Year 4 Maths - Progression of Small Steps

We ask for your patience whilst we build our curriculum.

Resources will be ready for implementation from September 2024

Integer Place Value	
4M00A	Remember Numbers to 1,000
4M001	Master 1,000s
4M002	Master Representing Numbers to 10,000
4M003	Master The Place Value of 4-Digit Numbers
4M004	Master Reading and Writing Numbers to 10,000
4M005	Master Standard Partitioning (4 digits)
4M006	Master Non-Standard Partitioning (4 digits)
4M007	Master 1, 10, 100 and 1,000 More and Less
4M008	Master The Number Line to 10,000
4M009	Master Nearest to / Furthest from to 10,000
4M010	Master Comparing 4-Digit Numbers
4M011	Master Ordering 4-Digit Numbers
4M012	Master Rounding to the Nearest 10
4M013	Master Rounding to the Nearest 100
4M014	Master Rounding to the Nearest 1,000
4M015	Master Rounding within 10,000
4M016	Master Roman Numerals to 100
Decimal Place Value up to 2 Decimal Places	
4M017	Master Tenths and Hundredths
4M018	Master Representing Numbers with up to 2 Decimal Places
4M019	Master The Place Value of Numbers with up to 2 Decimal Places
4M020	Master Reading and Writing Numbers with up to 2 Decimal Places
4M021	Master Hundredths on a Number Line as Decimals
4M022	Master The Number Line with up to 2 Decimal Places
4M023	Master Nearest to / Furthest from with Hundredths
4M024	Master Comparing Number Representations with 1s and up to 2 Decimal Places
4M025	Master Comparing Numbers with 1s and up to 2 Decimal Places
4M026	Master Ordering Numbers with 1s and up to 2 Decimal Places
4M027	Master Rounding Numbers with up to 2 Decimal Places to the Nearest Whole Number

Year 4 Maths - Progression of Small Steps

Fractional Place Value	
4M028	Master Hundredths on a Number Line as Fractions
4M029	Master Recognising Hundredths in Decimal and Fractional Form
4M030	Master Recognising Halves, Quarters and Fifths in Decimal Form
4M00B	Remember Comparing and Ordering Unit Fractions
4M00C	Remember Comparing and Ordering Non-Unit Fractions
Measurement	
4M031	Master Reading Scales
4M032	Master Equivalent Lengths in Centimetres and Millimetres
4M033	Master Equivalent Lengths in Metres and Centimetres
4M034	Master Measuring and Estimating Length in Metres, Centimetres and Millimetres
4M035	Master Drawing Lines in Decimal Measures
4M036	Master Simple Equivalent Lengths in Kilometres and Metres
4M037	Master Comparing Lengths
4M038	Master Equivalent Masses in Kilograms and Grams
4M039	Master Measuring and Estimating Mass in Kilograms and Grams
4M040	Master Comparing Masses
4M041	Master Equivalent Capacities and Volumes in Litres and Millilitres
4M042	Master Measuring and Estimating Capacity and Volume in Litres and Millilitres
4M043	Master Comparing Capacities and Volumes
4M00D	Remember Measuring and Comparing Temperatures
4M044	Master Equivalence of Money in Pounds and Pence
4M045	Master Time to 1 Minute on an Analogue Clock with 5 Minute Intervals
4M046	Master Converting Analogue Clocks to Digital Clocks
4M047	Master Converting Digital Clocks to Analogue Clocks
Statistics	
4M00E	Remember Pictograms
4M048	Master Presenting and Interpreting Bar Charts
4M049	Master Interpreting Time Graphs
4M050	Master Presenting Time Graphs
4M051	Master Presenting and Interpreting Tables
Counting	
Pupils should be counting on entry to Year 4 and throughout the duration of the academic year using these recall steps. It is an expectation that children will have been introduced to any relevant counting steps before their related 'Master' steps or 'Recall' times tables steps, for which they serve as a foundation.	
4MR01	Recall Counting in 1,000s
4MR02	Recall Counting in 10s, 100s and 1,000s from Any Number
4MR03	Recall Counting in 25s
4MR04	Recall Counting in 6s
4MR05	Recall Counting in 9s
4MR06	Recall Counting in 7s
4MR07	Recall Counting in 11s

