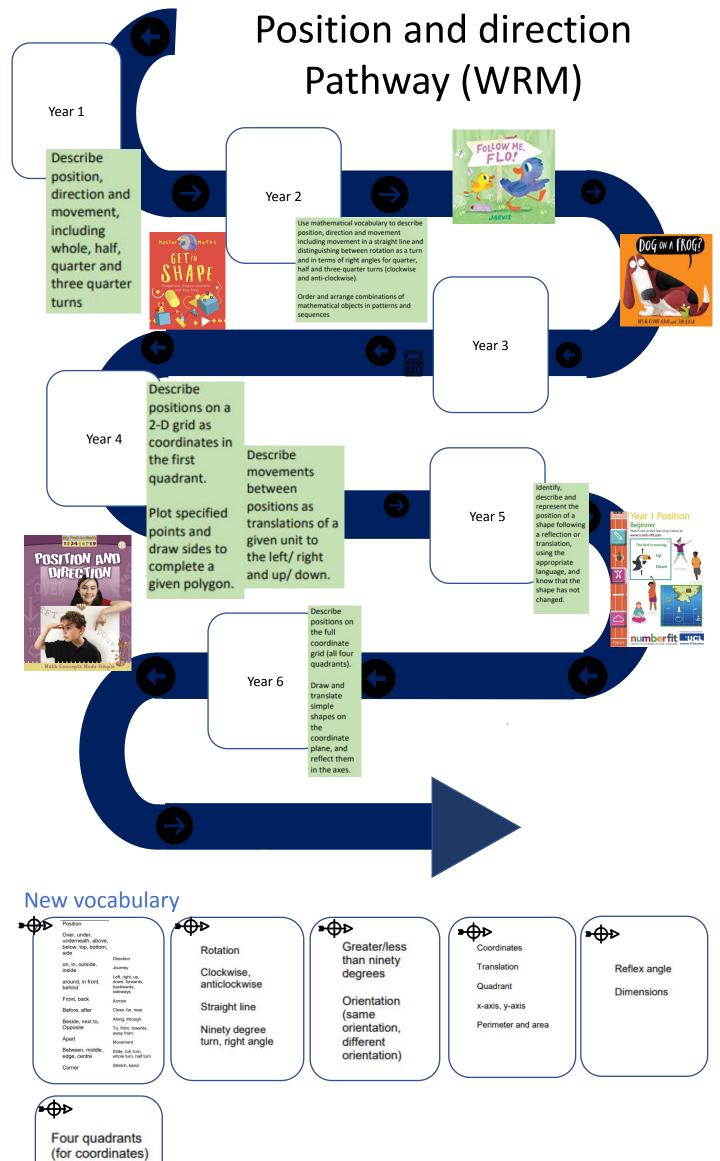
Equivalent decimals and fractions

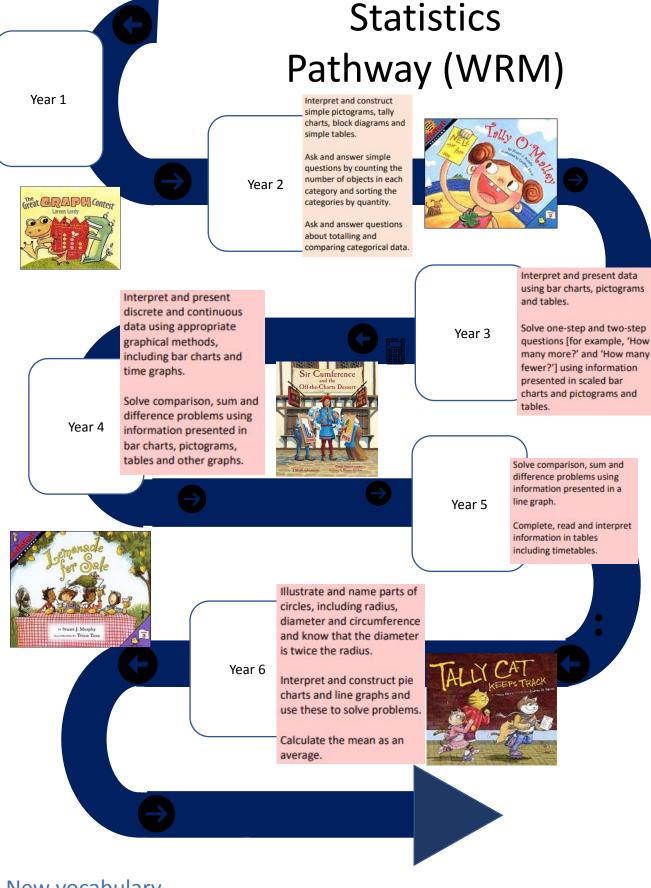


Degree of accuracy

Simplify







New vocabulary



Count, tally, sort

Graph, block graph, pictogram,

Represent

Group, set, list, table

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