Year 3 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 to 1,000	
3M00A	Remember Numbers to 100
3M001	Master 100s
3M002	Master Representing Numbers to 1,000
3M003	Master The Place Value of 3-Digit Numbers
3M004	Master Reading and Writing Numbers to 1,000
3M005	Master Standard Partitioning (3 digits)
3M006A	Master Non-Standard Partitioning (3 digits) A
3M006B	Master Non-Standard Partitioning (3 digits) B
3M007	Master 1, 10 and 100 More
3M008	Master 1, 10 and 100 Less
3M009	Master The Number Line to 1,000
3M010	Master Nearest to / Furthest from to 1,000
3M011	Master Comparing 3-Digit Number Representations
3M012	Master Comparing 3-Digit Numbers
3M013	Master Ordering 3-Digit Numbers
3M014	Master Roman Numerals to 19
Decimal Place Value up to 1 Decimal Place	
3M015	Master Tenths
3M016	Master Tenths on a Number Line as Decimals
3M017	Master Nearest to / Furthest from with Tenths
Fractional Place Value	
3M018	Master Tenths on a Number Line as Fractions
3M019	Master Recognising Tenths in Decimal and Fractional Form
3M020	Master Comparing Unit Fractions
3M021	Master Ordering Unit Fractions
3M022	Master Comparing Non-Unit Fractions
3M023	Master Ordering Non-Unit Fractions
Measurement	
3M024	Master Reading Scales
3M025A	Master Measuring Length in Millimetres A

3M025B	Master Measuring Length in Millimetres B
3M026A	Master Measuring Length in Mixed Measures A
3M026B	Master Measuring Length in Mixed Measures B
3M027	Master Simple Equivalent Lengths in Centimetres and Millimetres
3M028	Master Simple Equivalent Lengths in Metres and Centimetres
3M029	Master Comparing Lengths
3M030A	Master Measuring Mass in Mixed Measures A
3M030B	Master Measuring Mass in Mixed Measures B
3M031	Master Comparing Masses
3M032A	Master Measuring Capacity and Volume in Mixed Measures A
3M032B	Master Measuring Capacity and Volume in Mixed Measures B
3M033	Master Comparing Capacities and Volumes
3M034	Master Measuring and Comparing Temperatures
3M035A	Master Money in Mixed Measures A
3M035B	Master Money in Mixed Measures B
3M036	Master Simple Equivalence of Money in Pounds and Pence
3M037	Master Equivalence of Coins and Amounts
3M038	Master Comparing Money
3M00B	Remember Time to 5 Minutes on an Analogue Clock
3M039	Master Time to 1 Minute Past the Hour on a Horizontal Number Line
3M040A	Master Time to 1 Minute Past the Hour on an Analogue Clock A
3M040B	Master Time to 1 Minute Past the Hour on an Analogue Clock B
3M041	Master Time to 1 Minute to the Hour on a Horizontal Number Line
3M042A	Master Time to 1 Minute to the Hour on an Analogue Clock A
3M042B	Master Time to 1 Minute to the Hour on an Analogue Clock B
3M043	Master Time on an Analogue Clock with Roman Numerals
3M044	Master Time to the Hour on a Digital Clock
3M045	Master Time to 1 Minute on a Digital Clock
3M046	Master The Number of Days in Months and Years
3M047	Master Measuring Time in Mixed Measures
3M048	Master Comparing Times
Statistics	
3M049	Master Presenting and Interpreting Pictograms
3M050	Master Interpreting Bar Charts
3M051	Master Presenting Bar Charts
3M052	Master Interpreting Tables
3M053	Master Presenting Tables
Counting	
Pupils should be counting on entry to Year 3 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.	
3MR01	Recall Counting in 100s
3MR02	Recall Counting in 10s and 100s from Any Number

