

Year 5 Sequenced Maths Journey



Intent . . . We Can, We Will

ALL Children Make
Exceptional Progress 

Literacy is the Key
to Unlocking Learning 

Fun with Memorable
Moments 

Feeling Safe and
Ready to Learn 

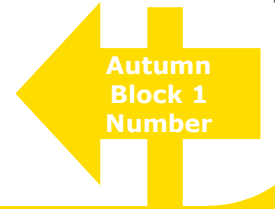
Empowered and
Autonomous 

Kind to Self and
Others 

All Pupils



Hundreds	Tens	Ones
H	T	O



Place Value

Read Roman numerals to 1000 and recognise years written in Roman numerals

Understand numbers to 10, 000

Understand numbers to one hundred thousand

Understand numbers to a million

Read and write numbers to one million

Count forwards in powers of 10

Count backwards in powers of 10

Round numbers within one million

Round to nearest 10,100,1000

Round numbers to the nearest 100

Round numbers to the nearest 10

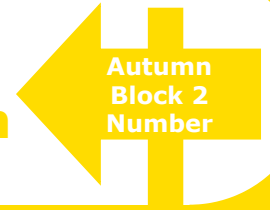
Compare and order numbers to one million

Compare and order numbers to 100,000

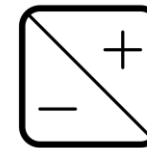
Understand number lines to one million

Partition numbers to 1,000,000

Find 10/100/1000/10000/100000 more or less



Addition & Subtraction



Mentally calculate sums using partitioning

Add whole numbers with more than 4 digits

Subtract whole numbers with more than 4 digits

Round calculations to check our answers

Use the inverse operation for addition and subtraction calculations

Understand how to solve multistep addition and subtraction problems

Find missing numbers

Year 5



Autumn Block 3 Number

Multiplication & Division

Identify multiples

Identify common multiples

Identify factors

Identify common factors

Identify prime numbers

Identify square numbers and use its notation

Identify cubed numbers and use its notation

Multiply by 10,100,1000



Autumn Block 4 Number

Fractions A

Compare fractions that are less than 1

Convert mixed numbers to improper fractions

Convert improper fractions to mixed numbers

Recognise equivalent fractions

Find fractions equivalent to a non-unit fraction

Find fractions equivalent to a unit fraction

Multiply by multiples of 10,100,1000

Divide numbers by 10,100,1000

Order fractions that are less than 1

Compare and order fractions greater than 1

Add and subtract fractions with the same denominator

Add fractions within 1 (different denominators)

Add fractions with a total greater than 1

Add to a mixed number

Add two mixed numbers

Subtract fractions with different denominators

Subtract from a mixed number

Subtract from a mixed number (breaking the whole)

Subtract two mixed numbers



Multiplication and division B

Spring Block 5

Divide a 4-digit number by a 1-digit number

Short division

Solve problems with multiplication

Multiply a 4-digit number by a 2-digit number

Multiply a 3-digit number by a 2-digit number

Multiply a 2-digit number by a 2-digit number

Multiply a 2-digit number by a 2-digit number (area model)

Multiply up to a 4-digit number by a 1-digit number

Fractions B



Spring Block 6 Number

Divide a 4-digit number by a 1-digit number

Efficient division

Solve problems with multiplication and division

Multiply a unit fraction by an integer

Multiply a non-unit fraction by an integer

Multiply a mixed number by an integer

Calculate a fraction of a quantity

Fraction of an amount

Find the whole

Use fractions as operators

82.94%
Decimals and percentages

Spring Block 7

Decimals up to 2 decimal places

Equivalent fractions and decimals (tenths)

Equivalent fractions and decimals (hundredths)

Equivalent fractions and decimals

Thousandths as fractions

Thousandths as decimals

Thousandths on a place value chart

Order and compare decimals (same number of decimal places)

Order and compare decimals (same number of decimal places)

Year 5

Order and compare any decimals with up to 3 decimal places

Round to the nearest whole number

Round to 1 decimal place

Understand percentages

Percentages as fractions

Percentages as decimals

Equivalent fractions, decimals and percentages



Spring Block 8

Perimeter of rectangles

Statistics

Autumn Block 4 Number



Draw line graphs

Read and interpret line graphs

Read and interpret line graphs

Estimate area

Area of compound shapes

Area of rectangles

Perimeter of polygons

Perimeter of rectilinear shapes

Two-way tables

Read and interpret timetables

Year 5