MindsetCounts

Course Structure: A Skill-Based Pathway Overview

Place Value – Chapter 1 to Chapter 7

Addition & Subtraction – Chapter 8 to Chapter 12

Multiplication & Division – Chapter 13 to Chapter 19

Perimeter, Area & Measurement – Chapter 20 to Chapter 23

Fractions – Chapter 24 to Chapter 29

Mass, Capacity & Volume – Chapter 30 to Chapter 32

Money – Chapter 33 to Chapter 36

Time – Chapter 37 to Chapter 40

Shape – Chapter 41 to Chapter 45

Statistics – Chapter 46 to Chapter 48

Decimals & Percentages – Chapter 49 to Chapter 53

Position and Direction – Chapter 54 to Chapter 56

Negative Numbers – Chapter 57

Place Value

Chapter 1: Place Value Representing & Understanding Numbers

This chapter is about understanding what digits in a number are worth and showing numbers in different ways.

- **Year 3:** Represent numbers to 100
- **Year 3:** Hundreds
- **Year 3:** Represent numbers to 1,000
- **Year 3:** Hundreds, tens and ones
- **Year 4:** Represent numbers to 1,000
- **Year 4:** Thousands
- **Year 4:** Represent numbers to 10,000
- **Year 5:** Numbers to 10,000
- **Year 5:** Numbers to 100,000
- **Year 5:** Numbers to 1,000,000
- **Year 5:** Read and write numbers to 1,000,000

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Chapter 2: Partitioning Numbers

This chapter focuses on breaking numbers down into their component parts (e.g., thousands, hundreds, tens, and ones).

- **Year 3:** Partition numbers to 100
- **Year 3:** Partition numbers to 1,000
- **Year 3:** Flexible partitioning of numbers to 1,000
- **Year 4:** Partition numbers to 1,000
- **Year 4:** Partition numbers to 10,000
- **Year 4:** Flexible partitioning of numbers to 10,000
- **Year 5:** Partition numbers to 1,000,000

Chapter 3: The Number Line

This chapter is all about understanding how numbers sit in relation to each other and using number lines to estimate.

- **Year 3:** Number line to 100
- **Year 3:** Number line to 1,000
- **Year 3:** Estimate on a number line to 1,000
- **Year 3:** Count in 50s
- **Year 4:** Number line to 1,000
- **Year 4:** Number line to 10,000
- **Year 4:** Estimate on a number line to 10,000
- **Year 5:** Number line to 1,000,000

Chapter 4: Comparing & Ordering Numbers

This chapter focuses on using place value to determine which numbers are bigger or smaller and putting them in the correct order.

- **Year 3:** Find 1, 10 or 100 more or less
- **Year 3:** Compare numbers to 1,000
- **Year 3:** Order numbers to 1,000
- **Year 4:** Find 1, 10, 100, 1,000 more or less
- **Year 4:** Compare numbers to 10,000

- **Year 4:** Order numbers to 10,000
- **Year 5:** 10/100/1,000/10,000/100,000 more or less
- **Year 5:** Compare and order numbers to 100,000
- **Year 5:** Compare and order numbers to 1,000,000

Chapter 5: Rounding Numbers

This chapter is all about approximating numbers to the nearest 10, 100, or 1,000 to make them easier to work with.

- **Year 4:** Round to the nearest 10
- **Year 4:** Round to the nearest 100
- **Year 4:** Round to the nearest 1,000
- **Year 4:** Round to the nearest 10, 100 or 1,000
- **Year 5:** Round to the nearest 10, 100 or 1,000
- **Year 5:** Round within 100,000
- **Year 5:** Round within 1,000,000

Chapter 6: Roman Numerals

This chapter focuses on understanding and using the Roman system for writing numbers.

- **Year 4:** Roman numerals
- **Year 5:** Roman numerals to 1,000

Chapter 7: Powers of 10

This chapter explores the relationship between place value columns and multiplying by 10, 100, and 1,000.