Year 4 Maths - Progression of Small Steps

4MR08	Recall Counting in 12s
4MR09	Recall Counting Backwards with Negative Numbers
4MR10	Recall Counting in Hundredths as Decimals
4MR11	Recall Counting in Hundredths as Fractions
4MR12	Recall Counting in Decimals (fractional equivalents)
4MR13	Recall Counting in Improper Fractions
4MR14	Recall Counting in Mixed Numbers
4MR15	Recall Counting in Length, Mass, Capacity and Volume
4MR16	Recall Counting Area on a Grid
4MR17	Recall Counting with Time
4MR18	Recall Counting with Money
Addition of Integers	
4MR19	Recall Bonds to 10,000
4M00F	Remember Recalling Addition Facts
4M00G	Remember Column Addition of up to Two 3-Digit Numbers
4M052A	Master Column Addition of Two 3-Digit Numbers (bridging 1,000) A
4M052B	Master Column Addition of Two 3-Digit Numbers (bridging 1,000) B
4M053A	Master Column Addition of Two 3-Digit Numbers (bridging 1,000 and 100 and / or 10) A
4M053B	Master Column Addition of Two 3-Digit Numbers (bridging 1,000 and 100 and / or 10) B
4M054	Master Adding 4-Digits and 1-Digit
4M055	Master Adding 4-Digits and 10s
4M056	Master Adding Two 3-Digit Multiples of 100 (bridging 1,000)
4M057	Master Adding 4-Digits and 100s
4M058	Master Adding Multiples of 1,000
4M059	Master Adding 4-Digits and 1,000s
4M060	Master Adding 4-Digits and 1s, 10s, 100s or 1,000s
4M061	Master Adding 4-Digits and up to 4-Digits (no exchange)
4M062	Master Adding 4-Digits and 2-Digits (bridging 10/100)
4M063	Master Adding 3-Digits and 3-Digits Using Related Facts (bridging 100/1,000)
4M064	Master Adding 4-Digits and 3-Digits Using Related Facts (bridging 100 /1,000)
4M065A	Master Adding 4-Digits and 4-digits / 3-Digits (1 exchange) A
4M065B	Master Adding 4-Digits and 4-digits / 3-Digits (1 exchange) B
4M066A	Master Adding 4-Digits and 4-digits / 3-Digits (more than 1 exchange) A
4M066B	Master Adding 4-Digits and 4-digits / 3-Digits (more than 1 exchange) B
4M067	Master Estimating Answers
4M068	Master Choosing the Method of Addition
Application of Addition	
4M069	Master Addition in Context
4M070	Master Addition of Lengths
4M071	Master Addition of Masses and Capacities
4M072	Master Addition of Money

Year 4 Maths - Progression of Small Steps

Addition of Decimals (up to 1 Decimal Place)	
4M073	Master Decimal Bonds to 1 (tenths)
4M074	Master Decimal Bonds to the Next Whole Number (tenths)
Addition of Fractions (where the denominators are the same)	
4M00H	Remember Adding Fractions within 1
4M075	Master Adding Fractions Bridging 1
4M076	Master Adding Fractions Application
Subtraction of Integers	
4M00I	Remember Recalling Subtraction Facts
4M00J	Remember Column Subtraction of up to Two 3-Digits Numbers
4M077	Master Subtracting 1-Digit from 4-Digits
4M078	Master Subtracting 10s from 4-Digits
4M079	Master Subtracting a 3-Digit from a 4-Digit Multiple of 100 (bridging 1,000)
4M080	Master Subtracting 100s from 4-Digits
4M081	Master Subtracting Multiples of 1,000
4M082	Master Subtracting 1,000s from 4-Digits
4M083	Master Subtracting 1s, 10s, 100s and 1,000s from 4-Digits
4M084	Master Subtracting 4-Digits and up to 4-Digits (no exchange)
4M085	Master Subtracting 4-Digits and 2-Digits (bridging 10/100)
4M086	Master Subtracting 3-Digits and 3-Digits Using Related Facts (bridging 100)
4M087	Master Subtracting 4-Digits and 3-Digits Using Related Facts (bridging 100/1,000)
4M088A	Master Subtracting 4-Digits and 4-Digits / 3-Digits (1 exchange) A
4M088B	Master Subtracting 4-Digits and 4-Digits / 3-Digits (1 exchange) B
4M089A	Master Subtracting 4-Digits and 4-Digits / 3-Digits (more than 1 exchange) A
4M089B	Master Subtracting 4-Digits and 4-Digits / 3-Digits (more than 1 exchange) B
4M090	Master Estimating Answers
4M091	Master Choosing the Method of Subtraction
4M092	Master Addition and Subtraction Relationships
4M093	Master Checking Answers Using Inverse Operations
Application of Subtraction	
4M094	Master Subtraction in Context
4M095	Master Subtraction of Lengths
4M096	Master Subtraction of Masses and Capacities
4M097	Master Subtraction of Money
Subtraction of Fractions	
4M00K	Remember Subtracting Fractions within 1
4M098	Master Subtracting Fractions Bridging 1
4M099	Master Subtracting Fractions Application
Combining Addition and Subtraction Application	
4M00L	Remember Sum and Difference Questions with Pictograms
4M100	Master Sum and Difference Questions with Bar Charts and Tables
4M101	Master Calculating Perimeter on a Grid

