EYFS Maths Journey (WRM)

Getting to know you

Opportunities for settling in, introducing the areas of provision and getting to know the children.

Key times of day, class routines. Exploring the continuous provision inside and out. Where do things belong? Positional language.

Just Like Me

- Number: Match and sort, Compare amounts
- Measure, Shape and Spatial Thinking: Compare size, mass & capacity, Exploring pattern

It's Me 1, 2, 3

- Representing 1, 2 & 3, Comparing 1, 2 & 3, Composition of 1, 2 & 3
- Circles and triangles, Positional language

Light and Dark

- Representing numbers to 5. One more and less.
- Shapes with 4 sides. Time

Alive in 5

- Introducing Zero, Comparing Numbers to 5, Composition of 4 & 5
- Compare Mass (2), Compare Capacity (2)

Growing 6, 7, 8

- 6, 7 & 8, Making Pairs, Combining 2 Groups
- Length & Height, Time

Building 9 and 10

- 9 & 10, Comparing Numbers to 10, Bonds to 10
- 3d-Shape Pattern (2)

To 20 and beyond!

- Building Numbers Beyond 10, Counting Patterns Beyond 10
- Spatial Reasoning (1) Match, Rotate, Manipulate

First, then, now

- Adding More, Taking Away
- Spatial Reasoning (2) Compose and Decompose

Find my pattern

- Doubling, Sharing & Grouping, Even and Odd
- Spatial Reasoning (3) Visualise and Build

On the move

- Deepening Understanding, Patterns and Relationships
- Spatial Reasoning (4) Mapping

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

Year 1 Spring Journey

Place value within 20

Step 1 Count within 20
Step 2 Understand 10
Step 3 Understand 11, 12 and 13
Step 4 Understand 14, 15 and 16
Step 5 Understand 17, 18 and 19
Step 6 Understand 20
Step 7 1 more and 1 less
Step 8 The number line to 20
Step 9 Use a number line to 20
Step 10 Estimate on a number line to 20
Step 11 Compare numbers to 20
Step 12 Order numbers to 20

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

Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s

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

Given a number, identify 1 more and 1 less

Addition and Subtraction

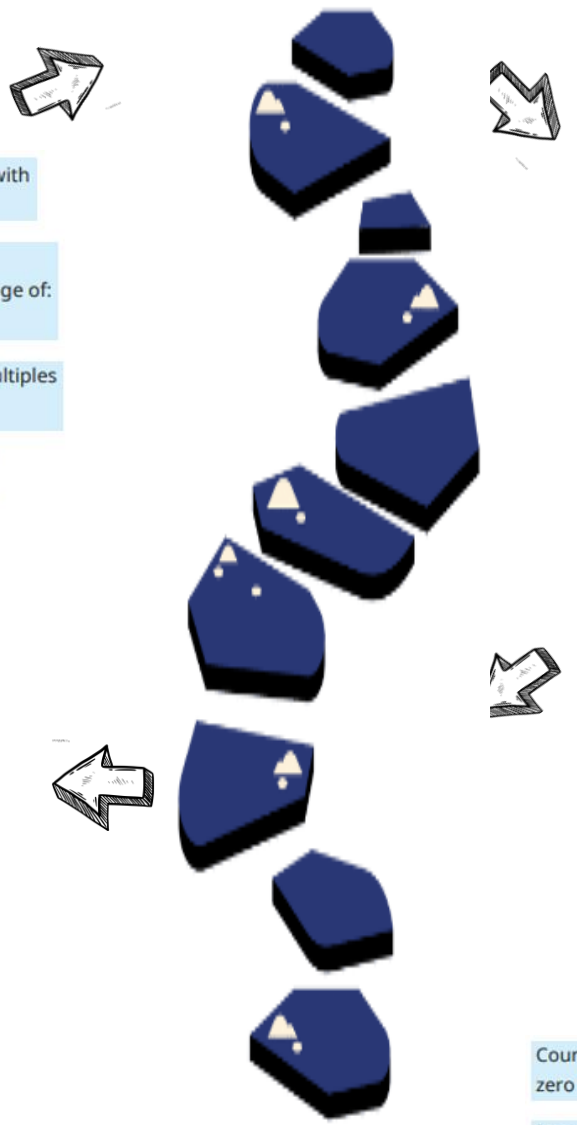
Step 1 Add by counting on within 20
Step 2 Add ones using number bonds
Step 3 Find and make number bonds to 20
Step 4 Doubles
Step 5 Near doubles
Step 6 Subtract ones using number bonds
Step 7 Subtraction – counting back
Step 8 Subtraction – finding the difference
Step 9 Related facts
Step 10 Missing number problems