- **Year 5:** Powers of 10

Addition & Subtraction

Chapter 8: Mental Calculation Strategies

This chapter builds the foundational skills for calculating in your head, starting with number bonds and moving to adding and subtracting 1s, 10s, 100s, and 1,000s.

- **Year 3:** Apply number bonds within 10

- **Year 3:** Add and subtract 1s
- **Year 3:** Add and subtract 10s
- **Year 3:** Add and subtract 100s
- **Year 3:** Spot the pattern
- **Year 3:** Add 1s across a 10
- **Year 3:** Add 10s across a 100
- **Year 3:** Subtract 1s across a 10
- **Year 3:** Subtract 10s across a 100
- **Year 3:** Make connections
- **Year 4:** Add and subtract 1s, 10s, 100s and 1,000s
- **Year 5:** Mental strategies

Chapter 9: Formal Written Method - Addition

This chapter provides a step-by-step guide to the column method for addition, starting with no exchanging and progressing to adding numbers with more than four digits.

- **Year 3:** Add two numbers (no exchange)
- **Year 3:** Add two numbers (across a 10)
- **Year 3:** Add two numbers (across a 100)
- **Year 3:** Add 2-digit and 3-digit numbers
- **Year 4:** Add up to two 4-digit numbers – no exchange
- **Year 4:** Add two 4-digit numbers – one exchange
- **Year 4:** Add two 4-digit numbers – more than one exchange
- **Year 5:** Add whole numbers with more than four digits

Chapter 10: Formal Written Method - Subtraction

This chapter provides a step-by-step guide to the column method for subtraction, building the skill of exchanging from simple problems up to large numbers.

- **Year 3:** Subtract two numbers (no exchange)
- **Year 3:** Subtract two numbers (across a 10)
- **Year 3:** Subtract two numbers (across a 100)

- **Year 3:** Subtract a 2-digit number from a 3-digit number
- **Year 4:** Subtract two 4-digit numbers – no exchange
- **Year 4:** Subtract two 4-digit numbers – one exchange
- **Year 4:** Subtract two 4-digit numbers – more than one exchange
- **Year 4:** Efficient subtraction
- **Year 5:** Subtract whole numbers with more than four digits

Chapter 11: Checking Answers

This chapter focuses on the crucial skills of estimating and using inverse operations to check if an answer makes sense and is accurate.

- **Year 3:** Complements to 100
- **Year 3:** Estimate answers
- **Year 3:** Inverse operations
- **Year 4:** Estimate answers
- **Year 4:** Checking strategies
- **Year 5:** Round to check answers
- **Year 5:** Inverse operations (addition and subtraction)

Chapter 12: Applying Your Skills (Problem Solving)

This final chapter uses all the skills from the previous chapters to solve more complex problems, including multi-step problems and finding missing numbers.

- **Year 3:** Make decisions
- **Year 5:** Multi-step addition and subtraction problems
- **Year 5:** Compare calculations
- **Year 5:** Find missing numbers

Multiplication & Division

Chapter 13: The Foundations of Multiplication & Division

This chapter introduces the core concepts of what multiplication and division are, using equal groups, arrays, and sharing.

- **Year 3:** Multiplication - equal groups

- **Year 3:** Use arrays
- **Year 3:** Sharing and grouping
- **Year 3:** Link multiplication and division

Chapter 14: Learning the Times Tables

This chapter is dedicated to building fluency with the times tables and their related division facts, following a logical progression.

- **Year 3:** Multiples of 2
- **Year 3:** Multiples of 5 and 10
- **Year 3:** Multiply by 3
- **Year 3:** Divide by 3
- **Year 3:** The 3 times-table
- **Year 3:** Multiply by 4
- **Year 3:** Divide by 4
- **Year 3:** The 4 times-table
- **Year 3:** Multiply by 8
- **Year 3:** Divide by 8
- **Year 3:** The 8 times-table
- **Year 3:** The 2, 4 and 8 times-tables
- **Year 4:** Multiples of 3
- **Year 4:** Multiply and divide by 6
- **Year 4:** 6 times-table and division facts
- **Year 4:** Multiply and divide by 9
- **Year 4:** 9 times-table and division facts
- **Year 4:** The 3, 6 and 9 times-tables
- **Year 4:** Multiply and divide by 7
- **Year 4:** 7 times-table and division facts
- **Year 4:** 11 times-table and division facts
- **Year 4:** 12 times-table and division facts

Chapter 15: Mental Multiplication & Division Strategies

This chapter focuses on using known facts, factor pairs, and place value to multiply and divide mentally.

