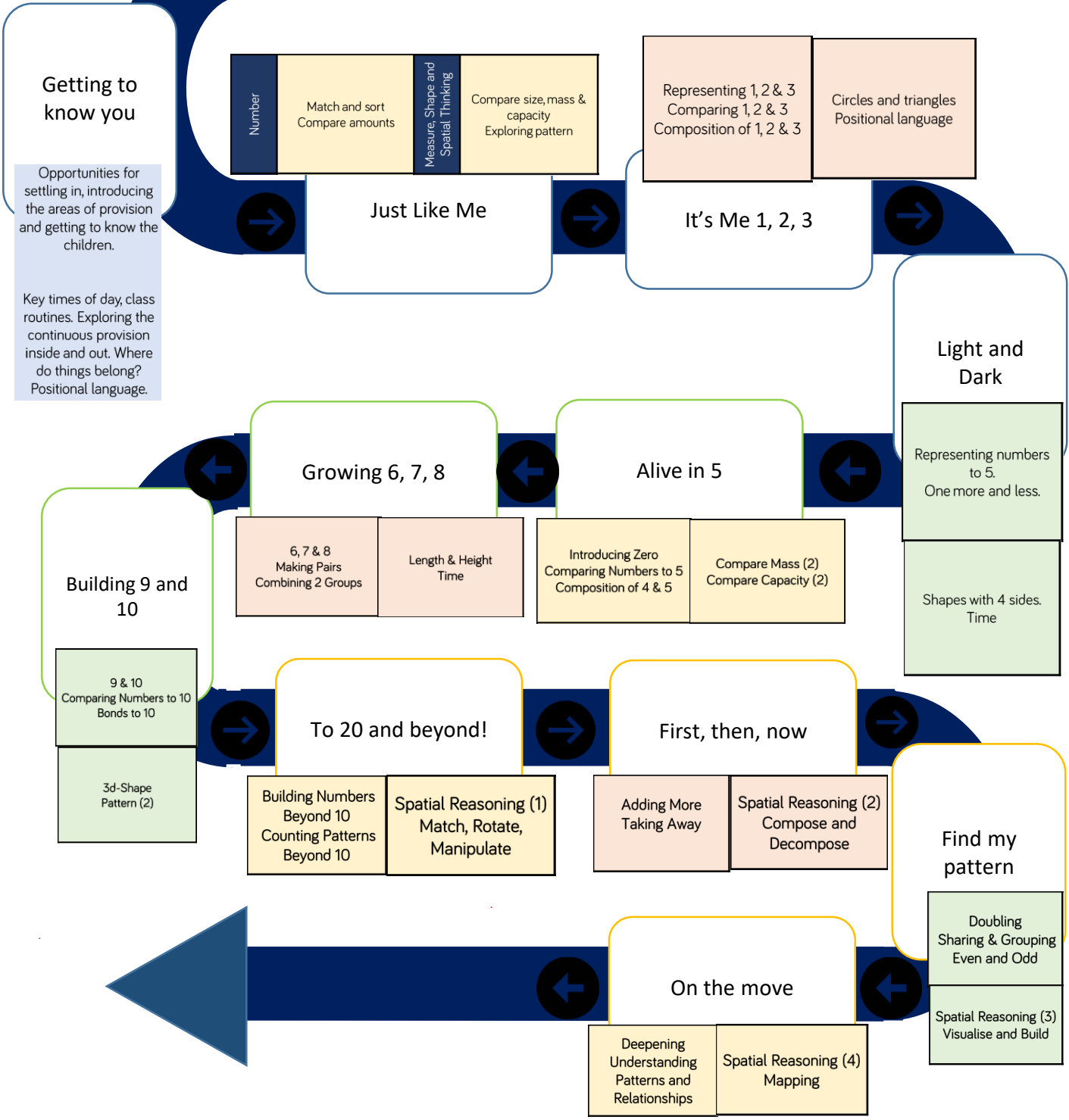


EYFS Maths' Pathway (WRM)