4M102	Master Calculating Perimeter of Rectangles (centimetres and metres)
4M103	Master Calculating Perimeter of Rectilinear Shapes (centimetres and metres)
4M104	Master Calculating Perimeter of Rectilinear Shapes with Missing Lengths
4M105	Master Finding the Duration within an Hour
4M106	Master Comparing the Duration within an Hour
4M107	Master Calculating the Duration within an Hour
4M108	Master Solving Problems with Time
4M109	Master Duration Questions with Time Graphs
4M110	Master The Operations of Two-Step Problems with Addition and Subtraction
4M111	Master The Procedure of Two-Step Problems with Addition and Subtraction
4M112	Master Two-Step Problems with Addition and Subtraction in Context
4M113	Master Two-Step Problems with Addition and Subtraction in a Measures Context

Times Tables

It is expected that pupils will be familiar with the 2, 3, 4, 5, 8 and 10 times tables before entering Year 4. The 6, 7, 9, 11 and 12 times tables should be introduced on entry using these recall steps before pupils reach the Multiplication and Division blocks.

4M00M	Remember The 10 and 5 Times Tables
4M00N	Remember The 2, 4 and 8 Times Table
4M00O	Remember The 3 Times Table
4MR20	Recall The 6 Times Table
4MR21	Recall The 9 Times Table
4MR22	Recall The 7 Times Table
4MR23	Recall The 11 Times Table
4MR24	Recall The 12 Times Table
4MR25	Recall Factor Pairs

Multiplication of Integers

It is expected that pupils will be familiar with all of the times tables up to 12 x 12 by this stage in the year so they can apply this knowledge in the Multiplication and Division block.

4M114	Master Multiplying Whole Numbers by 1 and 0
4M115	Master Multiplying 3 Numbers Using Associativity and Commutativity
4M116	Master Multiplying Whole Numbers by 10
4M117	Master Multiplying Whole Numbers by 100
4M118	Master Multiplying Decimals by 10
4M119	Master Multiplying Decimals by 100
4M120	Master Scaling Multiplication Facts by 100
4M121	Master The Distributive Property of Multiplication
4M00P	Remember Mentally Multiplying 2-Digits by 1-Digit (exchanging 1s or 10s)
4M122	Master Multiplying 2-Digits by 1-Digit (exchanging 1s and 10s)
4M123	Master Multiplying 3-Digits by 1-Digit (no exchange)
4M124A	Master Multiplying 3-Digits by 1-Digit (1 exchange) A
4M124B	Master Multiplying 3-Digits by 1-Digit (1 exchange) B
4M124C	Master Multiplying 3-Digits by 1-Digit (1 exchange) C
4M125A	Master Multiplying 3-Digits by 1-Digit (more than 1 exchange) A
4M125B	Master Multiplying 3-Digits by 1-Digit (more than 1 exchange) B

4M126	Master Estimating Answers
4M127	Master Choosing the Method of Multiplication
Application of Multiplication	
4M128	Master Doubling Numbers
4M129	Master Scaling Measures
4M130	Master Multiplication in Context
4M131	Master Multiplication in a Measures Context
4M132	Master Correspondence Problems
4M133	Master Converting Hours to Minutes
4M134	Master Converting Minutes to Seconds
4M135	Master Converting Years to Months
4M136	Master Converting Weeks to Days
4M137	Master Comparing Times in Different Units
Division of Integers	
4M138	Master Dividing by 1 and Itself
4M139	Master Dividing Whole Numbers by 10
4M140	Master Dividing Whole Numbers by 100
4M141	Master Dividing by 10 (decimal answer)
4M142	Master Dividing by 100 (decimal answer)
4M143	Master Scaling Division Facts by 100
4M144	Master Dividing 3-Digits by 1-Digit (no exchange)
4M145	Master Dividing 3-Digits by 1-Digit Using Known Facts
4M146	Master Dividing 3-Digits by 1-Digit Using Scaled Facts
4M147A	Master Dividing 3-Digits by 1-Digit (1 exchange) A
4M147B	Master Dividing 3-Digits by 1-Digit (1 exchange) B
4M148A	Master Dividing 3-Digits by 1-Digit (more than 1 exchange) A
4M148B	Master Dividing 3-Digits by 1-Digit (more than 1 exchange) B
4M149	Master Dividing 2-Digits by 1-Digit Using Near Multiples (remainders)
4M150	Master Dividing 2-Digits by 1-Digit Using Known Facts (remainders)
4M151A	Master Dividing 2-Digits by 1-Digit (remainders) A
4M151B	Master Dividing 2-Digits by 1-Digit (remainders) B
4M152	Master Estimating Answers
4M153	Master Choosing the Method of Division
4M154	Master Multiplication and Division Relationships
4M155	Master Checking Answers Using Inverse Operations
Application of Division	
4M156	Master Halving Numbers
4M157	Master Division in Context
4M158	Master Division in a Measures Context
Combining Multiplication and Division Application	
4M159	Master Recognising and Showing Equivalent Fractions Using Diagrams
4M160	Master Finding Common Equivalent Fractions by Multiplying Numerators and Denominators