

## Mental Maths Progression of Skills

### Foundation Stage

I can recognise numbers and say their names

I can count using 1-1 correspondence up to 20

I can say the number that is one more and one less than a number from one to five

I can count out two lots of objects and work out how many there are altogether up to 5 and explain what I have done

I can share even numbers of objects to 6 into 2 groups and say how many are in each group

I can say the number that is one more or one less than a number from 1 to 20

I can count out two lots of objects and work out how many there are altogether up to 20

I can count out a set of objects up to 20, take some away and tell you how many are left, explaining what I have done

### Year 1

I can share even numbers of objects to 20 into 2 groups and say how many are in each group

I can count repeated groups of 2, 5 and 10

I can say, straight away, what goes with another number to make 20 and work out the corresponding subtraction facts

I can count out two lots of objects and work out how many there are altogether up to 100, and explain what I have done

I can count out a set of objects up to 100, take some away and tell you how many are left, explaining what I have done

I can use my addition and subtraction skills to work out a missing number in a number sentence

### Year 2

I can say the number that is 1 more or less than a number up to 20 and 10 more or less for multiples of 10

I can say straight away the double of all numbers to 10 and the related halves

I can say how many tens and units there are in a number

I can estimate how many objects there are up to 100 objects

I can count repeated groups of 2, 5, 10 and 3
I can add 2 single digit numbers, recording what I have done in a number sentence using + and =
I can mentally add or subtract 2 single digit numbers recording what I have done in a number sentence using + and =, choosing the best order to add the numbers
I can calculate quickly the double of all numbers to 20 and the related halves
I can tell you the number that is 1 or 10 more or less for numbers up to 50
I can say, straight away all pairs with totals to 20 and work out the corresponding subtraction facts
I can mentally add or subtract a single digit number or a multiple of 10 to a one-digit or two-digit number up to a total of 50, choosing the best order to add the numbers
I can say, straight away, all pairs of multiples of 10 with totals up to 100
I can count in halves to 10

### Year 3

I can count up to 1000
I can multiply one- and two-digit numbers by 10
I can calculate quickly sums and differences of multiples of 10
I can mentally add or subtract any near multiple of 10 to a one-digit or two-digit number
I can add and subtract any near multiple of 10 to and from a 2 digit number using rounding and adjusting
I can multiply one- and two-digit numbers by 10 and 100 and describe the effect
I can use partitioning to calculate doubles of any two-digit numbers and the related halves
I can recall multiplication facts for the 2, 3, 4, 5, 8, 10, 50 and 100 times tables and the related division facts and can recognise multiples of these numbers
I can calculate quickly how much more is needed to total 100 from any other number
I can mentally add or subtract any combination of one-or two digit numbers
I can recall multiplication facts for the 2,3, 4, 5, 6 and 10 times tables and the related division facts and can recognise multiples of these numbers

I can use partitioning to calculate doubles of any three-digit numbers and the related halves

I can count in tenths

I can find 10 or 100 more from any number

#### Year 4

I can recall multiplication facts up to  $12 \times 12$ , the corresponding division facts and multiples of numbers to 10 to the tenth multiple

I can count in multiples of 6, 7, 9, 25 and 100

I can calculate quickly doubles and halves of numbers with 1 decimal place

I can apply my knowledge of two-digit addition and subtraction to three-digit multiples of 10 and numbers with 1 decimal place

I can add or subtract mentally any pair of three-digit numbers

I can calculate quickly sums and differences of multiples of 0.1

I can multiply mentally  $TU \times U$

I can calculate quickly sums and differences of numbers with 1 decimal place

I can calculate quickly doubles and halves of numbers with 2 decimal places

I can calculate quickly sums and differences of numbers with 2 decimal places

I can find 1000 more or less than any number

I can count beyond 0

#### Year 5

I can use my knowledge of multiplication facts to  $10 \times 10$  to multiply multiples of 10 and 100 and derive quickly corresponding division facts

I can use my knowledge of multiplying by 10 and 100 to multiply by 20, 25 and 50

I can add and subtract mentally numbers with one decimal place

I can multiply mentally  $HTU \times U$  and divide mentally  $TU \div U$

I can multiply and divide numbers with 2 decimal places by 10 or 100

I can say the squares of numbers to  $10 \times 10$

I can add and subtract mentally numbers with two decimal places

I can add and subtract mentally positive and negative numbers

I can multiply and divide mentally including decimals

I can count in powers of 10, 100 and 1000

### Year 6

I can say the squares of numbers to 12 x 12 and the corresponding roots

I can use knowledge of place value and multiplication facts to 12 x 12 to derive related multiplication and division facts involving decimal numbers

I can use known facts to derive and use facts about decimals, fractions and percentages