New

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, above, below, top, bottom, side	Sort	Whole	Listen, join in
One, two, three to twenty and beyond.	Add, more, plus, make, sum, total, altogether	Double, halve	Holds	On, in, outside, inside	Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square	Equal	Say, think, imagine, remember
None	Double	Share, share equally	Container	In front, behind	Shape	One half	Start from
Count on/up/to/from/down	Half, halve	Group in pairs	Weigh, weighs, balance	Front, back	Flat, curved, straight, round		Look at, point to
Before, after	Equals, is the same (including equals sign)	Equal groups of	Heavy, heavier, heaviest, light, lighter, lightest	Before, after	Solid		Put
More, less, many, few, fewer, fewest, smaller, smallest	How many more to make...? How many more is... then...? How much more is...?	Divide	Scales	Beside, next to	Corner		What comes next?
Equal to, the same as			Time	Middle	Face, side		Find, use, make, build
Odd, even			Days of the week: Monday, Tuesday etc.	Up, down, forwards, backwards, Sideways	Make, build, draw		Tell me, describe, pick out, talk about, explain, show me
Digit	Subtract, take away, minus.		Seasons: Spring, Summer, Autumn, Winter	Close, far			Read, write
Numeral			Days, week, month, year, weekend	Through			Tick, draw a line, ring
Compare			Birthday, holiday	Towards, away from			Cost
Order			Morning, afternoon, evening, night	Side, roll, turn			Count, work out
Size			Bedtime,				Number line, number track, number square, number cards



Year 1 Pathway Autumn

Autumn	Number Place value (within 10)	Number Addition and subtraction (within 10)	Geometry Shape

Place Value



Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number

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

Compare numbers using $<$, $>$ and $=$ signs

Read and write numbers from 1 to 20 in numerals and words

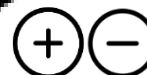
Assessment:
Test:

Shape



Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles]; 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]

Assessment:
Test:



Addition and Subtraction

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)

Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs

Represent and use number bonds and related subtraction facts within 20

Add and subtract 1-digit and 2-digit numbers to 20, including zero

Assessment:
Test:

Number and Place value	Addition and Subtraction	Multiplication and division	Measure	Position and direction	Shape	Fractions	Problem solving
Zero, one, two, three to twenty and beyond	Number bonds, number line	Odd, even	Full, half, empty	Over, under, underneath, above, below, top, bottom	Group, sort	Whole	Say
None	Add, more, plus, make, sum, total, altogether	How many times	Holds	On, in, outside, inside	Cube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, square	Equal	Think
Count on/up/to/down/From	Inverse	Lots of, groups of	Container	Around, in front, behind	Shape	Parts	Start from, start with
Before/less	Equals	Multiply, multiple of	Weigh, balances	Front, back, before, after	Flat, curved, straight, round	Four equal parts	Look at, point to, place
Many, fewer, least, smallest, greatest,	Difference between,	Repeated addition,	Heavy, heavier, heaviest	Beside, next to, opposite, apart	Hollow, solid	One half, two halves	Arrange, rearrange
Equal to, same as	How many more make...? How much more is...?	Array, row	Light, lighter, lightest	Left, right, up, down, forwards, backwards	Corner	A quarter	What comes next?
Odd, even	How many fewer is...? How much less is...?	Double, halve	Days of the week Seasons	Along, through	Face, side, edge	Two quarters	Carry on, continue, repeat
Units, ones, tens	Subtract, take away, minus	Share, share equally	Day, week, month, year, weekend	Slide, roll, turn,			Find, choose, collect
Compare	Divide, divided by, left over	Equal groups of	Morning, afternoon, evening	Whole turn, half turn			Shade, colour, record
Value	How many fewer is...? How much less is...?	Divide, divided by, left over	Hour, o'clock, half past				Describe Explain Prove it



