

MULTIPLICATION & DIVISION FACTS								
Year 1	Year 2	Year 3		Year 4		Year 5		Year 6
count in multiples of twos, fives and tens (copied from Number and Place Value)	and division facts for the 2,	count from O in multiples of 4, and 100 (copied from Number and Place Value) recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	<u>.</u>	count in multiples 7, 9, 25 and 100 (copied from Num and Place Value) recall multiplication division facts for multiplication tab to 12 × 12	on and	count forwards or in steps of powers any given number of 100000000000000000000000000000000000	of 10 for up to	
	odd and even numbers	WDITTEN	CALCU	II ATION				
\/ 1	\/ O	WRITTEN	CALCU			\/	1	\
Year 1	Year 2	Year 3	101	Year 4	10.5	Year 5	111 1	Year 6
	calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs	for multiplication and	three- a one	oly two-digit and -digit numbers by e-digit number formal written t	digits digit r forma includ multip	ly numbers up to 4 by a one- or two- number using a I written method, ing long lication for two- numbers	digits by a	ulti-digit numbers up to 4 a two-digit whole number using written method of long ion











		(appears also in Mental Methods)		digits b number written division	numbers up to 4 y a one-digit using the formal method of short and interpret ders appropriately context	digit whole written met appropriate numbers to whole num method of remainders fractions, of for the contact where the support where the support of the contact where	bers up to 4-digits by a two- e number using the formal thod of short division where e for the context divide up to 4 digits by a two-digit ber using the formal written long division, and interpret as as whole number remainders, or by rounding, as appropriate attext a division methods in cases answer has up to two decimal bied from Fractions (including
	PROPERTIES OF	NUMBERS: MULTIPLES,_FAC	CTORS, PRIMES, SQUAF	RE AND	CUBE NUMBERS		
Year 1	Year 2	Year 3	Year 4		Year 5		Year 6
			recognise and use factor pairs and commutativity mental calculations (rep	/ in peated)	identify multiples ar including finding al pairs of a number, a common factors of numbers. know and use the vo	II factor and two	identify common factors, common multiples and prime numbers use common factors to











		of prime numbers, prime factors and composite (non-prime) numbers establish whether a number up to 100 is prime and recall prime numbers up to 19	simplify fractions; use common multiples to express fractions in the same denomination (copied from Fractions)
		recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³)	calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³), and extending to other units such as mm³ and km³ (copied from Measures)

ORDER OF OPERATIONS							
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
					use their knowledge of the order of operations to carry out calculations involving the four operation		
INVERSE OPERATIONS, ESTIMATING AND CHECKING ANSWERS							
		estimate the answer to a calculation and use inverse	estimate and use inverse operations to check answers		use estimation to check answers to calculations and		











operations to check answers (copied from Addition and Subtraction)	to a calculation (copied from Addition and Subtraction)	determine, in the context of a problem, levels of accuracy

PROBLEM SOLVING							
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
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	solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects	solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	solve problems involving addition, subtraction, multiplication and division		
				solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	solve problems involving similar shapes where the scale factor is known or can be found (copied from Ratio and Proportion)		