- **Year 3:** Multiples of 10

- **Year 3:** Related calculations
- **Year 3:** Reasoning about multiplication
- **Year 4:** Factor pairs
- **Year 4:** Use factor pairs
- **Year 4:** Multiply by 10
- **Year 4:** Multiply by 100
- **Year 4:** Divide by 10
- **Year 4:** Divide by 100
- **Year 4:** Related facts – multiplication and division
- **Year 5:** Multiply by 10, 100 and 1,000
- **Year 5:** Divide by 10, 100 and 1,000
- **Year 5:** Multiples of 10, 100 and 1,000

Chapter 16: Formal Written Method - Multiplication

This chapter provides a step-by-step guide to formal multiplication, from multiplying 2-digits by 1-digit up to multiplying 4-digits by 2-digits.

- **Year 3:** Multiply a 2-digit number by a 1-digit number – no exchange
- **Year 3:** Multiply a 2-digit number by a 1-digit number – with exchange
- **Year 4:** Informal written methods for multiplication
- **Year 4:** Multiply a 2-digit number by a 1-digit number
- **Year 4:** Multiply a 3-digit number by a 1-digit number
- **Year 4:** Multiply three numbers
- **Year 4:** Efficient multiplication
- **Year 5:** Multiply up to a 4-digit number by a 1-digit number
- **Year 5:** Multiply a 2-digit number by a 2-digit number (area model)
- **Year 5:** Multiply a 2-digit number by a 2-digit number
- **Year 5:** Multiply a 3-digit number by a 2-digit number
- **Year 5:** Multiply a 4-digit number by a 2-digit number

Chapter 17: Formal Written Method - Division

This chapter builds division skills, from partitioning and sharing up to formal short division with remainders.

- **Year 3:** Divide a 2-digit number by a 1-digit number – no exchange
- **Year 3:** Divide a 2-digit number by a 1-digit number – flexible partitioning
- **Year 3:** Divide a 2-digit number by a 1-digit number – with remainders
- **Year 4:** Divide a 2-digit number by a 1-digit number (1)
- **Year 4:** Divide a 2-digit number by a 1-digit number (2)
- **Year 4:** Divide a 3-digit number by a 1-digit number
- **Year 5:** Short division
- **Year 5:** Divide a 4-digit number by a 1-digit number
- **Year 5:** Divide with remainders
- **Year 5:** Efficient division

Chapter 18: Properties of Numbers & Special Rules

This chapter explores the relationships between numbers, including factors, primes, squares, and cubes, as well as the special rules for multiplying and dividing by 1 and 0.

- **Year 4:** Multiply by 1 and 0
- **Year 4:** Divide a number by 1 and itself
- **Year 5:** Multiples
- **Year 5:** Common multiples
- **Year 5:** Factors
- **Year 5:** Common factors
- **Year 5:** Prime numbers
- **Year 5:** Square numbers
- **Year 5:** Cube numbers

Chapter 19: Applying Your Skills (Problem Solving)

This final chapter uses all the skills from the previous chapters to solve more complex, multi-step problems.

- **Year 3:** Scaling
- **Year 3:** How many ways?
- **Year 4:** Correspondence problems

- **Year 5:** Solve problems with multiplication
- **Year 5:** Solve problems with multiplication and division

Perimeter, Area & Measurement

Chapter 20: Measuring & Converting Length

This chapter builds a solid foundation in understanding different units of length and how to convert between them.