Year 2 Pathway Autumn

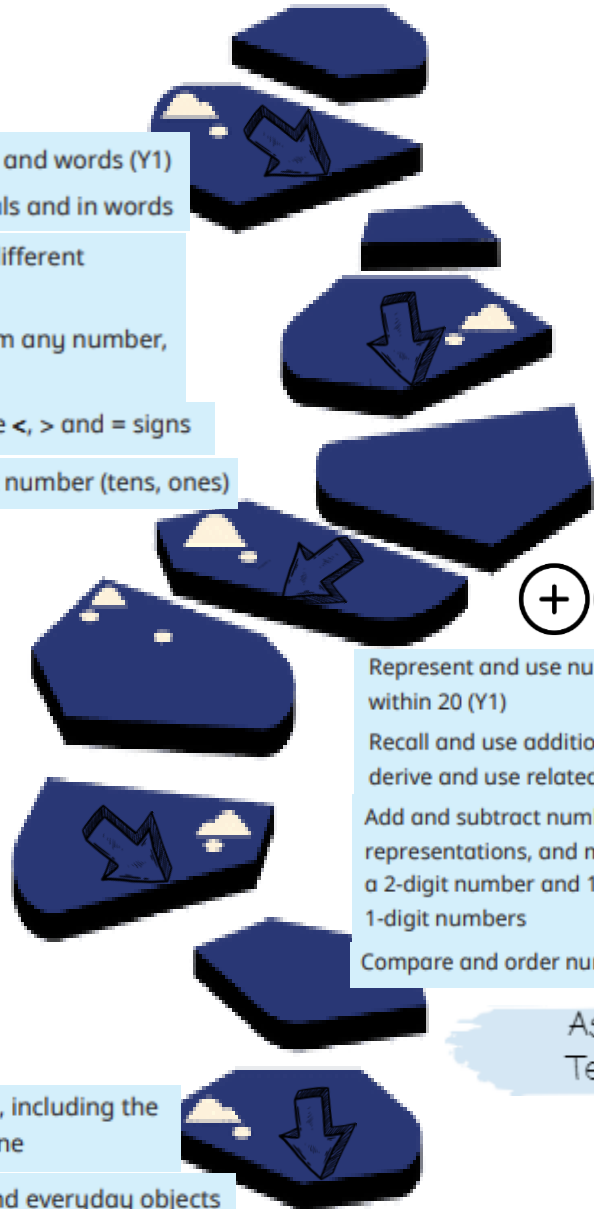
Number Place value	Number Addition and subtraction	Geometry Shape
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Place Value



- Read and write numbers from 1 to 20 in numerals and words (Y1)
- Read and write numbers to at least 100 in numerals and in words
- Identify, represent and estimate numbers using different representations, including the number line
- Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward
- Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs
- Recognise the place value of each digit in a 2-digit number (tens, ones)

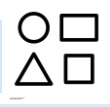
Assessment: Test:



Addition and Subtraction

- Represent and use number bonds and related subtraction facts within 20 (Y1)
- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers and adding three 1-digit numbers
- Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs

Shape



- Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line
- Compare and sort common 2-D and 3-D shapes and everyday objects
- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- Identify 2-D shapes on the surface of 3-D shapes

Assessment: Test:

Assessment: Test:

Number and Place value	Addition and Subtraction	Multiplication and division	Measure	Position and direction	Shape	Fractions	Problem solving
Numbers to 100	Number bonds, number line	Odd, even	Quarter past	Rotation	Size	Three quarters	Predict
Hundreds	Add, more, plus, make, sum, total, altogether	How many times	Quarter to	Clockwise	Bigger, smaller, larger	One third, a third	Describe the pattern
Partition	Inverse	Lots of, groups of	Km, m	Anti clockwise	Symmetrical, line of symmetry	Equivalence	Describe the rule
Recombine	Equals	Multiply, multiple of	Kg, g	Straight line	Fold	Equivalent to	Find, find all
Hundred more, less	Difference between,	Repeated addition,	MI, l	Ninety degree turn	Match		Investigate
Equal to, same as	How many more make...?	Array, row	Temperature	Right angle	Mirror line, reflection,		Describe Explain Prove it
Odd, even	How much more is...?	Double, halve	degrees		Pattern, repeating pattern,		
Units, ones, tens	How much less is...?	Share, share equally	Holds				
Compare	Subtract, take away, minus	Equal groups of	Container				
Value	How many fewer is...?	Divide, divided by, left over	Weigh, balances				
	How much less is...?		Heavy, heavier, heaviest				



Year 1 / 2 maths' Pathway (WRM)



