

Year One Maths Planning

Strands	AUTUMN TERM
Number and place value ; Mental addition and subtraction	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)
Mental addition and subtraction Problem solving, reasoning and algebra	Find pairs that make 5; find pairs that make 6;; find pairs that make 10; match pairs to 5, 6 and 10 to number sentences; find missing numbers in number sentences
Mental addition and subtraction	Double numbers 1 to 5; find 1 and 2 more; count back 1 and begin to find 1 less
Geometry: properties of shapes Geometry: position and direction Statistics	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
Number and place value	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
Number and place value	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
Mental addition and subtraction ; Problem solving, reasoning and algebra	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
Geometry: position and direction ; Measurement	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
Mental addition and subtraction ; Mental multiplication and division	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)
Number and place value ; Measurement	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

Strands	SPRING TERM
Number and place value ; Mental addition and subtraction	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
Mental addition and subtraction ; Problem solving, reasoning and algebra ; Mental multiplication and division	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
Mental addition and subtraction	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
Geometry: properties of shapes ; Statistics; Measurement	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
Number and place value ; 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; begin to count in 2s; estimate a number of objects within a range and count by grouping into 10s or 5s
Number and place value ; Mental multiplication and division ; Fractions, ratio and proportion	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
Mental addition and subtraction ; Mental multiplication and division ; Problem solving, reasoning and algebra	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
Measurement	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)

Mental addition and subtraction	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
Number and place value Mental addition and subtraction	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

Strands	SUMMER TERM
Number and place value Mental addition and subtraction Problem solving, reasoning and algebra	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
Mental addition and subtraction	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
Mental addition and subtraction	Add three small numbers, spotting pairs to 10 and doubles; add and subtract 10 to and from 2-digit numbers
Measurement Statistics	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
Number and place value ; Mental multiplication and division Fractions, ratio and proportion Measurement	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 $\frac{2}{2}=1$, $\frac{4}{4}=1$ and $\frac{2}{4}=\frac{1}{2}$; 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
Number and place value	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
Number and place value Mental multiplication and division ; Problem solving, reasoning and algebra ; Fractions, ratio and proportion	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
Measurement ; Statistics ; Geometry: properties of shapes ; Geometry: position and direction	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
Mental addition and subtraction	Use number facts to add and subtract 1-digit numbers to and from 2-digit numbers; find change from 10p and from 20p
Number and place value; Mental addition and subtraction ; Mental multiplication and division	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