Number: Addition and Subtraction

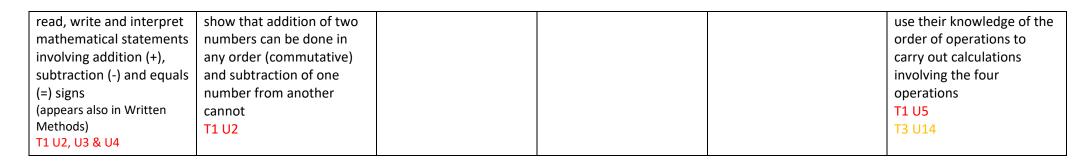| NUMBER BONDS					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
represent and use number bonds and related subtraction facts within 20 T1 U2, U3 & U4 T2 U7 & 8 T3 U16 recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 **Y2** T3 U16	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 T1 U2				

MENTAL CALCULATION					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
add and subtract one-digit and two-digit numbers to 20, including zero T1 U4 T2 U7 & 8	add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones T1 U2 * a two-digit number and tens T1 U2 * two two-digit numbers T1 U3 * adding three one-digit numbers T1 U3	add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds T1 U2 & U3		add and subtract numbers mentally with increasingly large numbers T1 U3	perform mental calculations, including with mixed operations and large numbers T1 U3

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read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Written Methods) T1 U2, U3 & U4	show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot T1 U2				use their knowledge of the order of operations to carry out calculations involving the four operations T1 U5 T3 U14

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WRITTEN METHODS					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Mental Calculation) T1 U2 T2 U8		add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction T1 U2 & U3	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate T1 U3	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) T1 U3	
INVERSE OPERATIONS, ESTIMATING AND CHECKING ANSWERS					
	recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. T1 U2 T3 U12	estimate the answer to a calculation and use inverse operations to check answers T1 U3	estimate and use inverse operations to check answers to a calculation T1 U3	use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy T1 U3	use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy. T3 U14

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PROBLEM SOLVING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ - 9 T1 U3 & U4 T2 U7, 8, 9, 10 & 11 T3 U17	solve problems with addition and subtraction: * using concrete objects and pictorial representations, including those involving numbers, quantities and measures T1 U2 & 3 T2 U8 T3 U12 * applying their increasing knowledge of mental and written methods T1 U2& 3	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction T1 U2 & U3 Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign. T2 U5	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why T1 U3	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why T1 U3	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why T1 U2 T3 U14
	solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change (copied from Measurement) T1 U4				Solve problems involving addition, subtraction, multiplication and division T1 U2 T3 U14

T1- Autumn term
T2- Spring term
T3- Summer term