Autumn	Number Place value (within 10)	Number Addition and subtraction (within 10)	Geometry Shape

Number Place value	Number Addition and subtraction	Geometry Shape
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Place Value



- Count to and across 100, forwards and backwards, beginning with zero or 1, or from any given number
- 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
- Compare numbers using $<$, $>$ and $=$ signs
- Read and write numbers from 1 to 20 in numerals and words

- Read and write numbers from 1 to 20 in numerals and words (Y1)
- Read and write numbers to at least 100 in numerals and in words
- Identify, represent and estimate numbers using different representations, including the number line
- Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward
- Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs

Recognise the place value of each digit in a 2-digit number (tens, ones)

Assessment:
Test:

Shape



Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles]; 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]

- Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line
- Compare and sort common 2-D and 3-D shapes and everyday objects
- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- Identify 2-D shapes on the surface of 3-D shapes

Assessment:
Test:

Assessment:
Test:

Addition and Subtraction

- 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)
- Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- Represent and use number bonds and related subtraction facts within 20
- Add and subtract 1-digit and 2-digit numbers to 20, including zero

- Represent and use number bonds and related subtraction facts within 20
- Add and subtract 1-digit and 2-digit numbers to 20, including zero
- Represent and use number bonds and related subtraction facts within 20 (Y1)
- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers and adding three 1-digit numbers
- Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs

Number and Place value	Addition and Subtraction	Multiplication and division	Measure	Position and direction	Shape	Fractions	Problem solving
Numbers to 100	Number bonds, number line	Odd, even	Quarter past	Rotation	Size	Three quarters	Predict
Hundreds		How many times	Quarter to	Clockwise	Bigger, smaller, larger	One third, a third	Describe the pattern
Partition	Add, more, plus, make, sum, total, altogether	Lots of, groups of	Km, m	Anti clockwise	Symmetrical, line of symmetry	Equivalence	Describe the rule
Recombine	Inverse	Multiply, multiple of	Kg, g	Straight line		Equivalent to	Find, find all
Hundred more, less	Equals	Repeated addition,	Ml, l	Ninety degree turn	Fold		Investigate
Equal to, same as	Difference between,	Array, row	Temperature	Right angle	Match		Describe
Odd, even	How many more make...?	Double, halve	degrees		Mirror line, reflection,		Explain
Units, ones, tens	How much more is...?	Share, share equally	Holds		Pattern, repeating pattern,		Prove it
Compare	Value	Equal groups of	Container				
	Subtract, take away, minus	Divide, divided by, left over	Weigh, balances				
	How many fewer is...?		Heavy, heavier, heaviest				
	How much less is...?						



Year 3 Pathway Autumn



Autumn	Number Place value	Number Addition and subtraction	Number Multiplication and division A
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Place Value



- Identify, represent and estimate numbers using different representations
- Recognise the place value of each digit in a 3-digit number (hundreds, tens, ones)
- Read and write numbers up to 1,000 in numerals and words
- Count from zero in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number

Assessment:
Test:



+ - Addition and Subtraction

- Add and subtract numbers mentally, including:
 - a 3-digit number and ones
 - a 3-digit number and tens
 - a 3-digit number and hundreds
- Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
- Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Estimate the answer to a calculation and use inverse operations to check answers

Assessment:
Test:

× ÷ Multiplication and Division A



- Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods
- Show that multiplication of two numbers can be done in any order (commutative) and division on one number by another cannot (Y2)
- Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward (Y2)
- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers (Y2)

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

Assessment:
Test:

Number and Place value	Addition and Subtraction	Multiplication and division	Measure	Position and direction	Shape	Fractions	Data/Statistics
Numbers to 1000	Column addition, Column subtraction,	Product	Twelve/twenty four hour clock	Greater, less than	Horizontal,	Numerator	Chart
Partition	Inverse	Multiples of...	Am, pm	Ninety degrees	Vertical	Denominator	Bar chart
Recombine	Equals	Scale up	Roman numerals I to XIII	Orientation, Same orientation	Perpendicular lines	Unit fraction, non unit fraction	Frequency table
Hundred more, less	Difference between,	Repeated addition,		Different orientation	Parallel lines	Compare and order	Carroll diagram
Equal to, same as	How many more make...?	Array, row				Tenths	Venn diagram
Odd, even	How much more is...?	Share, share equally					Axis
Compare	Subtract, take away, minus	Equal groups of					Diagram
Value	How many fewer is...?	Divide, divided by, left over					
	How much less is...?						