- **Year 3:** Measure in metres and centimetres
- **Year 3:** Measure in millimetres
- **Year 3:** Measure in centimetres and millimetres
- **Year 3:** Metres, centimetres and millimetres
- **Year 3:** Equivalent lengths (metres and centimetres)
- **Year 3:** Equivalent lengths (centimetres and millimetres)
- **Year 3:** Compare lengths
- **Year 3:** Add lengths
- **Year 3:** Subtract lengths
- **Year 4:** Measure in kilometres and metres
- **Year 4:** Equivalent lengths (kilometres and metres)
- **Year 5:** Kilograms and kilometres
- **Year 5:** Millimetres and millilitres
- **Year 5:** Convert units of length
- **Year 5:**Convert between metric and imperial units

Chapter 21: Calculating Perimeter

This chapter introduces the concept of perimeter and builds the skills needed to calculate the perimeter of increasingly complex shapes.

- **Year 3:** What is perimeter?
- **Year 3:** Measure perimeter
- **Year 3:** Calculate perimeter
- **Year 4:** Perimeter on a grid
- **Year 4:** Perimeter of a rectangle

- **Year 4:** Perimeter of rectilinear shapes
- **Year 4:** Find missing lengths in rectilinear shapes
- **Year 4:** Calculate perimeter of rectilinear shapes
- **Year 4:** Perimeter of regular polygons
- **Year 4:** Perimeter of polygons
- **Year 5:** Perimeter of rectangles
- **Year 5:** Perimeter of rectilinear shapes
- **Year 5:** Perimeter of polygons

Chapter 22: Calculating Area

This chapter introduces area, starting with the basics of counting squares and progressing to calculating the area of rectangles and compound shapes.

- **Year 4:** What is area?
- **Year 4:** Count squares
- **Year 4:** Make shapes
- **Year 4:** Compare areas
- **Year 5:** Area of rectangles
- **Year 5:** Area of compound shapes
- **Year 5:** Estimate area

Chapter 23: Time (Converting Units)

This chapter focuses specifically on the important life skill of converting and calculating with units of time.

- **Year 5:** Convert units of time
- **Year 5:** Calculate with timetables

Fractions

Chapter 24: The Foundations of Fractions

This chapter introduces the core concepts of what fractions are, including the roles of the numerator and denominator, and how to represent fractions on a number line.

- **Year 3:** Understand the denominators of unit fractions
- **Year 3:** Understand the numerators of non-unit fractions
- **Year 3:** Understand the whole
- **Year 3:** Fractions and scales
- **Year 3:** Fractions on a number line
- **Year 3:** Count in fractions on a number line
- **Year 4:** Understand the whole
- **Year 4:** Count beyond 1

Chapter 25: Equivalent Fractions

This chapter focuses on the crucial concept that different fractions can represent the same value.

- **Year 3:** Equivalent fractions on a number line
- **Year 3:** Equivalent fractions as bar models
- **Year 4:** Equivalent fractions on a number line
- **Year 4:** Equivalent fraction families
- **Year 5:** Find fractions equivalent to a unit fraction
- **Year 5:** Find fractions equivalent to a non-unit fraction
- **Year 5:** Recognise equivalent fractions

Chapter 26: Improper Fractions & Mixed Numbers

This chapter explores fractions greater than one and teaches the skill of converting between improper fractions and mixed numbers.

- **Year 4:** Partition a mixed number
- **Year 4:** Number lines with mixed numbers
- **Year 4:** Compare and order mixed numbers
- **Year 4:** Understand improper fractions
- **Year 4:** Convert mixed numbers to improper fractions
- **Year 4:** Convert improper fractions to mixed numbers
- **Year 5:** Convert improper fractions to mixed numbers

- **Year 5:** Convert mixed numbers to improper fractions

Chapter 27: Comparing & Ordering Fractions

This chapter builds on previous skills to compare and order different types of fractions.

- **Year 3:** Compare and order unit fractions
- **Year 3:** Compare and order non-unit fractions
- **Year 5:** Compare fractions less than 1
- **Year 5:** Order fractions less than 1
- **Year 5:** Compare and order fractions greater than 1

Chapter 28: Adding & Subtracting Fractions

This chapter provides a step-by-step guide to adding and subtracting fractions, starting with simple cases and progressing to mixed numbers.

