



Stanley Grove Primary Academy
Skills Map for Maths
Addition and Subtraction

YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
NUMBER BONDS					
represent and use number bonds and related subtraction facts within 20	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				
Mental Calculation					
add and subtract one-digit and two-digit numbers to 20, including zero	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	add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds		add and subtract numbers mentally with increasingly large numbers	perform mental calculations, including with mixed operations and large numbers
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Written Methods)	show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot				use their knowledge of the order of operations to carry out calculations involving the four operations
WRITTEN METHODS					
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in		add and subtract numbers with up to three digits, using formal written methods of columnar addition and	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and	



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Mental Calculation)		subtraction	subtraction where appropriate	subtraction)	
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.	estimate the answer to a calculation and use inverse operations to check answers	estimate and use inverse operations to check answers to a calculation	use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
PROBLEM SOLVING					
solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$	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	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
	<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>				Solve problems involving addition, subtraction, multiplication and division



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VOCABULARY

Number bonds, number line	Number bonds, number line	Column addition, column subtraction	Column addition, column subtraction	Column addition, column subtraction	Rounding, round up to the nearest..., round down to the nearest...
Mathematical symbols (+, -, =)	Mathematical symbols (+, -, =, <, >)	Place value	Place value	Place value	Order of Operations
Even and Odd	Even and Odd	Number facts	Number facts	Number facts	Bidmas
Add, more, plus, make, sum, total, altogether	Add, more, plus, make, sum, total, altogether	Inverse	Estimate	Estimate	Prime numbers
Inverse	Inverse	Equals	Mathematical symbols (+, -, =, <, >)	Mathematical symbols (+, -, =, <, >)	Common factors
Equals	Equals	Mathematical symbols (+, -, =, <, >)	Inverse	Rounding, round up to the nearest..., round down to the nearest...	Common multiples
Difference between	Difference between	Difference between,	Equals	Inverse	Long multiplication
How many more make...?	How many more make...?	How many more make...?	Difference between,	Equals	Mixed operations.
How much more is...?	How much more is...?	How much more is...?	How many more make...?	Difference between,	
Subtract, take away, minus	Subtract, take away, minus	Subtract, take away, minus	How much more is...?	How many more make...?	
How many fewer is...?	How many fewer is...?	How many fewer is...?	Subtract, take away, minus	How much more is...?	
How much less is...?			How many fewer is...?	Subtract, take away, minus	
			How much less is...?	How many fewer is...?	
				How much less is...?	