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3MR03	Recall Counting in 50s
3MR04	Recall Counting in 4s
3MR05	Recall Counting in 8s
3M00C	Remember Recalling Counting in 3s
3MR06	Recall Counting in Tenths as Decimals
3MR07	Recall Counting in Tenths as Fractions
3MR08	Recall Counting in Fractions
3MR09	Recall Counting in Length, Mass, Capacity and Volume
3MR10	Recall Counting Perimeter on a Grid
3MR11	Recall Counting with Time
3MR12	Recall Counting with Money
Addition of Integers	
3MR13	Recall Bonds to 1,000
3M00D	Remember Recalling Addition Facts (not bridging 10)
3M00E	Remember Recalling Addition Facts (bridging 10)
3M00F	Remember Mentally Adding 2-Digits and 2-Digits up to 100
3M054	Master Adding Two 2-Digit Multiples of 10 (bridging 100)
3M055	Master Adding 3-Digits and 1-Digit (no exchange)
3M056	Master Adding 2-Digits and 2-Digits (bridging 100)
3M057	Master Adding 3-Digits and 1-Digit (bridging 10)
3M058	Master Adding 3-Digits and 10s (no exchange)
3M059	Master Adding 3-Digits and 10s (bridging 100)
3M060	3M060 Master Adding Multiples of 100
3M061	Master Adding 3-Digits and 100s
3M062	Master Adding 3-Digits and 1s, 10s or 100s
3M063	Master Adding 3-Digits and 2-Digits (no exchange)
3M064	Master Adding 2-Digits and 2-Digits (bridging 10 and 100)
3M065A	Master Adding 3-Digits and 2-Digits (bridging 10) A
3M065B	Master Adding 3-Digits and 2-Digits (bridging 10) B
3M065C	Master Adding 3-Digits and 2-Digits (bridging 10) C
3M066A	Master Adding 3-Digits and 2-Digits (bridging 100) A
3M066B	Master Adding 3-Digits and 2-Digits (bridging 100) B
3M067	Master Adding 3-Digits and 3-Digits (no exchange)
3M068A	Master Adding 3-Digits and 3-Digits (1 exchange) A
3M068B	Master Adding 3-Digits and 3-Digits (1 exchange) B
3M069A	Master Adding 3-Digits and 3-Digits / 2-Digits (2 exchanges) A
3M069B	Master Adding 3-Digits and 3-Digits / 2-Digits (2 exchanges) B
3M070	Master Estimating Answers
3M071	Master Choosing the Method of Addition
Application of Addition	
3M072	Master Addition in Context
3M073	Master Addition of Lengths
3M074	Master Measuring and Using Addition to Calculate Perimeter

3M075	Master Addition of Masses and Capacities
3M076	Master Addition of Money
Addition of Fractions (where the denominators are the same)	
3M077	Master Making the Whole with Fractions
3M078	Master Adding Fractions within 1
3M079	Master Adding Fractions Application
Subtraction of Integers	
3M00G	Remember Recalling Subtraction Facts (not bridging 10)
3M00H	Remember Recalling Subtraction Facts (bridging 10)
3M00I	Remember Mentally Subtracting 2-Digits and 2-Digits within 100
3M080	Master Subtracting 1-Digit from 3-Digits (no exchange)
3M081	Master Subtracting 1-Digit from 3-Digits (bridging 10)
3M082	Master Subtracting 10s from 3-Digits (no exchange)
3M083	Master Subtracting a 2-Digit from a 3-Digit Multiple of 10 (bridging 100)
3M084	Master Subtracting 10s from 3-Digits (bridging 100)
3M085	Master Subtracting Multiples of 100
3M086	Master Subtracting 100s from 3-Digits
3M087	Master Subtracting 1s, 10s or 100s from 3-Digits
3M088	Master Subtracting 2-Digits from 3-Digits (no exchange)
3M089A	Master Subtracting 2-Digits from 3-Digits (bridging 10) A
3M089B	Master Subtracting 2-Digits from 3-Digits (bridging 10) B
3M089C	Master Subtracting 2-Digits from 3-Digits (bridging 10) C
3M090A	Master Subtracting 2-Digits from 3-Digits (bridging 100) A
3M090B	Master Subtracting 2-Digits from 3-Digits (bridging 100) B
3M091	Master Subtracting 3-Digits from 3-Digits (no exchange)
3M092A	Master Subtracting 3-Digits from 3-Digits (1 exchange) A
3M092B	Master Subtracting 3-Digits from 3-Digits (1 exchange) B
3M093A	Master Subtracting 3-Digits and 3-Digits / 2-Digits (2 exchanges) A
3M093B	Master Subtracting 3-Digits and 3-Digits / 2-Digits (2 exchanges) B
3M094	Master Estimating Answers
3M095	Master Choosing the Method of Subtraction
3M096	Master Addition and Subtraction Relationships
3M097	Master Checking Answers Using Inverse Operations
Application of Subtraction	
3M098	Master Subtraction in Context
3M099	Master Subtraction of Lengths
3M100	Master Subtraction of Masses and Capacities
3M101	Master Subtraction of Money
Subtraction of Fractions	
3M102	Master Subtracting from the Whole
3M103	Master Subtracting Fractions within 1
3M104	Master Subtracting Fractions Application

