

Progression Guidance in Maths for Year 1

Autumn Term 1		
Wk	Strands	Weekly Summary
1	Number and place value (NPV); Mental addition and subtraction (MAS)	Count up to 20 objects (match number to object); estimate and count up to 30 objects; count on and back and order numbers to 10; recognise domino/dice arrays without counting; identify a number 1 more (next number in count)
2	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Find pairs that make 5; subitise to 5; find pairs that make 6; subitise to 6; find pairs that make 10; subitise fingers to 10; match pairs to 5, 6 and 10 to number sentences; find missing numbers in number sentences
3	Mental addition and subtraction (MAS)	Double numbers 1 to 5; find 1 and 2 more; count back 1 and begin to find 1 less
4	Geometry: properties of shapes (GPS); Geometry: position and direction (GPD); Statistics (STA)	Recognise, name and describe squares, rectangles, circles and triangles; recognise basic line symmetry; sort 2D shapes according to their properties, using Venn diagrams and Carroll diagrams
5	Number and place value (NPV)	Read and write numbers and number-names to 20; compare and order numbers to 20; identify 1 more and 1 less; estimate sets of objects, count to check and order sets according to size; understand 0 as the empty set

Autumn Term 2		
Wk	Strands	Weekly Summary
6	Number and place value (NPV)	Understand and then make teen numbers (10 and some 1s); compare and order numbers to 20, then 30; find the number between two numbers with a difference of 2; understand and use ordinal numbers
7	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Revise bonds to 5, 6 and 10; find pairs which make 7; use addition facts for 5, 6 and 10 to solve subtractions; use number facts for 5, 6 and 10 to solve word problems
8	Geometry: position and direction (GPD); Measurement (MEA)	Describe position and direction using common words (including half turns); compare lengths and heights; estimate, compare and measure lengths using uniform non-standard and standard units
9	Mental addition and subtraction (MAS); Mental multiplication and division (MMD)	Add 1, 2 and 3 by counting on; subtract 1, 2, 3 or more by counting back; begin to add three small numbers by spotting bonds to 10 or doubles (1-6)
10	Number and place value (NPV); Measurement (MEA)	Compare and order numbers to 20; recognise coins and know values (up to £2); begin to make amounts in pence; understand teen numbers are 10 and some 1s

Spring Term 1		
Wk	Strands	Weekly Summary
11	Number and place value (NPV); Mental addition and subtraction (MAS)	Say the number one more or less and two more or less using a number line or a 100 grid; locate 2-digit numbers on a 100 grid and a 1-100 bead string; read, write and say 2-digit numbers and understand them as some tens and some ones
12	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA); Mental multiplication and division (MMD)	Revise pairs to 5, 6, 7, 10 and doubles to double 6; derive subtraction facts; understand a symbol being used for an unknown; use number facts to solve simple addition and subtraction word problems; find pairs of numbers with a total of 8
13	Mental addition and subtraction (MAS)	Add by putting the larger number first and counting on (numbers up to 100), spotting unit patterns; count on from 2-digit numbers; add a 1-digit number to a 2-digit number
14	Geometry: properties of shapes (GPS); Statistics (STA); Measurement (MEA)	Name, recognise and know the properties of 3D shapes: cube, cuboid, cone, cylinder and sphere; begin to sort 3D shapes according to properties; order and name the days of the week and months of the year; recognise and name the seasons
15	Number and place value (NPV); Mental multiplication and division	Count on and back in tens from any number; begin to count in 5s and 2s recognising multiples of 5 end in 5 and 0; chn begin to count in 2s;

