

# Margaret Wix Primary School Maths Learning Journey

Beginning of the primary learning journey. Explore essential mathematical skills, such as counting and subitising, through modelled activities, stories and play.

**EYFS**

**Y1**

**Y2**

**Y3**

**Y4**

**Y5**

**Y6**

Autumn Term	
Geometry	1LS1 – Geometry: positional language including ordinal numbers (step 5, optional step)
Number and place value	1LS2 – Numbers to 10: finding patterns in numbers (including subitising) 1LS3 – Numbers to 10: counting and comparison (more, less, fewer) (step 5, optional step) 1LS4 – Numbers to 10: estimating and ordering
Number and place value to 10, addition and subtraction	1LS5 – Numbers to 10: regrouping the whole 1LS6 – Numbers to 10: part whole addition and subtraction (steps 3, 4 and 5, optional steps) 1LS7 – Numbers to 10: solving problems using part or whole unknown (step 5 and 6, optional steps) 1LS8 – Numbers to 10: comparison 1LS9 – Numbers to 10: equality and balance
Number and place value to 20, addition and subtraction	1LS10 – Numbers to 20: making '10 and some more' 1LS11 – Numbers to 20: estimating and ordering, 1 more and 1 less (step 5, optional step) 1LS12 – Numbers to 20: doubling and halving (step 5, optional step) 1LS13 – Numbers to 20: odd and even numbers (step 5, optional step)

Spring Term	
Geometry and measurement	1LS14 – Geometry: names and properties of 2-D and 3-D shape (step 4, optional step) 1LS15 – Measures: the language of comparing length, height, mass and speed (step 5, optional step) 1LS16 – Sequencing events: days of the week and months of the year (step 2, optional step)
Addition and subtraction	1LS17 – Numbers to 20: adding using 'Think 10' (step 5, optional step) 1LS18 – Numbers to 20: subtraction using 'Think 10' 1LS19 – Numbers to 20: equality and balance
	1LS20 – Numbers to 20: part or whole unknown 1LS21 – Numbers to 20: language and problem solving (part or whole unknown) (steps 5 and 6, optional steps) 1LS22 – Numbers to 20: comparison (difference, more, less, fewer) including statistics
Number, place value and measurement	1LS23 – Measures: coins and combinations to 20p, ordering and comparing 1LS24 – Counting in 2s, 5s and 10s (step 4, optional step) 1LS25 – Measures: non-standard measures and introducing simple standard measures

Summer Term	
Multiplication and division	1LS26 – Multiplication and division: equal or unequal groups and remainders 1LS27 – Multiplication: repeated addition and arrays (number of groups and size of group) 1LS28 – Multiplication: problem solving (identifying the number of groups and size of the group) (step 3, optional step) 1LS29 – Multiplication: scaling and counting in 2s to 24 (steps 3 and 4, optional steps) 1LS30 – Division: sharing and grouping problems
Measurement	1LS31 – Time: telling the time, o'clock and half past
Fractions	1LS32 – Fractions: sharing into equal groups (step 5, optional step) 1LS33 – Fractions: equal or unequal parts of shapes 1LS34 – Fractions of continuous quantities including capacity
Number and place value	1LS35 – Numbers to 20: review 1LS36 – Numbers to 100: place value and digits, making tens and some more (steps 3, 4 and 7, optional steps) 1LS37 – Place value: estimation, ordering and comparison (step 5, optional step)

Autumn Term	
Number and place value	2LS1 – Securing fluency to 20 (steps 7 – 11, optional steps) 2LS2 – Place value: making 'tens and some more' (steps 2 and 4, optional steps) 2LS3 – Place value: making and regrouping two-digit numbers 2LS4 – Counting on and back in ones and tens from any number (step 4, optional step) 2LS5 – Representing, ordering and comparing numbers to 100 and quantities for measures 2LS6 – Estimation and magnitude (step 3, optional step)
Addition and subtraction	2LS7 – Numbers to 20: mental addition and subtraction 2LS8 – Finding complements of 10 and 100 including measures (step 3, optional step) 2LS9 – Add and subtract numbers mentally using one- and two-digit numbers (step 4, optional step) 2LS10 – Finding part or whole unknown (step 5, optional step)
Measurement	2LS11 – Money: making combinations and finding change 2LS12 – Comparison (difference, more, less, fewer) (step 5, optional step) 2LS13 – Measures: estimation and measure using different scales (step 5, optional step)