- **Year 3:** Add fractions
- **Year 3:** Subtract fractions
- **Year 4:** Add two or more fractions
- **Year 4:** Add fractions and mixed numbers
- **Year 4:** Subtract two fractions
- **Year 4:** Subtract from whole amounts
- **Year 4:** Subtract from mixed numbers
- **Year 5:** Add and subtract fractions with the same denominator
- **Year 5:** Add fractions within 1
- **Year 5:** Add fractions with total greater than 1
- **Year 5:** Add to a mixed number
- **Year 5:** Add two mixed numbers
- **Year 5:** Subtract fractions
- **Year 5:** Subtract from a mixed number
- **Year 5:** Subtract from a mixed number – breaking the whole
- **Year 5:** Subtract two mixed numbers

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Chapter 29: Fractions of Amounts & Multiplication

This final chapter focuses on finding fractions of quantities and multiplying fractions by whole numbers.

- **Year 3:** Partition the whole
- **Year 3:** Unit fractions of a set of objects
- **Year 3:** Non-unit fractions of a set of objects
- **Year 3:** Reasoning with fractions of an amount
- **Year 5:** Multiply a unit fraction by an integer
- **Year 5:** Multiply a non-unit fraction by an integer
- **Year 5:** Multiply a mixed number by an integer
- **Year 5:** Calculate a fraction of a quantity
- **Year 5:** Fraction of an amount
- **Year 5:** Find the whole
- **Year 5:** Use fractions as operators

Mass, Capacity & Volume

Chapter 30: Measuring Mass

This chapter focuses on understanding and calculating with units of mass (grams and kilograms).

- **Year 3:** Use scales
- **Year 3:** Measure mass in grams
- **Year 3:** Measure mass in kilograms and grams
- **Year 3:** Equivalent masses (kilograms and grams)
- **Year 3:** Compare mass
- **Year 3:** Add and subtract mass

Chapter 31: Measuring Capacity

This chapter introduces the concept of capacity and how to measure, compare, and calculate with it (millilitres and litres).

- **Year 3:** Measure capacity and volume in millilitres
- **Year 3:** Measure capacity and volume in litres and millilitres

- **Year 3:** Equivalent capacities and volumes (litres and millilitres)
- **Year 3:** Compare capacity and volume
- **Year 3:** Add and subtract capacity and volume
- **Year 5:** Estimate capacity

Chapter 32: Understanding Volume

This chapter builds a deeper understanding of volume, using cubic centimetres and estimation.

- **Year 5:** Cubic centimetres
- **Year 5:** Compare volume
- **Year 5:** Estimate volume

Money

Chapter 33: Understanding & Representing Money

This chapter focuses on the basics of pounds and pence and how to write amounts of money correctly.

- **Year 3:** Pounds and pence
- **Year 4:** Write money using decimals

Chapter 34: Converting Money

This chapter is all about the crucial skill of converting between pounds and pence.

- **Year 3:** Convert pounds and pence
- **Year 4:** Convert between pounds and pence

Chapter 35: Calculating with Money

This chapter builds the skills needed to add and subtract money, calculate change, and estimate totals.

- **Year 3:** Add money
- **Year 3:** Subtract money
- **Year 3:** Find change
- **Year 4:** Compare amounts of money

- **Year 4:** Estimate with money
- **Year 4:** Calculate with money

Chapter 36: Solving Problems with Money

This final chapter focuses on applying all the previously learned skills to solve real-world problems involving money.

- **Year 4:** Solve problems with money

Time

Chapter 37: Telling the Time

This chapter focuses on the fundamental skills of reading both analogue and digital clocks.

- **Year 3:** Roman numerals to 12
- **Year 3:** Tell the time to 5 minutes
- **Year 3:** Tell the time to the minute
- **Year 3**Read time on a digital clock
- **Year 3:** Use am and pm

Chapter 38: Understanding & Converting Units of Time

This chapter builds an understanding of the different units of time and the skills needed to convert between them.

