



The best for everyone, the best from everyone

YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	
TEAR 1	TEAN Z			TEAR 3	TEAR 0	
and in modified as of towns	MULTIPLICATION AND DIVISION FACTS					
count in multiples of twos,	count in steps of 2, 3,	count from 0 in	count in multiples of 6,	count forwards or		
fives and tens (copied from	and 5 from 0, and in	multiples of 4, 8, 50 and	7, 9, 25 and 1 000	backwards in steps of		
Number and Place Value)	tens from any number,	100 (copied from	(copied from Number	powers of 10 for any given		
	forward or backward	Number and Place	and Place Value)	number up to 1 000 000		
	(copied from Number	Value)		(copied from Number and		
	and Place Value)			Place Value)		
	recall and use	recall and use	recall multiplication			
	multiplication and	multiplication and	and division facts for			
	division facts for the 2,	division facts for the 3, 4	multiplication tables up			
	5 and 10 multiplication	and 8 multiplication	to 12 × 12			
	tables, including	tables				
	recognising odd and					
	even numbers					
		MENTAL	CALCULATION			
		write and calculate	use place value, known	multiply and divide numbers	perform mental	
		mathematical	and derived facts to	mentally drawing upon	calculations, including with	
		statements for	multiply and divide	known facts	mixed operations and large	
		multiplication and	mentally, including:		numbers	
		division using the	multiplying by 0 and 1;			
		multiplication tables	dividing by 1;			
		that they know,	multiplying together			
		including for two-digit	three numbers			
		numbers times one-				
		digit numbers, using				
		mental and				
		progressing to formal				
		written methods				
		(appears also in				
		Written Methods)				
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	show that		recognise and use	multiply and divide whole	associate a fraction with
	multiplication of two		factor pairs and	numbers and those involving	division and calculate
	numbers can be don	e	commutativity in	decimals by 10, 100 and	decimal fraction
	in any order		mental calculations	1000	equivalents (e.g. 0.375) for
	(commutative) and		(appears also in		a simple fraction (e.g. ³/8)
	division of one numb	er	Properties of		(copied from Fractions)
	by another cannot		Numbers)		
		WRITTEN	CALCULATION		
	calculate mathemati	cal write and calculate	multiply two-digit and	multiply numbers up to 4	multiply multi-digit
	statements for	mathematical	three-digit numbers by	digits by a one- or two-digit	numbers up to 4 digits by a
	multiplication and	statements for	a one- digit number	number using a formal	two-digit whole number
	division within the	multiplication and	using formal written	written method, including	using the formal written
	multiplication tables	9	layout	long multiplication for two-	method of long
	and write them using	•		digit numbers	multiplication
	the multiplication (x)	•			
	division (÷) and equa	_			
	(=) signs	numbers times one-			
		digit numbers, using			
		mental and progressing			
		to formal written			
		methods (appears also			
		in Mental Methods)			
				divide numbers up to 4 digits	divide numbers up to 4-
				by a one- digit number using	digits by a two-digit whole
				the formal written method of	number using the formal
				short division and interpret	written method of short
				remainders appropriately for	division where appropriate
				the context	for the context divide
					numbers up to 4 digits by a
					two-digit whole number
					using the formal written
					method of long division,
					and interpret remainders as





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					whole number remainders, fractions, or by rounding, as appropriate for the context
					use written division methods in cases where the answer has up to two decimal places (copied from Fractions (including
					decimals))
	PROPERTIES	OF NUMBERS: MULTIPLES, FA	ACTORS, PRIMES, SQUARE	S AND CUBE NUMBERS	
			recognise and use factor pairs and commutativity in mental calculations (repeated)	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 use common factors to simplify fractions; use common multiples to express fractions in the same denomination (copied from Fractions)
				know and use the vocabulary of prime numbers, prime factors and composite (non- prime) numbers	calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm) and cubic metres (m), and extending to other units such as mm and km (copied from Measures)
				establish whether a number up to 100 is prime and recall prime numbers up to 19	





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				recognise and use square numbers and cube numbers, and the notation for squared 2 3 () and cubed ()	
		ORDER O	FOPERATIONS		
	IN	verse operations, estimate the answer to a calculation and use inverse operations to check answers (copied from Addition and	estimate and use inverse operations to check answers to a calculation (copied from Addition and	NSWERS	use their knowledge of the order of operations to carry out calculations involving the four operations use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy
		Subtraction)	Subtraction)		
CORE VOCABULARY			OCABULARY		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Odd, even, how many times, lots of, groups of, multiply, multiple of, repeated addition, array, row, double, halve, share, share equally, equal groups of, divide, divided by, left over	Odd, even, how many times, lots of, groups of, multiply, multiple of, repeated addition, array, row, double, halve, share, share equally, equal groups of, divide, divided by, left over	Multiples of, scale up, multiply, multiple of, repeated addition, array, row, share, share equally, equal groups of, divide, divided by, left over, product, scale up	Multiplications facts (up to 12 x 12), division facts, inverse, derive	Efficient written method, factor pairs, composite, prime, prime factor, square numbers, cubed numbers, formal written method	Order of operations, bidmas, common factors, common multiples