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

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

Represent and use number bonds and related subtraction facts within 20

Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9



Measures

Length and height
Step 1 Compare lengths and heights
Step 2 Measure length using objects
Step 3 Measure length in centimetres

Mass and volume
Step 1 Heavier and lighter
Step 2 Measure mass
Step 3 Compare mass
Step 4 Full and empty
Step 5 Compare volume
Step 6 Measure capacity
Step 7 Compare capacity

Compare, describe and solve practical problems for: lengths and height; mass/weight; capacity and volume; time

Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume; time

Place value within 50

Step 1 Count from 20 to 50
Step 2 20, 30, 40 and 50
Step 3 Count by making groups of tens
Step 4 Groups of tens and ones
Step 5 Partition into tens and ones
Step 6 The number line to 50
Step 7 Estimate on a number line to 50
Step 8 1 more, 1 less

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

Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s

Given a number, identify 1 more and 1 less

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

Year 2 Spring Journey

Money

Step 1 Count money – pence
Step 2 Count money – pounds (notes and coins)
Step 3 Count money – pounds and pence
Step 4 Choose notes and coins
Step 5 Make the same amount
Step 6 Compare amounts of money
Step 7 Calculate with money Step 8 Make a pound

Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value

Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

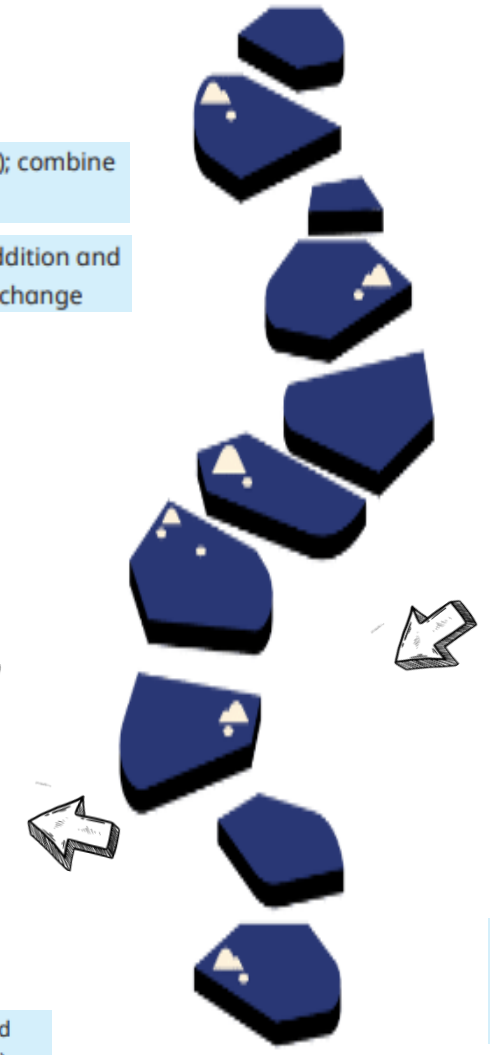
Multiplication and division

Step 1 Recognise equal groups
Step 2 Make equal groups
Step 3 Add equal groups
Step 4 Introduce the multiplication symbol
Step 5 Multiplication sentences
Step 6 Use arrays
Step 7 Make equal groups – grouping
Step 8 Make equal groups – sharing
Step 9 The 2 times-table
Step 10 Divide by 2
Step 11 Doubling and halving
Step 12 Odd and even numbers
Step 13 The 10 times-table
Step 14 Divide by 10
Step 15 The 5 times-table
Step 16 Divide by
5tep 17 The 5 and 10 times-tables

Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs

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

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



Measures-Mass, capacity and temperature

Step 1 Compare mass
Step 2 Measure in grams
Step 3 Measure in kilograms
Step 4 Four operations with mass
Step 5 Compare volume and capacity
Step 6 Measure in millilitres
Step 7 Measure in litres
Step 8 Four operations with volume and capacity
Step 9 Temperature

Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels

Compare and order lengths, mass, volume/capacity and record the results using >, < and =

Measures-Length and height

Step 1 Measure in centimetres
Step 2 Measure in metres
Step 3 Compare lengths and heights
Step 4 Order lengths and heights
Step 5 Four operations with lengths and heights

Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels

Compare and order lengths, mass, volume/capacity and record the results using >, < and =

Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures

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

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

Year 3 Spring Journey

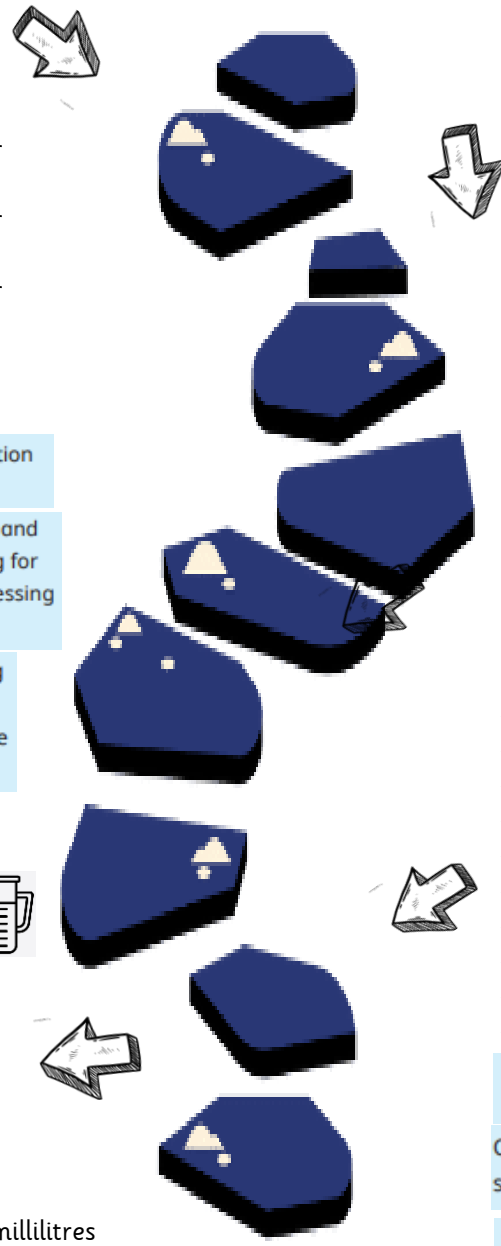
Multiplication and division

Step 1 Multiples of 10
Step 2 Related calculations
Step 3 Reasoning about multiplication
Step 4 Multiply a 2-digit number by a 1-digit number – no exchange
Step 5 Multiply a 2-digit number by a 1-digit number – with exchange
Step 6 Link multiplication and division
Step 7 Divide a 2-digit number by a 1-digit number – no exchange
Step 8 Divide a 2-digit number by a 1-digit number – flexible partitioning
Step 9 Divide a 2-digit number by a 1-digit number – with remainders
Step 10 Scaling
Step 11 How many ways?

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

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

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 objects



Measures-Length and Perimeter

Step 1 Measure in metres and centimetres
Step 2 Measure in millimetres
Step 3 Measure in centimetres and millimetres
Step 4 Metres, centimetres and millimetres
Step 5 Equivalent lengths (metres and centimetres)
Step 6 Equivalent lengths (centimetres and millimetres)
Step 7 Compare lengths
Step 8 Add lengths Small steps
Step 9 Subtract lengths
Step 10 What is perimeter?
Step 11 Measure perimeter
Step 12 Calculate perimeter

Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

Measure the perimeter of simple 2-D shapes

Fractions

Step 1 Understand the denominators of unit fractions
Step 2 Compare and order unit fractions
Step 3 Understand the numerators of non-unit fractions
Step 4 Understand the whole
Step 5 Compare and order non-unit fractions
Step 6 Fractions and scales
Step 7 Fractions on a number line
Step 8 Count in fractions on a number line
Step 9 Equivalent fractions on a number line
Step 10 Equivalent fractions as bar models

Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators

Compare and order unit fractions, and fractions with the same denominators

Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators

Recognise and show, using diagrams, equivalent fractions with small denominators

Measures-Mass and Capacity

Step 1 Use scales
Step 2 Measure mass in grams
Step 3 Measure mass in kilograms and grams
Step 4 Equivalent masses (kilograms and grams)
Step 5 Compare mass
Step 6 Add and subtract mass
Step 7 Measure capacity and volume in millilitres
Step 8 Measure capacity and volume in litres and millilitres
Step 9 Equivalent capacities and volumes (litres and millilitres)
Step 10 Compare capacity and volume
Step 11 Add and subtract capacity and volume

Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

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

Year 4 Spring Journey

Multiplication and division

Step 1 Factor pairs
Step 2 Use factor pairs
Step 3 Multiply by 10
Step 4 Multiply by 100
Step 5 Divide by 10
Step 6 Divide by 100
Step 7 Related facts – multiplication and division
Step 8 Informal written methods for multiplication
Step 9 Multiply a 2-digit number by a 1-digit number
Step 10 Multiply a 3-digit number by a 1-digit number
Step 11 Divide a 2-digit number by a 1-digit number (1)
Step 12 Divide a 2-digit number by a 1-digit number (2)
Step 13 Divide a 3-digit number by a 1-digit number
Step 14 Correspondence problems Step 15 Efficient multiplication

Recognise and use factor pairs and commutativity in mental calculations

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

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 (Y5)

Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout

Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers

Decimals

Step 1 Tenths as fractions
Step 2 Tenths as decimals
Step 3 Tenths on a place value chart
Step 4 Tenths on a number line
Step 5 Divide a 1-digit number by 10
Step 6 Divide a 2-digit number by 10
Step 7 Hundredths as fractions
Step 8 Hundredths as decimals
Step 9 Hundredths on a place value chart
Step 10 Divide a 1- or 2-digit number by 100

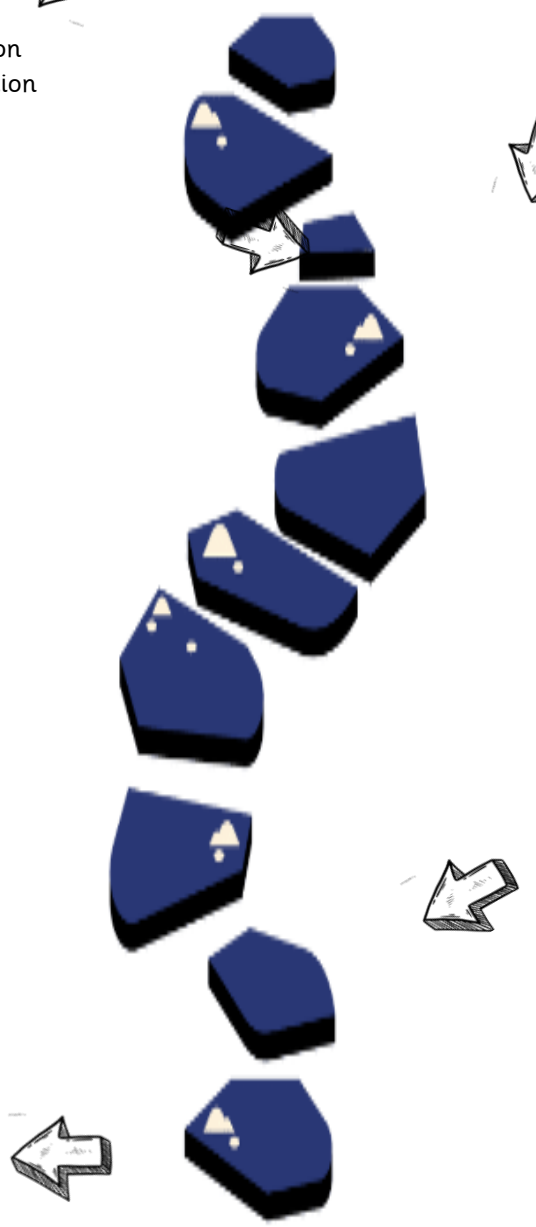
Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10 (Y3)