Spring Term	
Statistics	2LS14 – Statistics: totalling and comparing amounts in block graphs, pictograms, tables, and tally charts
Addition and subtraction	2LS15 – Written addition method 2LS16 – Commutativity in addition but not in subtraction (optional separate – recommended for use as part of fluency sessions) 2LS17 – Written subtraction method 2LS18 – Problem solving with addition and subtraction in a range of contexts
Measurement	2LS19 – Time: telling the time to o'clock, half past, quarter past and quarter to 2LS20 – Time: estimating, ordering, and comparing time (amalgamate step 1 and 2)
Multiplication and division	2LS21 – Double and halve one and two-digit numbers and amounts of money 2LS22 – Times tables pattern and strategy: 2s, 5s and 10s (counting in 3s) 2LS23 – Multiplication: multiples and repeated addition 2LS24 – Multiplication: number of groups, group size and product 2LS25 – Multiplication: problem solving 2LS26 – Division: sharing and grouping 2LS27 – Division: sharing and grouping problems including remainders (step 1, optional step)

Summer Term	
Multiplication and division	3LS25 – Multiplication: multiplying multiples of ten 3LS26 – Multiplication: formal written multiplication 3LS27 – Division: problem-solving: sharing and grouping 3LS28 – Division: two and three-digit numbers by one-digit numbers including halving 3LS29 – Multiplication, division and fractions: scaling and correspondence problems 3LS30 – Division: long division
Measurement	3LS31 – Time: hours, minutes, seconds, days, weeks, months, years 3LS32 – Time: telling the time (analogic and digital) and estimation (step 5, optional step + amalgamate step 1 and 2) 3LS33 – Time duration (step 6, optional step)
All four operations including fractions (including non-ratios) (decimal teaching to lay foundations for Year 4)	3LS34 – Securing the four operations with whole number including problem solving 3LS35 – Place value and decimals: ten times greater and ten times smaller 3LS36 – Place value and decimals: regrouping 3LS37 – Place value and decimals: estimation, comparing and rounding (step 3 and 2, optional steps)
Measurement and geometry	3LS38 – Measures: measuring and problem solving 3LS39 – 3-D shape: building and identifying properties

Spring Term	
Geometry and measurement	3LS14 – 2-D shape: properties and drawing 3LS15 – Perimeter including problem solving using written and mental methods
Multiplication, division, and statistics	3LS16 – Multiplication: 3-, 4- and 8-times tables including counting 3LS17 – Division: 1-, 2-, 3-, 5-, 4- and 8-times tables 3LS18 – Multiplication: strategy, associative and distributive laws 3LS19 – Statistics: pictograms and scaled bar charts 3LS20 – Multiplication and division worded problems
Fractions	3LS21 – Fractions: finding fractions of discrete and continuous quantities 3LS22 – Ordering and comparing fractions 3LS23 – Adding and subtracting fractions with the same denominators 3LS24 – Fractions: problem solving with unit and non-unit fractions

Autumn Term	
Number and place value	3LS1 – Place value and regrouping 3LS2 – Counting on and back in ones, tens and hundreds 3LS3 – Estimation, magnitude and rounding 3LS4 – Measures: comparison, estimation and magnitude
Addition and subtraction	3LS5 – Mental fluency: addition 3LS6 – Mental fluency: subtraction (step 4, optional step + amalgamate step 1 and 2) 3LS7 – Fact families and applying the inverse 3LS8 – Written addition 3LS9 – Written subtraction 3LS10 – Problem solving: worded problems
Geometry and statistics	3LS11 – Statistics: interpreting bar charts and tables 3LS12 – Angles, right angles, and estimation 3LS13 – Perpendicular and parallel lines, vertical and horizontal lines