	(MMD)	estimate a number of objects within a range and count by grouping into 10s or 5s
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Spring Term 2		
Wk	Strands	Weekly Summary
16	Number and place value (NPV); Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP)	Recognise odd and even numbers; count objects in 5s and 10s and begin to say 5 lots and 10 lots; find half, quarter and three quarters of shapes; begin to know that two halves and four quarters are a whole and that two quarters is a half
17	Mental addition and subtraction (MAS); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)	Find and begin to know doubles to double 10; revise pairs to 5, 6, 7, 8, 9 and 10 and derive related subtraction facts; use knowledge of pairs of 10 to make pairs to 20; use number facts to solve word problems
18	Measurement (MEA)	Relate units of time weeks, days, hours; divide the days up into parts; read and write times to the hour; begin to have a notion of how long an hour is and how long a minute is; tell the time (o'clock and half past) on analogue and digital clocks; measure using uniform units (cubes and rulers)
19	Mental addition and subtraction (MAS)	Add a 1-digit number by counting on from a 2-digit number, not crossing 10s at first, then beginning to cross 10s; subtract a 1-digit number by counting back initially from numbers up to 30 (not crossing 10s) and then generally from a 2-digit number (not crossing 10s) and from multiples of 10
20	Number and place value (NPV); Mental addition and subtraction (MAS)	Locate 2-digit numbers on a 100-square; begin to recognise 2-digit numbers as some 10s and 1s; make 2-digit numbers using 10p and smaller coins; find 1 more or 1 less than any number to 100; find 10 more than any number to 90; find 10 less than any number to 100

Summer Term 1		
Wk	Strands	Weekly Summary
21	Number and place value (NPV); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Find 1 more, 1 less, 10 more, 10 less than any 2-digit number; explore patterns on the 100-square; understand place value in 2-digit numbers and identify 10s and 1s
22	Mental addition and subtraction (MAS)	Use number facts to add and subtract 1-digit numbers to/from 2-digit numbers; add pairs of 1-digit numbers with totals above 10; sort out additions into those you 'just know' and those you need to work out
23	Mental addition and subtraction (MAS)	Add three small numbers, spotting pairs to 10 and doubles; add and subtract 10 to and from 2-digit numbers
24	Measurement (MEA); Statistics (STA)	Compare weights and capacities using direct comparison; measure weight and capacity using uniform non-standard units; complete tables and block graphs, recording results and information; make and use a measuring vessel for capacity
25	Number and place value (NPV); Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP); Measurement (MEA)	Find half of all numbers to 10 and then to 20; identify even numbers and begin to learn halves; recognise halves and quarters of shapes and begin to know $2/2=1$, $4/4=1$ and $2/4=1/2$; recognise, name and know value of coins 1p-£2 and £5 and £10 notes; solve repeated addition problems using coins; make equivalent amounts using coins

Summer Term 2		
Wk	Strands	Weekly Summary
26	Number and place value (NPV)	Locate 2-digit numbers on a beaded line and 100-square; compare and order 2-digit numbers up to 100 and say a number between two numbers; identify 10s and 1s in 2-digit numbers and solve place-value additions
27	Number and place value (NPV); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA); Fractions, ratio	Recognise odd and even numbers; count in 2s, 5s and 10s, look for patterns; multiply by 2, 5, 10 by counting in groups/sets; find doubles to double 10 and related halves; halve odd numbers up to 10

	and proportion (FRP)	
28	Measurement (MEA); Statistics (STA); Geometry: properties of shapes (GPS); Geometry: position and direction (GPD)	Tell the time to the half hour and quarter hour on analogue clocks and begin to read these times on digital clocks; revise months of the year; read, interpret and create a pictogram; begin to recognise and read block graphs; measure lengths using non-standard, uniform units; recognise and name simple 2D shapes and continue repeating patterns
29	Mental addition and subtraction (MAS)	Use number facts to add and subtract 1-digit numbers to and from 2-digit numbers; find change from 10p and from 20p
30	Number and place value (NPV); Mental addition and subtraction (MAS); Mental multiplication and division (MMD)	Locate 2-digit numbers on a bead string and a 1-100 square; order numbers to 100; identify 10s and 1s in 2-digit numbers; say or write 1 more and 1 less and 10 more and 10 less than any number to 100; explore patterns in 10s, 5s and 2s on a 9x9 grid; count in tens from any given number

