Addition and subtraction

	NUMBER BONDS					
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
To be able to partition	represent and use	recall and use addition				
using the part whole	number bonds and	and subtraction facts to				
model and understand	related subtraction	20 fluently, and derive				
that one part and one	facts within 20	and use related facts up				
part make a whole.		to 100				
To be able to recall						
the numbers bonds						
which make 5 and some						
which make 10.						
Willer Haro 10.						
To understand the						
process of doubling						
and how this is adding						
the same number.						
				ALCULATION		
To add two numbers	add and subtract one-	add and subtract	add and subtract		add and subtract	perform mental
using objects.	digit and two-digit	numbers using concrete	numbers mentally,		numbers mentally with	calculations, including
	numbers to 20,	objects, pictorial	including:		increasingly large	with mixed operations
To use objects to	including zero	representations, and	* a three-digit		numbers	and large numbers
begin to develop an		mentally, including:	number and ones			
understanding of		* a two-digit number	* a three-digit			
subtraction.		and ones	number and tens			
		* a two-digit number	* a three-digit			
		and tens	number and			
		* two two-digit	hundreds			
		numbers				
		* adding three one-				
		digit numbers				
To be able to find one	read, write and	show that addition of				use their knowledge of
more and one less than	interpret	two numbers can be				the order of operations
a number.	mathematical	done in any order				to carry out calculations
	statements involving	(commutative) and				involving the four
	addition (+),	subtraction of one				operations
	subtraction (-) and	number from another				
	equals (=) signs	cannot				

(appears also in			
Written Methods)			

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

	PROBLEM SOLVING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
To be able to find the	solve one-step	solve problems with	solve problems,	solve addition and	solve addition and	solve addition and	
missing numbers in the	problems that involve	addition and subtraction:	including missing	subtraction two-step	subtraction multi-step	subtraction multi-step	
part whole model and	addition and	* using concrete	number problems,	problems in contexts,	problems in contexts,	problems in contexts,	
recognise that one	subtraction, using	objects and pictorial	using number facts,	deciding which	deciding which	deciding which	
part and one part make	concrete objects and	representations,	place value, and more	operations and	operations and methods	operations and methods	
one whole.	pictorial	including those	complex addition and	methods to use and	to use and why	to use and why	
	representations, and	involving numbers,	subtraction	why			
	missing number	quantities and					
	problems such as	measures					
	7 = 🗆 - 9	* applying their					
		increasing knowledge					
		of mental and					
		written methods					

solve simple problems in		Solve problems involving
a practical context		addition, subtraction,
involving addition and		multiplication and
subtraction of money of		division
the same unit, including		
giving change (copied		
from Measurement)		
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