Key Instant Recall Facts (KIRFs)

	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	Know number bonds to 20	I know number bonds for each number up to 20	I know the 6 and 9 times table (× and ÷)	I know all the times tables (× and ÷)	I can scale number facts by 10 30 x 600
Autumn 2	I know the 2 times table (× and ÷)	I know the 3 times table (× and ÷) I know the 4 times table (× and ÷)	I can multiply and divide a single digit by 10 and 100	I can find factor pairs of a number e.g. factors of 12: 1 and 12, 2 and 6, 3 and 4	I can find a fraction of an amount
Spring	Know doubles and halves of numbers up to 10	I know the 8 times table (× and ÷)	I can recognise equivalent fractions for ½, ¼, 1/5, 1/8, 1/10	I can recognise equivalent fractions 1/8, 1/10, 2/5, ¾, 7/10	I can convert between fractions, decimals and %s
Spring 2	I know the 10 times table (× and ÷)	Consolidate 3,4,5,8x tables	I know the 7 and 11 times table (× and ÷)	I know decimal number bonds to 1 (0.8 +0.2 =1.0) and 10 (6.4+3.6=10.0)	I can find a percentage of an amount 45% of 300
Summer 1	I know the 5 times table (× and ÷)	I can tell the time to the nearest 5 minute	I know all times tables up to 12 ×12 (× and ÷)	I can count in multiples 10, 100, 1,000, 10,000 to a million	Consolidate previous areas
Summer 2	I can tell the time to the nearest 1/4s and half past minutes	I know halves and doubles of all numbers up to 20 (e.g. double 10=20 Half of 9 =18)	I know number bonds of 100 e.g. 64+36=100 and I know halves and doubles of all numbers up to 50 (e.g. double 25=50 Half of 48 =24)	I can recall metric Conversion e.g. cm to m	Consolidate previous areas

Children will have mastery of these **written calculation skills** by the end of each year.

(*Specific learning needs excepted)

Year 3	Year 4	Year 5	Year 6
Counting in 10s, 100s	Counting in 10s, 100s, 1,000s	Counting in 10s, 100s, 1,000s, 10,000s and 100,000s	Estimating and rounding to nearest whole number up to 1,000,000
Add and subtract 3-digit and 2-digit numbers - crossing 100 including exchange	Add and Subtract two 4-digit numbers - more than one exchange	Add and subtract whole numbers with more than 4 digits (column method)	Add and subtract whole numbers with more than 4 digits (column method)
Multiply 2-digits by 1-digit	Multiply 3-digits by 1-digit	Multiply 4-digits by 2-digits	Multiply up to a 4-digit number by a 2-digit number
Divide 2-digits by 1-digit (with remainders)	Divide 3-digits by 1-digit	Divide 4-digits by 1-digit	Long division
Recognise and find a half, quarter, third	Find equivalent fractions	Improper fractions to mixed numbers, and vice versa	Add and subtract fractions including mixed numbers
	Divide 1 or 2-digits by 10 and 100	Percentages as fractions and decimals	Multiply and divide fractions by integers and fractions