Year 4 Pathway Autumn



Autumn	Number Place value	Number Addition and subtraction	Measurement Area	Number Multiplication and division A

Place Value



Read and write numbers up to 1,000 in numerals and words (Y3)

Identify, represent and estimate numbers using different representations

Recognise the place value of each digit in a 3-digit number (hundreds, tens, ones) (Y3)

Count in multiples of 6, 7, 9, 25 and 1,000

Recognise the place value of each digit in a 4-digit number (thousands, hundreds, tens and ones)

Find 1,000 more or less than a given number

Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

Assessment:

Test:

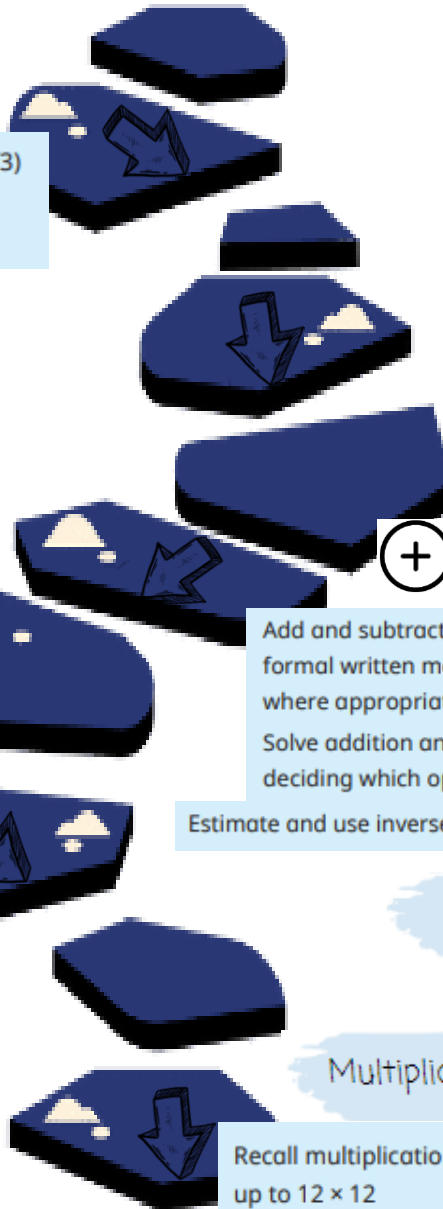
Area



Find the area of rectilinear shapes by counting squares

Assessment:

Test:



Addition and Subtraction

Add and subtract numbers with up to four digits using the formal written methods of columnar addition and subtraction where appropriate

Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Estimate and use inverse operations to check answers to a calculation

Assessment:

Test:

Multiplication and Division A



Recall multiplication and division facts for multiplication tables up to 12×12

Recognise and use factor pairs and commutativity in mental calculations

Count in multiples of 6, 7, 9, 25 and 1,000

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

Assessment:

Test:

Number and Place value	Multiplication and division	Measure	Position and direction	Shape	Fractions	Data/Statistics
Tenths, hundredths, decimal places	Multiplication facts (up to 12×12)	Convert	Co-ordinates	Quadrilaterals	Equivalent decimals and fractions	Continuous data
Round (to nearest)	Division facts		Translation	Triangles		Line graph
Thousand more, thousand less	Inverse		Quadrant	Right angle		
Negative integers	Derive		X axis Y axis	Acute and obtuse angles		
Count through zero			Perimeter and area			
Roman Numerals (I to C)						



Year 3 / 4 maths' Pathway (WRM)



Autumn	Number Place value	Number Addition and subtraction	Number Multiplication and division A	Autumn	Number Place value	Number Addition and subtraction	Measurement Area	Number Multiplication and division A

Place Value



Identify, represent and estimate numbers using different representations

Recognise the place value of each digit in a 3-digit number (hundreds, tens, ones)