Progression Guidance in Maths for Year 2

Autumn Term 1		
Wk	Strands	Weekly Summary
1	Number and place value (NPV); Problem solving, reasoning and algebra (PRA)	Estimate and count a number of objects up to 100; locate numbers on 0–100 beaded lines and 1–100 squares; compare pairs of numbers and find a number in between; order three numbers, order 2-digit numbers
2	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Revise number bonds to 6, 7, 8, 9 and 10; know number bonds to 10 and begin to learn related subtraction facts; know multiple of 10 number bonds to 100, learn bonds to 20, rehearse number bonds to 10 and 20 using stories
3	Mental multiplication and division (MMD); Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Double numbers to double 15, use patterns in number bonds, use number bonds to solve more difficult additions, to subtract and to solve additions bridging 10
4	Geometry: properties of shapes (GPS); Statistics (STA)	Sort 2D shapes according to symmetry properties using Venn diagrams, identify right angles and sort shapes using Venn diagrams, recognise squares, rectangles, circles, triangles, ovals and hexagons, investigate which tessellate, sort shapes and objects using a two-way Carroll diagram
5	Number and place value (NPV); Problem solving, reasoning and algebra (PRA); Mental addition and subtraction (MAS)	Begin to mark numbers on a landmarked line, compare and order numbers, using < and > signs, work systematically to find all possible inequalities, find 1 and 10 more or less using the 100-square, find 10 more and 10 less than any 2-digit number

Autumn Term 2		
Wk	Strands	Weekly Summary
6	Number and place value (NPV); Problem solving, reasoning and algebra (PRA); Mental addition and subtraction (MAS)	Know and use ordinal numbers; understand that 2-digit numbers are made from some 10s and some 1s; Understand place value using 10p and 1p coins; find and record all possible amounts using 10p and 1p coins; find 10p more and 10p less; Find 10 more and 10 less
7	Mental addition and subtraction (MAS); Number and place value (NPV); Problem solving, reasoning and algebra (PRA)	Add and subtract 10, 20 and 30 to any 2-digit number; Add and subtract 11, 21, 12 and 22 to any 2-digit number; Solve addition and subtractions by counting on and back in 10s then in 1s; solve addition and subtraction problems using concrete and pictorial representations
8	Geometry: position and direction (GPD); Measurement (MEA)	Understand and use terms and vocabulary associated with position, direction and movement; Measure lengths using uniform units; Begin to measure in centimetres and metres

9	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA); Mental multiplication and division (MMD)	Add and subtract 2-digit numbers; Solve addition and subtraction problems using concrete and pictorial representations; Add near doubles to double 15; Add several small numbers spotting near doubles or pairs to 10, etc.
10	Mental multiplication and division (MMD); Measurement (MEA); Problem solving, reasoning and algebra (PRA)	Count in 2s, 5s and 10s from zero; Count in multiples of 2p, 5p and 10p; Number sequences of 2s, 5s and 10s; Find the totals of coins and ways to make an amount; Use coins to make given amounts of money

Spring Term 1

Wk	Strands	Weekly Summary
11	Number and place value (NPV); Mental addition and subtraction (MAS)	Place value and ordering 2-digit numbers; place value additions and subtractions; add and begin to subtract 9, 10 and 11
12	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Revise number bonds to 10; begin to bridge 10; subtract from 10 and 20; use number facts to find the complement to ten; find a difference between two numbers by counting on
13	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA); Measurement (MEA)	Rehearse complements to multiples of 10; find differences using a number line; find change from 10p and 20p, and from £10 to £20 by counting up and using bonds to 10 and 20; add two 2-digit numbers by counting on
14	Geometry: properties of shapes (GPS); Geometry: position and direction (GPD); Measurement (MEA)	Recognise and identify properties (including faces and vertices) of 3D shapes; sort according to properties including number of faces; name the 2D shapes of faces of 3D shapes; tell the time to the nearest quarter on analogue and digital clocks
15	Number and place value (NPV)	Order 2-digit numbers and revise the < and > signs; locate 2-digit numbers on a landmarked line and grid; round 2-digit numbers to nearest 10; estimate a quantity <100 within a range