- **Year 3:** Years, months and days
- **Year 3:** Days and hours
- **Year 3:** Minutes and seconds
- **Year 3:** Units of time
- **Year 4:** Years, months, weeks and days
- **Year 4:** Hours, minutes and seconds

Chapter 39: Converting Between Time Formats

This chapter focuses on the important skill of converting between analogue, digital, and 24-hour clock formats.

- **Year 4:** Convert between analogue and digital times

- **Year 4:** Convert to the 24-hour clock
- **Year 4:** Convert from the 24-hour clock

Chapter 40: Calculating with Time

This final chapter focuses on calculating start times, end times, and durations to solve problems.

- **Year 3:** Hours and minutes – use start and end times
- **Year 3:** Hours and minutes – use durations
- **Year 3:** Solve problems with time

Shape

Chapter 41: Angles

This chapter builds a deep understanding of angles, from identifying right angles to calculating angles around a point and on a straight line.

- **Year 3:** Turns and angles
- **Year 3:** Right angles
- **Year 3:** Compare angles
- **Year 4:** Understand angles as turns
- **Year 4:** Identify angles
- **Year 4:** Compare and order angles
- **Year 5:** Understand and use degrees
- **Year 5:** Classify angles
- **Year 5:** Estimate angles
- **Year 5:** Measure angles up to 180°
- **Year 5:** Calculate angles around a point
- **Year 5:** Calculate angles on a straight line
- **Year 5:** Lengths and angles in shapes

Chapter 42: Lines & Drawing

This chapter focuses on the properties of lines and the skill of drawing shapes and angles accurately.

- **Year 3:** Measure and draw accurately
- **Year 3:** Horizontal and vertical
- **Year 3:** Parallel and perpendicular
- **Year 5:** Draw lines and angles accurately

Chapter 43: 2-D Shapes

This chapter explores the properties of two-dimensional shapes, from basic recognition to classifying different types of polygons.

- **Year 3:** Recognise and describe 2-D shapes
- **Year 3:** Draw polygons
- **Year 4:** Triangles
- **Year 4:** Quadrilaterals
- **Year 4:** Polygons
- **Year 5:** Regular and irregular polygons

Chapter 44: 3-D Shapes

This chapter focuses on recognizing, describing, and making three-dimensional shapes.

- **Year 3:** Recognise and describe 3-D shapes
- **Year 3:** Make 3-D shapes
- **Year 5:** 3-D shapes

Chapter 45: Symmetry

This chapter introduces the concept of symmetry in 2-D shapes.

- **Year 4:** Lines of symmetry
- **Year 4:** Complete a symmetric figure

Statistics

Chapter 46: Pictograms & Bar Charts

This chapter builds a foundation in collecting and representing data, focusing on creating and interpreting pictograms and bar charts.

- **Year 3:** Interpret pictograms

- **Year 3:** Draw pictograms
- **Year 3:** Interpret bar charts
- **Year 3:** Draw bar charts
- **Year 3:** Collect and represent data
- **Year 4:** Interpret charts
- **Year 4:** Comparison, sum and difference

Chapter 47: Line Graphs

This chapter introduces line graphs, focusing on the skills needed to accurately draw and interpret them.

- **Year 4:** Interpret line graphs
- **Year 4:** Draw line graphs
- **Year 5:** Draw line graphs
- **Year 5:** Read and interpret line graphs

Chapter 48: Tables & Timetables

This chapter focuses on reading and interpreting information presented in different types of tables, including two-way tables and timetables.

- **Year 3:** Two-way tables
- **Year 5:** Read and interpret tables
- **Year 5:** Two-way tables
- **Year 5:** Read and interpret timetables

Decimals & Percentages

Chapter 49: Understanding & Representing Decimals

This chapter builds a solid foundation in understanding what decimals are and how they are represented, including tenths, hundredths, and thousandths.