Recognise and write decimal equivalents of any number of tenths or hundredths

Compare numbers with the same number of decimal places up to 2 decimal places

Find the effect of dividing a 1- or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths

Recognise and show, using diagrams, families of common equivalent fractions



Measures-Length and Perimeter

Step 1 Measure in kilometres and metres
Step 2 Equivalent lengths (kilometres and metres)
Step 3 Perimeter on a grid
Step 4 Perimeter of a rectangle
Step 5 Perimeter of rectilinear shapes
Step 6 Find missing lengths in rectilinear shapes
Step 7 Calculate perimeter of rectilinear shapes
Step 8 Perimeter of regular
Step 9 Perimeter of polygons

Convert between different units of measure [for example, kilometre to metre; hour to minute]

Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

Fractions

Step 1 Understand the whole
Step 2 Count beyond 1
Step 3 Partition a mixed number
Step 4 Number lines with mixed numbers
Step 5 Compare and order mixed numbers
Step 6 Understand improper fractions
Step 7 Convert mixed numbers to improper fractions
Step 8 Convert improper fractions to mixed numbers
Step 9 Equivalent fractions on a number line
Step 10 Equivalent fraction families
Step 11 Add two or more fractions
Step 12 Add fractions and mixed numbers
Step 13 Subtract two fractions
Step 14 Subtract from whole amounts
Step 15 Subtract from mixed numbers

Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (Y3)

Recognise and show, using diagrams, families of common equivalent fractions

Add and subtract fractions with the same denominator

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

Year 5 Spring Journey

Multiplication and division

Step 1 Multiply up to a 4-digit number by a 1-digit number
Step 2 Multiply a 2-digit number by a 2-digit number (area model)
Step 3 Multiply a 2-digit number by a 2-digit number
Step 4 Multiply a 3-digit number by a 2-digit number
Step 5 Multiply a 4-digit number by a 2-digit number
Step 6 Solve problems with multiplication
Step 7 Short division
Step 8 Divide a 4-digit number by a 1-digit number
Step 9 Divide with remainders
Step 10 Efficient division
Step 11 Solve problems with multiplication and division

Multiply numbers up to four digits by a 1- or 2-digit number using a formal written method, including long multiplication for 2-digit numbers

Divide up to four digits by a 1-digit number using the formal written method of short division and interpret remainders appropriately for the context

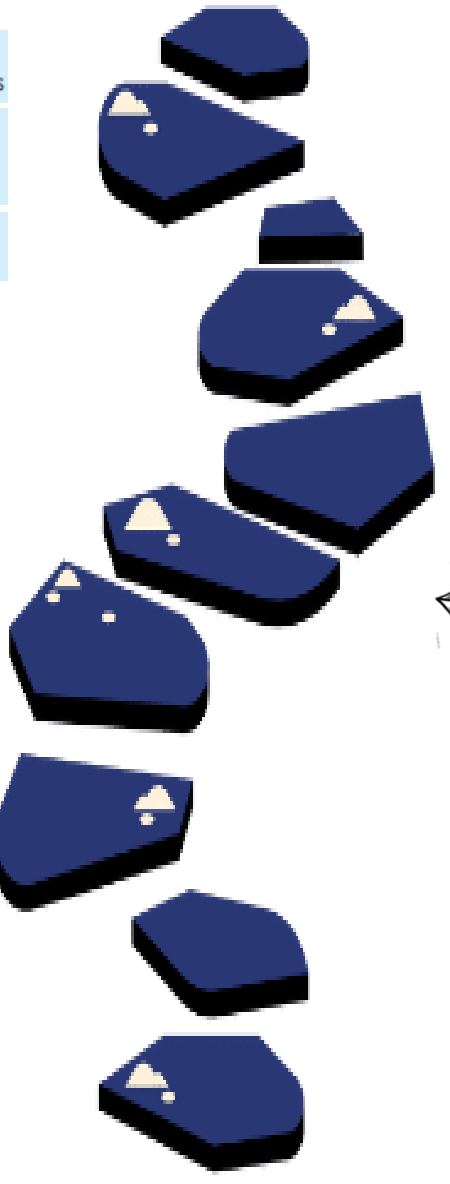
Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes