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Combining Addition and Subtraction Application	
3M105	Master Pictograms with Sum and Difference Questions
3M106	Master Bar Charts with Sum and Difference Questions
3M107	Master Tables with Sum and Difference Questions
3M108	Master Finding the Duration within an Hour
3M109	Master Comparing the Duration within an Hour
3M110	Master Calculating the Duration within an Hour
3M111	Master The Operations of Two-Step Problems with Addition and Subtraction
3M112	Master The Procedure of Two-Step Problems with Addition and Subtraction Problems
3M113	Master Two-Step Problems with Addition and Subtraction in Context
3M114	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, 5 and 10 times tables before entering Year 3. The 3, 4 and 8 times tables should be introduced on entry using these recall steps before pupils reach the Multiplication and Division blocks.	
3M00J	Remember The 10 and 5 Times Tables
3M00K	Remember The 2 Times Table
3MR14	Recall The 4 Times Table
3MR15	Recall The 8 Times Table
3MR16	Recall The 3 Times Table
Multiplication of Integers	
It is expected that pupils will be familiar with the 2, 5 and 10 times tables from Y2, and the 3, 4 and 8 times tables by this stage in the year so they can apply this knowledge in the Multiplication and Division blocks.	
3M115	Master Multiplying Whole Numbers by 10
3M116	Master Scaling
3M117	Master Scaling Multiplication Facts by 10
3M118	Master Multiplying 2-Digits by 1-Digit (no exchange)
3M119	Master Multiplying 2-Digits by 1-Digit (exchanging 1s)
3M120	Master Multiplying 2-Digits by 1-Digit (exchanging 10s)
3M121A	Master Multiplying 2-Digits by 1-Digit (1 exchange) A
3M121B	Master Multiplying 2-Digits by 1-Digit (1 exchange) B
3M122A	Master Multiplying 2-Digits by 1-Digit (2 exchanges) A
3M122B	Master Multiplying 2-Digits by 1-Digit (2 exchanges) B
3M123	Master Estimating Answers
3M124	Master Choosing the Method of Multiplication
Application of Multiplication	
3M125	Master Doubling Numbers up to 100
3M126	Master Scaling Measures
3M127	Master Multiplication in Context
3M128	Master Multiplication in a Measures Context
3M129	Master Correspondence Problems

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Division of Integers	
3M130	Master Dividing Whole Numbers by 10
3M131	Master Scaling Division Facts by 10
3M132	Master Dividing 2-Digits by 1-Digit (no exchange)
3M133	Master Dividing 2-Digits by 1-Digit Using Known Facts
3M134A	Master Dividing 2-Digits by 1-Digit (exchanging 10s) A
3M134B	Master Dividing 2-Digits by 1-Digit (exchanging 10s) B
3M134C	Master Dividing 2-Digits by 1-Digit (exchanging 10s) C
3M135	Master Estimating Answers
3M136	Master Choosing the Method of Division
3M137	Master Multiplication and Division Relationships
3M138	Master Checking Answers Using Inverse Operations
Application of Division	
3M139	Master Halving Numbers to 200
3M140	Master Division in Context
3M141	Master Division in a Measures Context
3M142	Master Finding a Missing Side Length from a Given Perimeter A
3M143	Master Finding Unit Fractions of Quantities
3M144	Master Finding a Tenth of Quantities (decimal answer)
Combining Multiplication and Division Application	
3M145	Master Finding Non-Unit Fractions of Quantities
3M146	Master Recognising Equivalent Fractions Using Diagrams
3M147	Master Showing Equivalent Fractions Using Diagrams
3M148	Master Finding Non-Unit Fractions of Shapes and Objects
3M149	Master The Operations of Two-Step Problems with Multiplication and Division
3M150	Master The Procedure of Two-Step Problems with Multiplication and Division
3M151	Master Two-Step Problems with Multiplication and Division in Context
3M152	Master Two-Step Problems with Multiplication and Division in a Measures Context
Combining the Four Operations Application	
3M153	Master Finding a Missing Side Length from a Given Perimeter B
3M154	Master The Operations of Two-Step Problems with Four Operations
3M155	Master The Procedure of Two-Step Problems with Four Operations
3M156	Master Two-Step Problems with Four Operations in Context
3M157	Master Two-Step Problems with Four Operations in a Measures Context

Slider Units	
Geometry	
3MS01	Master Recognising Right Angles in Shapes
3MS02	Master Recognising Acute Angles
3MS03	Master Recognising Obtuse Angles
3MS04	Master Comparing Angles to Right Angles
3MS05	Master Types of Lines in 2D Shapes
3MS06	Master Symmetry in 2D Shapes

3MS07	Master Describing the Properties of 2D Shapes
3MS08	Master Drawing 2D Shapes (to centimetres)
3M00L	Remember Describing the Properties of 3D Shapes
3MS09	Master Constructing 3D Shapes