Spring Term 2

Wk	Strands	Weekly Summary
16	Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP)	Revise doubles and corresponding halves to 15; find half of odd and even numbers to 30; Revise and recognise $\frac{1}{2}$ s, $\frac{1}{4}$ s, $\frac{1}{3}$ s and $\frac{2}{3}$ s of shapes; place $\frac{1}{2}$ s on a number line; count in $\frac{1}{2}$ s and $\frac{1}{4}$ s; understand and write mixed numbers
17	Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)	Count in 2s, 5s and 10s to solve multiplication problems and find specified multiples; introduce the \times sign; record the 2, 5 and 10 times-tables; investigate multiplications with the same answer; write multiplications to go with arrays, rotate arrays to show they are commutative
18	Measurement (MEA); Statistics (STA)	Tell the time to the nearest quarter of an hour using analogue and digital clocks; understand the relationship between seconds, minutes and hours and use a tally chart; interpret and complete a pictogram or block graph where one block or symbol represents one or two things
19	Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)	Revise 2, 5 and 10 times-tables; revise arrays and hops on the number line; multiply by 2, 3, 4, 5 and 10; arrange objects into arrays and write the corresponding multiplications; make links between grouping and multiplication to begin to show division; write divisions as multiplications with holes in and use the \div sign
20	Measurement (MEA); Number and place value (NPV); Problem solving, reasoning and algebra (PRA); Mental addition and subtraction (MAS)	Recognise all coins, know their value, and use them to make amounts; recognise £5, £10, £20 notes; make amounts using coins and £10 note; write amounts using £.p notation; order coins 1p – £2 and notes £5 – £20; add several coins writing totals in £.p notation (no zeros in 10p place); add two amounts of pence, using counting on in 10s and 1s; add two amounts of money, beginning to cross into £s

Summer Term 1

Wk	Strands	Weekly Summary
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21	Number and place value (NPV); Mental addition and subtraction (MAS)	Locate, order and compare 2-digit numbers on 0-100 landmarked lines and on the 1-100 square; use < and > signs; locate numbers on an empty 0-100 line; introduce numbers 101 to 200 and count in 100s to 1000; add 2-digit numbers by counting on in 10s and 1s; subtract 2-digit numbers by counting back in 10s and 1s
22	Mental addition and subtraction (MAS); Problem solving, reasoning and algebra (PRA)	Use doubles and number bonds to add three 1-digit numbers; use number facts to 10 and 20 in number stories; find complements to multiples of 10; understand subtraction as difference and find this by counting up; find small differences either side of a multiple of 10
23	Mental addition and subtraction (MAS)	Add and subtract 1-digit numbers to and from 2-digit numbers; subtract 2-digit numbers by counting back in tens and ones; add two 2-digit numbers by counting in 10s, then adding 1s; add 2-digit numbers using 10p and 1p coins (partitioning, answers less than 100); add 2-digit numbers using place-value cards (partitioning, answers more than 100)
24	Measurement (MEA); Statistics (STA)	Measure weight using standard or uniform non-standard units; draw a block graph where one square represents two units; weigh items using 100g weights using scales marked in multiples of 1kg or 100g; measure capacity using uniform non-standard units; measure capacity in litres and in multiples of 100ml
25	Mental multiplication and division (MMD); Fractions, ratio and proportion (FRP)	Double multiples of 10 and 5 (answers less than 100); double 2-digit numbers ending in 1, 2, 3 or 4 (answers less than 100); find a quarter of numbers up to 40 by halving twice; begin to find $\frac{3}{4}$ of numbers; find $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{3}$ of amounts (sharing); spot patterns and make predictions when finding a third of numbers

Summer Term 2		
Wk	Strands	Weekly Summary
26	Mental addition and subtraction (MAS); Number and place value (NPV); Measurement (MEA); Problem solving, reasoning and algebra (PRA)	Count back in 10s and 1s to solve subtraction (not crossing 10s) and check subtraction using addition, beginning to understand that addition undoes subtraction and vice versa; add three or more small numbers using number facts; record amounts of money using £.p notation including amounts with no 10s or 1s; find more than one way to solve a money problem
27	Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)	Count in 3s, recognising numbers in the 3 times-table; write multiplications to go with arrays and use arrays to solve multiplication problems; understand that multiplication is commutative and that division and multiplication are inverse operations; solve divisions as multiplications with a missing number; count in 2s, 3s, 5s and 10s to solve divisions and solve division problems in contexts
28	Measurement (MEA)	Measure and estimate lengths in centimetres; tell the time involving multiples of 5 minutes past the hour and 5 minutes to the hour; tell time to 5 minutes; begin to say the time 10 minutes later
29	Mental addition and subtraction (MAS); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA)	Partition to add two 2-digit numbers; find the difference between two 2-digit numbers; multiply two numbers using counting in steps of 2, 3, 5 and 10; solve division problems by counting in steps of 2, 3, 5 and 10
30	Number and place value (NPV); Mental addition and subtraction (MAS)	Compare two 2-digit numbers and find bonds to 100 using thermometers; revise place value in 2-digit numbers, numbers between 100 and 200, and 3-digit numbers (including zeros in the 10s and 1s places)