Summer Term	
Fractions	2LS28 – Fractions: finding halves, quarters, and thirds of amounts 2LS29 – Fractions: finding halves, quarters, and thirds of shapes (step 4, optional step) 2LS30 – Fractions: finding three-quarters of shapes and amounts 2LS31 – Fractions: equivalence 2LS32 – Fractions of continuous quantities
Measurement	2LS33 – Time: telling the time to the nearest five minutes
All four operations, including fractions	2LS34 – Problem solving for all operations (including fractions) 2LS35 – Multiplication and division: equality and balance
Geometry	2LS36 – Geometry: properties of 2-D and 3-D shape, classifying and sorting (step 3, optional step) 2LS37 – Geometry: symmetry (step 3, optional step)
Addition, subtraction, multiplication, and division	2LS38 – Mental calculation review
Geometry	2LS39 – Geometry: sequencing 2LS40 – Geometry: rotation and right angles
Number and place value, addition, and subtraction	2LS41 – Place Value and Written Calculation Review (steps 3 – 5, optional steps)

Autumn Term	
Number Addition and subtraction	4LS1 – Place value: order and compare numbers beyond 1,000 4LS2 – Rounding, estimation and magnitude 4LS3 – Securing addition and subtraction mental fluency 4LS4 – Securing formal written addition and subtraction fluency
Multiplication and division	4LS5 – Counting in multiples of 6, 7, 9, 25 and 1,000 4LS6 – Multiplication and division facts: times tables 4LS7 – Factor pairs, integer scaling and correspondence problems 4LS8 – Problem solving including measures to apply place value, mental strategies and arithmetic laws 4LS9 – Multiply and divide a one or two-digit number by 10 and 100
Measurement and statistics	4LS10 – Measure: conversion of units 4LS11 – Measure: compare, estimate, and calculate (step 2, optional step) 4LS12 – Discrete and continuous data (time graphs), including application of scales and division

Autumn Term	
Number, place value, multiplication, and division	5LS1 – Place value and rounding of larger numbers 5LS2 – Interpret negative numbers 5LS3 – Place value of numbers with up to 3 decimal places 5LS4 – Multiply and divide by 10, 100 and 1,000 5LS5 – Properties of number: multiples, factors, and common factors 5LS6 – Prime and composite numbers
Four operations – mental calculation	5LS7 – Multiply and divide mentally 5LS8 – Solve problems involving knowledge of key facts 5LS9 – Add and subtract using a range of strategies
Four operations – formal written methods	5LS10 – Add and subtract using formal written methods 5LS11 – Formal written method for multiplication 5LS12 – Formal written method of short division
Fractions	5LS13 – Equivalent fractions

Spring Term	
Fractions	5LS14 – Compare and order fractions 5LS15 – Adding and subtracting fractions
Addition, subtraction, multiplication, and division	5LS16 – Problem solving: all operations
Fractions	5LS17 – Multiply fractions by whole numbers 5LS18 – Fraction problem solving
Measurement	5LS19 – Measure: converting units of measure 5LS20 – Area 5LS21 – Volume and capacity
Fractions (including decimals and percentages)	5LS22 – Percentages 5LS23 – Problem-solving: percentages
Geometry	5LS24 – 3-D shapes from 2-D representations

Autumn Term	
Number and place value	6LS1 – Place value 6LS2 – Multiply and divide by 10, 100 and 1,000
Addition, subtraction, multiplication, and division	6LS3 – Choosing effective mental calculation strategies 6LS4 – Problem solving with four operations
Multiplication, division, and measurement	6LS5 – Application of factors, multiples and primes (amalgamate step 1 and 2) (step 4, optional step) 6LS6 – Formal written method of multiplication (steps 1-3 for use as revision as needed) 6LS7 – Area of parallelograms and triangles 6LS8 – Formal written method of short division
Fractions (including decimals and percentages)	6LS9 – Equivalent fractions 6LS10 – Comparing and ordering fractions 6LS11 – Adding and subtracting fractions 6LS12 – Fraction and decimal equivalents 6LS13 – Fractions, decimals, and percentages 6LS14 – Calculating percentages
Geometry	6LS15 – Properties of shape