Fractions

Step 1 Multiply a unit fraction by an integer
Step 2 Multiply a non-unit fraction by an integer
Step 3 Multiply a mixed number by an integer
Step 4 Calculate a fraction of a quantity
Step 5 Fraction of an amount
Step 6 Find the whole
Step 7 Use fractions as operators

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

Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number (Y4)



Statistics

Step 1 Draw line graphs
Step 2 Read and interpret line graphs
Step 3 Read and interpret tables
Step 4 Two-way tables
Step 5 Read and interpret timetables

Solve comparison, sum and difference problems using information presented in a line graph

Complete, read and interpret information in tables, including timetables

Decimals and Percentages

Step 1 Decimals up to 2 decimal places
Step 2 Equivalent fractions and decimals (tenths)
Step 3 Equivalent fractions and decimals (hundredths)
Step 4 Equivalent fractions and decimals
Step 5 Thousandths as fractions
Step 6 Thousandths as decimals
Step 7 Thousandths on a place value chart
Step 8 Order and compare decimals (same number of decimal places)
Step 9 Order and compare any decimals with up to 3 decimal places
Step 10 Round to the nearest whole number
Step 11 Round to 1 decimal place
Step 12 Understand percentages
Step 13 Percentages as fractions
Step 14 Percentages as decimals
Step 15 Equivalent fractions, decimals and percentages

Read, write, order and compare numbers with up to 3 decimal places

Read and write decimal numbers as fractions

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

Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25

Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents

Solve problems involving numbers up to 3 decimal places

Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place

Recognise the per cent symbol (%) and understand that per cent relates to "number of parts per 100", and write percentages as a fraction with denominator 100, and as a decimal fraction

Perimeter and Area

Step 1 Perimeter of rectangles
Step 2 Perimeter of rectilinear shapes
Step 3 Perimeter of polygons
Step 4 Area of rectangles
Step 5 Area of compound shapes
Step 6 Estimate area

Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres

Calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm^2) and square metres (m^2), and estimate the area of irregular shapes

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 Spring Journey

Ratio

Step 1 Add or multiply?
Step 2 Use ratio language
Step 3 Introduction to the ratio symbol
Step 4 Ratio and fractions
Step 5 Scale drawing
Step 6 Use scale factors
Step 7 Similar shapes
Step 8 Ratio problems
Step 9 Proportion problems
Step 10 Recipes

Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts

Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

Solve problems involving similar shapes where the scale factor is known or can be found

Statistics

Step 1 Line graphs Step 2 Dual bar charts
Step 3 Read and interpret pie charts Step 4 Pie charts with percentages
Step 5 Draw pie charts
Step 6 The mean

Interpret and construct pie charts and line graphs and use these to solve problems

Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs (Year 4)

