Progression of Skills: Multiplication and Division



Nursery	Reception	Y1	Y2	Y3	Y4	Y5	Y6
Multiplication	Multiplication	Multiplication	Multiplication and	Multiplication and	Multiplication and	Multiplication and	Addition,
and division	and division	and division	division	division	division	division	subtraction,
							multiplication and
Pupils	Pupils should be	Pupils should	Pupils should be	Pupils should be	Pupils should be	Pupils should be	division
should be	taught to:	be taught to:	taught to:	taught to:	taught to:	taught to:	
taught to:	taagiit to:	no taugin to:	laagii to:	laagiii to:	laagiii ioi	taag to.	Pupils should be
laugiii to	Find the total	Solve one-step	Recall and use	Recall and use	Recall multiplication	Identify multiples and	taught to:
Compare two	number of items in	problems	multiplication and division	multiplication and division	and division facts for	factors, including finding	taught to.
groups of	two groups by	involving	facts for the 2, 5 and 10	facts for the 3, 4 and 8	multiplication tables	all factor pairs of a	Multiply multi-digit
objects, saying	counting all of them.	multiplication and	multiplication tables,	multiplication tables	up to 12 x 12	number, and common	numbers up to 4 digit
when they have		division, by	including recognising odd		•	factors of two numbers	by a two-digit whole
the same	Record, using	calculating the	and even numbers	Write and calculate	Use place value,		number using the
number	marks that they can	answer using		mathematical statements	known and derived	Know and use the	formal written method
	interpret and	concrete objects,	Calculate mathematical	for multiplication and	facts to multiply and	vocabulary of prime	of long multiplication
Show an	explain.	pictorial	statements for	division using the	divide mentally,	numbers, prime factors	
interest in	Desire to the eff	representations	multiplication and division	multiplication tables that	including: multiplying	and composite (non-	Divide numbers up to
number	Begin to identify	and arrays with	within the multiplication	they know, including for	by 0 and 1; dividing	prime) numbers	4 digits by a two-digit
problems	own mathematical	the support of the teacher	tables and write them	two-digit numbers times one-digit numbers, using	by 1; multiplying together three	Establish whether a	whole number using
Chavean	problems based on own interests and	leacher	using the multiplication	mental and progressing	numbers	number up to 100 is	the formal written
Show an interest in	fascinations		(x), division (÷) and equals (=) signs	to formal written methods	Hambers	prime and recall prime	method of long
representing	1030110tion3		equals (=) signs	to formal writter metricus	Recognise and use	numbers up to 19	division, and interpre remainders as whole
numbers	ELG		Show that multiplication	Solve problems, including	factor pairs and	Tramboro up to 10	number remainders,
Hamboro	They solve		of two numbers can be	missing number	commutativity in	Multiply numbers up to 4	fractions, or by
	problems, including		done in any order	problems, involving	mental calculations	digits by a one- or two-	rounding, as
	doubling, halving		(commutative) and	multiplication and		digit number using a	appropriate for the
	and sharing		division of one number by	division, including	Multiply two-digit and	formal written method,	context
			another cannot	positive integer scaling	three-digit numbers	including long	
				problems and	by a one-digit number	multiplication for two-digit	Divide numbers up to
			Solve problems involving	correspondence	using formal written	numbers	4 digits by a two-digit
			multiplication and	problems in which n	layout	NA database and altribute	number using the
			division, using materials,	objects are connected to	Solve problems	Multiply and divide numbers mentally	formal written method
			arrays, repeated addition,	m objects	involving multiplying	drawing upon known	of short division when
			mental methods, and multiplication and division		and adding, including	facts	appropriate,
			facts, including problems		using the distributive	14010	interpreting remainders according
			in contexts		law to multiply two	Divide numbers up to 4	to the context
			iii oonioxio		digit numbers by one	digits by a one-digit	to the context
					digit, integer scaling	number using the formal	Perform mental
					problems and harder	written method of short	calculations, includin
					correspondence	division and interpret	with mixed operation
					problems such as n	remainders appropriately	and large numbers
					objects are connected	for the context	
					to m objects		Identify common
						Multiply and divide whole	factors, common
						numbers and those involving decimals by 10,	multiples and prime numbers

		Recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³) 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	operations and methods to use and why Solve problems involving addition, subtraction, multiplication and division Use estimation to check answers to calculations and determine, in the context of a problem,
		Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	