Read and write numbers up to 1,000 in numerals and words

Count from zero in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number

Read and write numbers up to 1,000 in numerals and words (Y3)

Identify, represent and estimate numbers using different representations

Recognise the place value of each digit in a 3-digit number (hundreds, tens, ones) (Y3)

Count in multiples of 6, 7, 9, 25 and 1,000

Recognise the place value of each digit in a 4-digit number (thousands, hundreds, tens and ones)

Find 1,000 more or less than a given number

Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

Assessment:
Test:

Area



Find the area of rectilinear shapes by counting squares

Assessment:
Test:

Multiplication and Division A



Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods

Show that multiplication of two numbers can be done in any order (commutative) and division on one number by another cannot (Y2)

Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward (Y2)

Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers (Y2)

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

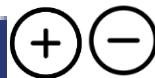
Recall multiplication and division facts for multiplication tables up to 12×12

Recognise and use factor pairs and commutativity in mental calculations

Count in multiples of 6, 7, 9, 25 and 1,000

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

Assessment:
Test:



Addition and Subtraction

Add and subtract numbers mentally, including:

- a 3-digit number and ones
- a 3-digit number and tens
- a 3-digit number and hundreds

Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Estimate the answer to a calculation and use inverse operations to check answers

Add and subtract numbers with up to four digits using the formal written methods of columnar addition and subtraction where appropriate

Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Estimate and use inverse operations to check answers to a calculation



Year 5 Pathway Autumn



Autumn	Number Place value	Number Addition and subtraction	Number Multiplication and division A	Number Fractions A
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Place Value



Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals
 Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
 Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
 Solve number problems and practical problems involving the above
 Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000

Assessment:
Test:

Multiplication and Division A



Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
 Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes
 Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
 Establish whether a number up to 100 is prime and recall prime numbers up to 19
 Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
 Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000
 Multiply and divide numbers mentally, drawing upon known facts

Assessment:
Test:

Addition and Subtraction



Add and subtract numbers mentally with increasingly large numbers
 Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction)
 Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
 Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000
 Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

Assessment:
Test:

Fractions A $\frac{1}{3}$

Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
 Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number
 Compare and order fractions whose denominators are all multiples of the same number
 Add and subtract fractions with the same denominator, and denominators that are multiples of the same number

Assessment:
Test:

Number and Place value	Multiplication and division	Measure	Position and direction	Shape	Fractions
Powers of ten	Efficient written method Factor pairs Composite, prime, prime factor, square numbers, cubed numbers Formal written method	Volume Imperial measures/units Metric measures/units	Reflex angles Dimensions	Regular and irregular polygons	Proper fraction, improper fractions, mixed numbers Percentage Half Quarter Fifths Ratio and proportion



Year 6 Pathway Autumn



Autumn	Number Place value	Number Addition, subtraction, multiplication and division	Number Fractions A	Number Fractions B	Measurement Converting units
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Place Value



Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit

Solve number and practical problems that involve the above

Round any whole number to a required degree of accuracy

Use negative numbers in context, and calculate intervals across zero

Assessment:
Test:

Fractions A



Use common factors to simplify fractions; use common multiples to express fractions in the same denomination

Compare and order fractions, including fractions > 1

Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

Identify common factors, common multiples and prime numbers

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Solve problems involving addition, subtraction, multiplication and division

Assessment:
Test:

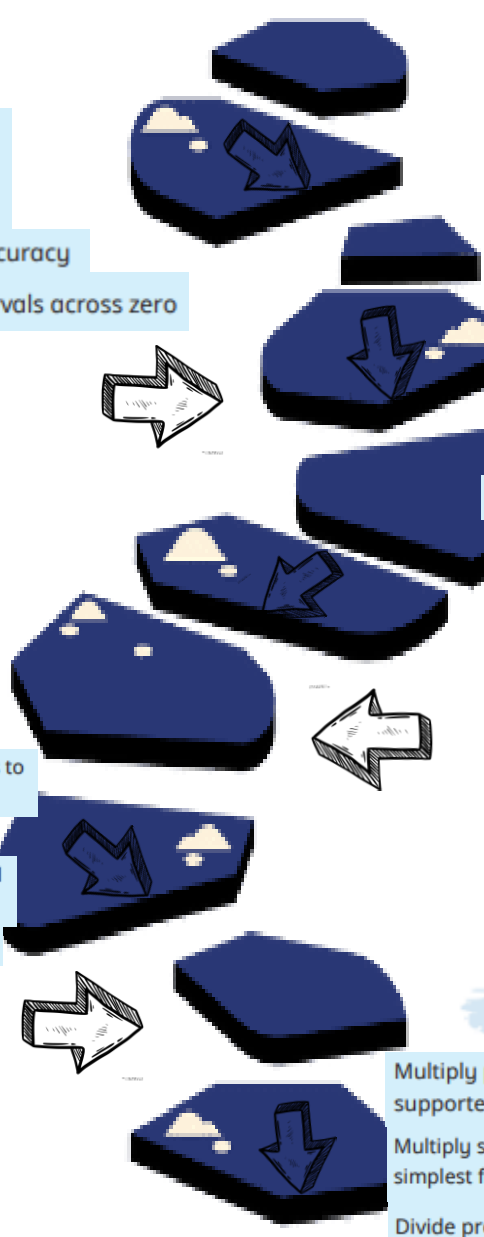
Converting Units



Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate

Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places

Assessment:
Test:



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 Addition and Subtraction

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 Multiplication and division

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Solve problems involving addition, subtraction, multiplication and division

Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

Identify common factors, common multiples and prime numbers

Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication

Perform mental calculations, including with mixed operations and large numbers

Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context

Use their knowledge of the order of operations to carry out calculations involving the four operations

Assessment:
Test:

Fractions B



Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5)

Multiply simple pairs of proper fractions, writing the answer in its simplest form

Divide proper fractions by whole numbers

Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

Solve problems involving addition, subtraction, multiplication and division

Associate a fraction with division and calculate decimal fraction equivalents

Assessment:
Test:

Number and Place value	Addition, subtraction, multiplication and division	Geometry (position and direction and properties of shape)	Fractions, decimals and percentages	Algebra	Data/Statistics
Numbers to 10 million	Order of Operations Bidmas Common factors Common multiples	Four quadrants Vertically opposite (angles) Circumference Radius Diameter	Degree of accuracy Simplify	Linear number Sequence Substitute Variables Symbol Known values	Mean Pie chart Construct

Year 5 / 6 maths' Pathway (WRM)

Autumn	Number Place value	Number Addition and subtraction	Number Multiplication and division A	Number Fractions A	Autumn	Number Place value	Number Addition, subtraction, multiplication and division	Number Fractions A	Number Fractions B	Measurement Converting units
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Place Value



Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals

Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit

Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000

Solve number problems and practical problems involving the above

Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000

Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit

Solve number and practical problems that involve the above

Round any whole number to a required degree of accuracy

Use negative numbers in context, and calculate intervals across zero

Assessment:
Test:

Multiplication and Division



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

Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes

Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers

Establish whether a number up to 100 is prime and recall prime numbers up to 19

Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000

Multiply and divide numbers mentally, drawing upon known facts

Identify common factors, common multiples and prime numbers

Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication

Perform mental calculations, including with mixed operations and large numbers

Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context

Use their knowledge of the order of operations to carry out calculations involving the four operations

Assessment:
Test:

Converting Units



Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate

Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places

Assessment:
Test:

+ - Addition and Subtraction

Add and subtract numbers mentally with increasingly large numbers

Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction)

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000

Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Solve problems involving addition, subtraction, multiplication and division

Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

Assessment:
Test:

Fractions $\frac{1}{3}$

Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths

Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number

Compare and order fractions whose denominators are all multiples of the same number

Add and subtract fractions with the same denominator, and denominators that are multiples of the same number

Use common factors to simplify fractions; use common multiples to express fractions in the same denomination

Compare and order fractions, including fractions > 1

Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

Identify common factors, common multiples and prime numbers

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Solve problems involving addition, subtraction, multiplication and division

Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5)

Multiply simple pairs of proper fractions, writing the answer in its simplest form

Divide proper fractions by whole numbers

Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

Solve problems involving addition, subtraction, multiplication and division

Associate a fraction with division and calculate decimal fraction equivalents

Assessment:
Test: