



Number: Addition and Subtraction

NUMBER BONDS						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	represent and use number bonds and related subtraction facts within 20 Unit 1, 2, 3, 4 & 6 Book 1A	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Unit 2 & 3 Book 2A Unit 12 Book 2C				
MENTAL CALCULATION						
Find the total number of items in two groups by counting all of them In practical activities and discussion, begin to use the vocabulary involved in adding and subtracting Record, using marks that they can interpret and explain ELG - using quantities and objects, they add and subtract two single-digit	add and subtract one-digit and two-digit numbers to 20, including zero Unit 3 & 4 Book 1A Unit 7 & 8 Book 1B	add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers Unit 2 & 3 Book 2A Unit 12 Book 2C	add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds Unit 2 Book 3A		add and subtract numbers mentally with increasingly large numbers Unit 3 Book 5A	perform mental calculations, including with mixed operations and large numbers Unit 3 Book 6A



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numbers and count on or back to find the answer						
	read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Written Methods) Unit 3 & 4 Book 1A Unit 7 & 8 Book 1B	show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot Unit 2 Book 2A Unit 12 Book 2C				use their knowledge of the order of operations to carry out calculations involving the four operations Unit 2 Book 6A
WRITTEN METHODS						
EYFS	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) Unit 3 & 4 Book 1A Unit 7 & 8 Book 1B	add and subtract numbers with up to two digits, using formal written methods of columnar addition and subtraction Unit 2 & 3 Book 2B Unit 12 Book 2C	add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction Unit 2 & 3 Book 3A	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate Unit 3 Book 4A	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) Unit 3 Book 5A	
INVERSE OPERATIONS, ESTIMATING AND CHECKING ANSWERS						
		recognise and use the inverse relationship between addition and	estimate the answer to a calculation and use inverse	estimate and use inverse operations to check answers to a	use rounding to check answers to calculations and determine, in the	use estimation to check answers to calculations and determine, in the



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		subtraction and use this to check calculations and solve missing number problems. Unit 2 Book 2A Unit 12 Book 2C	operations to check answers Unit 3 Book 3A	calculation Unit 3 Book 4A	context of a problem, levels of accuracy Unit 3 Book 5A	context of a problem, levels of accuracy.
PROBLEM SOLVING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Begin to identify their own mathematical problems based on own interests and fascinations	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ Unit 3 Book 1A Unit 7 & 8 Book 1B Unit 16 Book 1C	solve problems with addition and subtraction: * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods Unit 2 & 3 Book 2A Unit 12 & 14 Book 2C	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction Unit 2/3 Book 3A	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why Unit 3 Book 4A	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Unit 3 Book 5A	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Unit 14 Book 6C



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		<p><i>solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change (copied from Measurement)</i></p> <p>Unit 4 Book 2A</p>				<p>Solve problems involving addition, subtraction, multiplication and division</p> <p>Unit 14 Book 6C</p>
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