- **Year 4:** Tenths on a place value chart
- **Year 4:** Tenths on a number line
- **Year 4:** Hundredths on a place value chart
- **Year 4:** Partition decimals

- **Year 4:** Flexibly partition decimals
- **Year 5:** Decimals up to 2 decimal places
- **Year 5:** Thousandths on a place value chart

Chapter 50: Fractions & Decimals

This chapter focuses on the crucial link between fractions and decimals.

- **Year 4:** Tenths as fractions
- **Year 4:** Tenths as decimals
- **Year 4:** Hundredths as fractions
- **Year 4:** Hundredths as decimals
- **Year 4:** Halves and quarters as decimals
- **Year 5:** Equivalent fractions and decimals (tenths)
- **Year 5:** Equivalent fractions and decimals (hundredths)
- **Year 5:** Equivalent fractions and decimals
- **Year 5:** Thousandths as fractions
- **Year 5:** Thousandths as decimals

Chapter 51: Comparing, Ordering & Rounding Decimals

This chapter develops the skills needed to compare, order, and round decimals.

- **Year 4:** Compare decimals
- **Year 4:** Order decimals
- **Year 4:** Round to the nearest whole number
- **Year 5:** Order and compare decimals (same number of decimal places)
- **Year 5:** Order and compare any decimals with up to 3 decimal places
- **Year 5:** Round to the nearest whole number
- **Year 5:** Round to 1 decimal place

Chapter 52: Calculating with Decimals

This chapter focuses on performing calculations with decimals, including complements to 1, addition, subtraction, and multiplying/dividing by powers of 10.

- **Year 4:** Divide a 1-digit number by 10

- **Year 4:** Divide a 2-digit number by 10
- **Year 4:** Divide a 1- or 2-digit number by 100
- **Year 4:** Make a whole with tenths
- **Year 4:** Make a whole with hundredths
- **Year 5:** Use known facts to add and subtract decimals within 1
- **Year 5:** Complements to 1
- **Year 5:** Add and subtract decimals across 1
- **Year 5:** Add decimals with the same number of decimal places
- **Year 5:** Subtract decimals with the same number of decimal places
- **Year 5:** Add decimals with different numbers of decimal places
- **Year 5:** Subtract decimals with different numbers of decimal places
- **Year 5:** Efficient strategies for adding and subtracting decimals
- **Year 5:** Decimal sequences
- **Year 5:** Multiply by 10, 100 and 1,000
- **Year 5:** Divide by 10, 100 and 1,000
- **Year 5:** Multiply and divide decimals – missing values

Chapter 53: Understanding Percentages

This final chapter introduces percentages and explores their relationship with fractions and decimals.

- **Year 5:** Understand percentages
- **Year 5:** Percentages as fractions
- **Year 5:** Percentages as decimals
- **Year 5:** Equivalent fractions, decimals and percentages

Position and Direction

Chapter 54: Coordinates

This chapter builds a solid foundation in understanding, plotting, and using coordinates to solve problems.

- **Year 4:** Describe position using coordinates
- **Year 4:** Plot coordinates

- **Year 4:** Draw 2-D shapes on a grid
- **Year 5:** Read and plot coordinates
- **Year 5:** Problem solving with coordinates

Chapter 55: Translation

This chapter introduces the concept of translation and how to describe movement on a grid using coordinates.

- **Year 4:** Translate on a grid
- **Year 4:** Describe translation on a grid
- **Year 5:** Translation
- **Year 5:** Translation with coordinates

Chapter 56: Symmetry & Reflection

This final chapter explores the concepts of symmetry and reflection in shapes on a grid.

- **Year 5:** Lines of symmetry
- **Year 5:** Reflection in horizontal and vertical lines

Negative Numbers

Chapter 57: Understanding Negative Numbers

This chapter introduces negative numbers and builds the skills needed to count, compare, and find the difference between them.

- **Year 5:** Understand negative numbers
- **Year 5:** Count through zero in 1s
- **Year 5:** Count through zero in multiples
- **Year 5:** Compare and order negative numbers
- **Year 5:** Find the difference