Calculate and interpret the mean as an average

Area, Perimeter and Volume

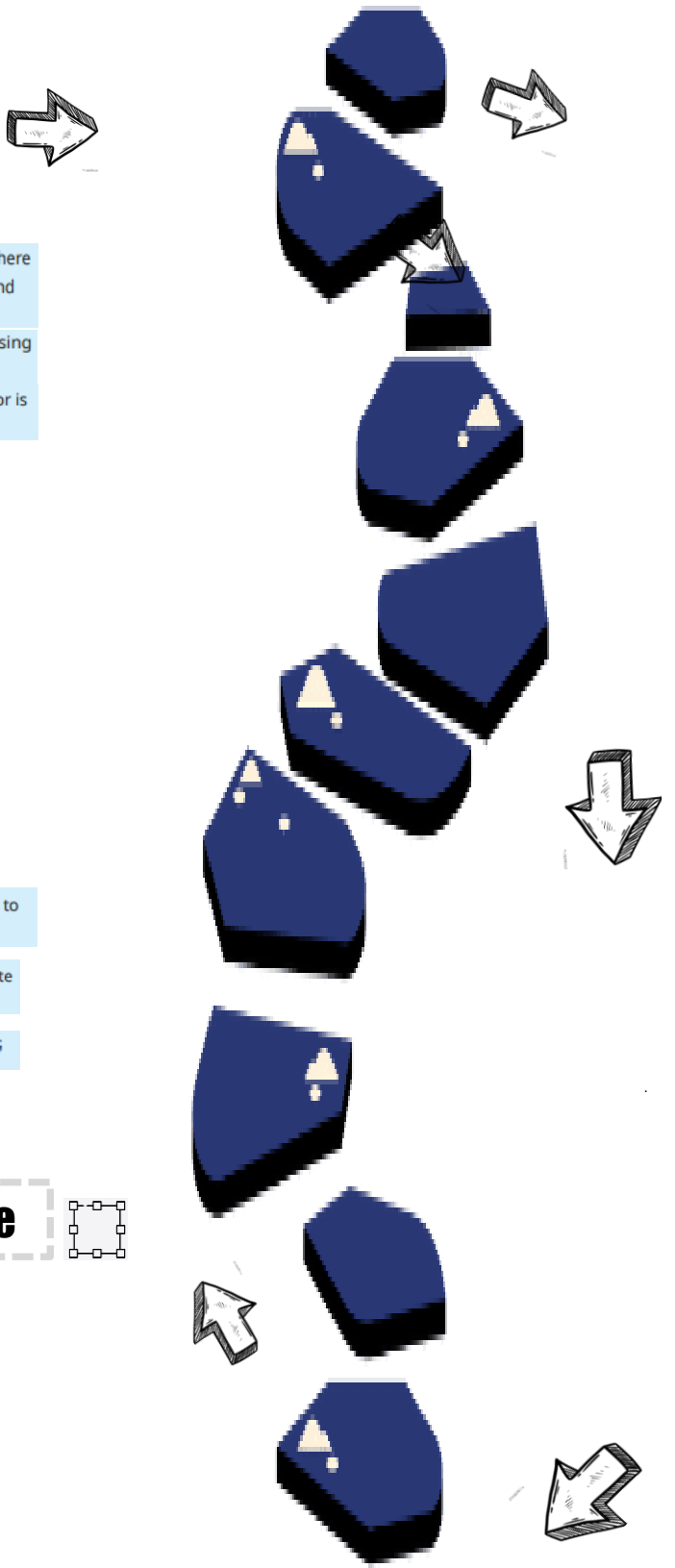
Step 1 Shapes – same area
Step 2 Area and perimeter
Step 3 Area of a triangle – counting squares
Step 4 Area of a right-angled triangle
Step 5 Area of any triangle
Step 6 Area of a parallelogram
Step 7 Volume – counting cubes
Step 8 Volume of a cuboid

Recognise that shapes with the same areas can have different perimeters and vice versa

Recognise when it is possible to use formulae for area and volume of shapes

Calculate the area of parallelograms and triangles

Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units



Algebra

Step 1 1-step function machines
Step 2 2-step function machines
Step 3 Form expressions
Step 4 Substitution
Step 5 Formulae
Step 6 Form equations
Step 7 Solve 1-step equations
Step 8 Solve 2-step equations
Step 9 Find pairs of values
Step 10 Solve problems with two unknowns

Use simple formulae

Generate and describe linear number sequences

Find pairs of numbers that satisfy an equation with two unknowns

Enumerate possibilities of combinations of two variables

Express missing number problems algebraically

Decimals

Step 1 Place value within 1
Step 2 Place value – integers and decimals
Step 3 Round decimals
Step 4 Add and subtract decimals
Step 5 Multiply by 10, 100 and 1,000
Step 6 Divide by 10, 100 and 1,000
Step 7 Multiply decimals by integers
Step 8 Divide decimals by integers
Step 9 Multiply and divide decimals in context

Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places

Solve problems which require answers to be rounded to specified degrees of accuracy

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

Multiply 1-digit numbers with up to 2 decimal places by whole numbers

Use written division methods in cases where the answer has up to 2 decimal places

Solve problems involving addition, subtraction, multiplication and division

F, D, P

Step 1 Decimal and fraction equivalents Step 2 Fractions as division
Step 3 Understand percentages
Step 4 Fractions to percentages
Step 5 Equivalent fractions, decimals and percentages
Step 6 Order fractions, decimals and percentages
Step 7 Percentage of an amount – one step Step 8 Percentage of an amount – multi-step
Step 9 Percentages – missing values

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

Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction

Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

Compare and order fractions, including fractions >1

Solve problems involving the calculation of percentages and the use of percentages for comparison

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