Mental Maths Non-Negotiables 2024/25

See below mental maths non-negotiables. Please ensure that you focus on these targets in your mental and oral starters daily and target 80% of your children having achieved each target by the end of the academic year.

Targets highlighted in red should be the focus for the Autumn Term.
Targets highlighted in blue should be the focus for the Spring Term.
Targets highlighted in green should be the focus for the Summer Term.

Year R	Year 1	Year 2
To count objects up to 5 To recognise numbers up to 10 To count objects up to 10 To partition groups of objects for numbers to 10 To give one more/one less than any number up to 10 To add a 1-digit number to a 1-digit number up to 20 To subtract a 1-digit number from a 1-digit number up to 20 To recognise numerals to 20 To give one more/one less than any number up to 20 To add and subtract two 1-digit numbers	To know addition facts up to 20 To know subtraction facts up to 20 To count in multiples of 2 up to 24 To count in multiples of 10 up to 100 To give one more/one less than any given number up to 100 To count in multiples of 5 up to 60 To know doubles of all numbers up to 10 To know odd and even numbers to 100	To know the 10x table in random order To know division facts for the 10x table To add and subtract two 2-digit numbers To know the 2x table in a random order To know the 5x table in a random order To know division facts for the 2x table To add 3 single digits To know addition and subtraction facts of multiples of 10 up to 100 To find 1/2, 1/3 and 1/4 of a given number To know division facts for the 5x table To find 2/3, 2/4 and 3/4 of a given number To know doubles of all numbers to 20 and doubles of multiples of 10 to 50 To count in multiples of 3 up to 36

For all content, children in years 1-6 should be taught to solve **missing number questions**. These form the basis of the Mental Maths tests.
For example, 8 + ☐ = 11, 1/2 of ☐ = 10, 92 = 37 + ☐, 414 = 6 x ☐.

Year 3	Year 4	Year 5	Year 6
To know multiplication and division facts for the 3x table To add and subtract a three-digit number and ones, e.g. 146 + 7 To add and subtract a three-digit number and tens, e.g. 239 + 50 To add and subtract a three-digit number and hundreds, e.g. 345 + 200 To know the number of seconds in a minute, minutes in an hour, number of days in each month, year and leap year To count in multiples of 50 and 100 up to 1000 To know multiplication and division facts for the 4x table To find 10 or 100 more/less than any given number To find pairs of two-digit numbers with a total of 100 To know multiplication and division facts for the 8x table To compare, order, add and subtract fractions with common denominators and unit fractions To count forwards and backwards in tenths	To know multiplication and division facts for the 11x table To know multiplication and division facts for the 9x table To multiply one-digit numbers by multiples of 10 To know doubles of all numbers up to 100 To find 1000 more/less than any given number To multiply three-digit numbers by one-digit numbers To count in multiples of 25 and 1000 To know multiplication and division facts for the 6x table To know multiplication and division facts for the 7x table To round numbers to the nearest 10, 100 or 1000 To know decimal equivalents to 1/4, 1/3 and 3/4, tenths and hundredths To multiply two-digit numbers by one-digit numbers To multiply three one-digit numbers, e.g. 6 x 3 x 7 To know multiplication and division facts for the 12x table To know squares up to 12x12 To round numbers with one decimal place to the nearest whole number To divide whole numbers by 10 and 100 to give decimal number answers, e.g. 64 ÷ 10 To know what must be added to any three-digit number to make the next multiple of 100, e.g. 521 + = 600	To multiply and divide whole numbers and decimals by 10, 100 or 1000, e.g. 3.642 x 10 To know squares up to 15x15 To know prime numbers up to 20 To know sums and differences of decimals up to 9.9, e.g. 6.5 + 2.7, 7.8 – 1.3 To know percentage and decimal equivalents for 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25 To count forwards and backwards in fractions of 1/2, 1/3, 1/4, 1/5 To round up to 6-digit numbers to the nearest 10, 100, 1000, 10,000 or 100,000 To know doubles and halves of decimals up to 9.9, e.g. half of 5.6, double 3.4 To round decimals with two decimal places to the nearest whole number and to one decimal place To know factor pairs to 100 To know cube numbers to 10^3	To find common factors of a pair of numbers up to 144 To find common multiples of a pair of numbers up to 144 To know equivalent fractions, decimals and percentages for hundredths, e.g. 35% is equivalent to 0.35 or 35/100 To know square roots up $\sqrt{225}$ To know what must be added to a decimal with units, tenths and hundredths to make the next whole number, e.g. 7.26 + = 8 To solve simple algebraic equations To perform mental calculations with mixed operations and large numbers