Spring Term	
Algebra	6LS16 – Order of operations and algebra (amalgamate step 1 and 2, step 3 and 4, step 5 and 6)
Multiplication, division, and measurement	6LS17 – Formal written method for long division 6LS18 – Exploring relationships between perimeter and area
Geometry	6LS19 – Recognise and find angles (amalgamate step 1 and 2) 6LS20 – Reflection and translation (amalgamate step 1 and 2)
Fractions (including decimals and percentages)	6LS21 – Multiplying fractions (amalgamate step 3 and 2) 6LS22 – Dividing fractions
Fractions (including decimals and percentages)	6LS23 – Fractions, decimals and percentages: problem-solving (optional learning sequence – further rehearsal of previously taught content)
Ratio and proportion	6LS24 – Ratio and proportion
Measurement	6LS25 – Volume 6LS26 – Measures
Statistics	6LS27 – Statistics: line graphs and pie charts

Summer Term	
Division	4LS25 – Divide two and three-digit numbers by a one-digit number using a formal written layout
Measurement	4LS26 – Time: read, write, calculate, and convert time on analogue and digital 12- and 24-hour clocks
Statistics	4LS27 – Statistics: interpret and present continuous and discrete data, solve problems incorporating measures
Number	4LS28 – Roman Numerals to 100 and zero 4LS29 – Negative numbers: counting through zero and calculating in context (step 3, optional step)
Geometry	4LS30 – Geometry: angles 4LS31 – Geometry: Properties of triangles 4LS32 – Geometry: Coordinates in the first quadrant and translations 4LS33 – Geometry: Position and direction, incorporating angles and plotting points of a shape
Multiplication and division	4LS34 – Multiplication and division review 4LS35 – Area
Fractions	4LS36 – Fractions review
Problem solving	4LS37 – Application and problem solving: developing operation sense

Summer Term	
Geometry	6LS25 – Reflection and translation 6LS26 – Perimeter 6LS27 – Estimate, compare, measure and draw angles 6LS28 – Identify unknown angles
Multiplication and division	6LS29 – Formal methods for division and multiplication in increasingly complex problems 6LS30 – Strategies for multiplication and division (mental and written) 6LS31 – Solving problems involving scaling by simple fractions and rates
Measurement	6LS32 – Conversion of imperial and metric units of measure
Fractions	6LS33 – Fractions, decimals and percentages: problem solving (optional learning sequence – further rehearsal of previously taught content)
Measurement	6LS34 – Reading timetables and calculating with time
Addition, subtraction, multiplication, and division	6LS35 – Solve problems involving the four operations
Geometry	6LS36 – Distinguish between regular and irregular polygons 6LS37 – Use properties of rectangles
Number and statistics	6LS38 – Statistics: solve comparison, sum and difference problems using information in a line graph 6LS39 – Statistics: interpreting and evaluating information presented in charts and tables 6LS40 – Roman Numerals

Summer Term	
Algebra and statistics	6LS28 – Algebra and sequences 6LS29 – Statistics: calculate and interpret mean average
Review	6LS30 – Application of previous years' learning 6LS31 – Application of known facts and calculation strategies (see learning sequence at any point in the year to consolidate)
<b>Any remaining time before SATs should be used to consolidate key learning.</b>	
Post SATs	6LS32 – Constructing pie charts 6LS33 – Statistical representations 6LS34 – Further algebra 6LS35 – Financial maths and enterprise 6LS36 – Maths preparation for KS3

Go to secondary school to continue your learning journey.



Continue your lifelong love of learning and personal development.