

NC POS:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6												
Calculation	read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures	add and subtract numbers mentally, including: a three-digit number and ones	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication												
	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1			
	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2
	represent and use number bonds and related subtraction facts within 20	solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods	add and subtract numbers mentally, including: a three-digit number and tens	estimate and use inverse operations to check answers to a calculation	add and subtract numbers mentally with increasingly large numbers	divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context												
	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1
	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2
	add and subtract one-digit and two-digit numbers to 20, including zero	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	add and subtract numbers mentally, including: a three-digit number and tens	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context												
	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1
	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2
	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations,	add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a	add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	recall multiplication and division facts for multiplication tables up to 12 × 12	solve addition and subtraction multi-step problems in contexts, deciding which operations	perform mental calculations, including with mixed operations and large numbers												

and missing number problems such as $7 = \square - 9$.			two-digit number and ones									and methods to use and why.					
AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1
AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2
solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.			add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and tens			estimate the answer to a calculation and use inverse operations to check answers			use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers			identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers			identify common factors, common multiples and prime numbers		
AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1
AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2
			add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two two-digit numbers			solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.			recognise and use factor pairs and commutativity in mental calculations			know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers			use their knowledge of the order of operations to carry out calculations involving the four operations		
AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1
AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2
			add and subtract numbers using concrete objects, pictorial representations, and mentally, including: adding three one-digit numbers			recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables			multiply two-digit and three-digit numbers by a one-digit number using formal written layout			establish whether a number up to 100 is prime and recall prime numbers up to 19			solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why		
AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1	AUT 1	SPR 1	SUM 1
AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2	AUT 2	SPR 2	SUM 2
			show that addition of two numbers can be done in any order (commutative) and			write and calculate mathematical statements for multiplication and division using the			solve problems involving multiplying and adding, including using the distributive law to			multiply numbers up to 4 digits by a one- or two-digit number using a formal written method,			solve problems involving addition, subtraction,		

