

Multiplication and Division

	MULTIPLICATION & DIVISION FACTS				
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count in multiples	count in steps of 2, 3, and 5 from 0,	count from 0 in multiples of 4, 8, 50 and 100	count in multiples of 6, 7, 9,	count forwards or	
of twos, fives and	and in tens from any number,	(copied from Number and Place Value)	25 and 1 000	backwards in steps of	
tens	forward and backward		(copied from Number and	powers of 10 for any	
(copied from	(copied from Number and Place		Place Value)	given number up to	
Number and Place	Value)			1 000 000	
Value)				(copied from Number	
	Numberblocks: Fifty-counting in			and Place Value)	
Numberblocks:	5s				
Fifty-counting in	https://www.bbc.co.uk/iplayer/episode/m0007jym/numb erblocks-series-4-fifty				
5s	Number blocks, One Hundred				
https://www.bbc.co.uk/iplayer/episode/m0007jym/numberb	Numberblocks: One Hundred-				
locks-series-4-fifty	counting in tens https://www.bbc.co.uk/iplayer/episode/m0007lkw/numb				
Numberblocks:	erblocks-series-4-one-hundred				
One Hundred-	Numberblocks: Land of the				
counting in tens	Giants- counting in tens				
https://www.bbc.co.uk/iplayer/episode/m0007lkw/numberb	https://www.bbc.co.uk/iplayer/episode/m0007gcv/numb erblocks-series-4-land-of-the-giants				
locks-series-4-one-hundred					
Numberblocks:	Numberblocks: I can count to				
Land of the	twenty				
Giants- counting	https://www.bbc.co.uk/iplayer/episode/m0006s5q/numb erblocks-series-4-i-can-count-to-twenty				
in tens					
https://www.bbc.co.uk/iplayer					
/episode/m0007gcv/numberb locks-series-4-land-of-the-					
<u>giants</u>					
Numberblocks: I					
can count to					
twenty					
https://www.bbc.co.uk/iplayer/episode/m0006s5g/number					
blocks-series-4-i-can-count- to-twenty					

Numberblocks: Double Troubledoubling and halving upto 8

https://www.bbc.co.uk/iplayer/episode/b08q4jkq/numberblocks-series-2-double-trouble

recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

Numberblocks: Double Trouble-doubling and halving upto 8

https://www.bbc.co.uk/iplayer/episode/b08q4jkq/numberblocks-series-2-double-trouble

Numberblocks: Odds and Ovens https://www.bbc.co.uk/iplayer/episode/b08r2l4d/numbe rblocks-series-2-odds-and-evens

Numberblocks: Ride the Raysodd and even

https://www.bbc.co.uk/iplayer/episode/m0002724/numberblocks-series-3-ride-the-rays

Numberblocks: Loop the Loopunderstand repeated addition

https://www.bbc.co.uk/iplayer/episode/m00064v6/numberblocks-series-4-loop-the-loop

Number blocks: Sign of the times

https://www.bbc.co.uk/iplayer/episode/m0006w 5r/numberblocks-series-4-sign-of-the-times

Number blocks: Fun time fair

https://www.bbc.co.uk/iplayer/episode/m0006xcc/numberblocks-series-4-fun-times-fair

Numberblocks: Terrible Twosday-division by 2

https://www.bbc.co.uk/iplayer/episode/m0006xds/numberblocks-series-4-terrible-twosday

Numberblocks: Sixty's High Score-ten times table

https://www.bbc.co.uk/iplayer/episode/m0007n47/numberblocks-series-4-sixtys-high-score

recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

Number blocks: Sign of the times

https://www.bbc.co.uk/iplayer/episode/m0006w5r/number blocks-series-4-sign-of-the-times

Number blocks: Fun time fair

https://www.bbc.co.uk/iplayer/episode/m0006xcc/numberblocks-series-4-fun-times-fair

Number blocks: The Lair of the Share

https://www.bbc.co.uk/iplayer/episode/m0006xcw/numberblocks-series-4-the-lair-of-shares

Number blocks: Divide and Dive

https://www.bbc.co.uk/iplayer/episode/m0006xfs/numberblocks-series-4-divide-and-drive

recall multiplication and division facts for multiplication tables up to 12×12

	Numberblocks: Land of the Giants- 10 times table https://www.bbc.co.uk/iplaver/episode/m0007gcv/numberblocks-series-4-land-of-the-giants				
		MENTAL CALCULATIO	N		
		write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers (and including regrouping), using mental and progressing to formal written methods (appears also in Written Methods) Number blocks: The Way of the Rectangle https://www.bbc.co.uk/iplayer/episode/m000271w/numberblocks-series-3-the-way-of-the-rectangle	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	multiply and divide numbers mentally drawing upon known facts	perform mental calculations, including with mixed operations and large numbers
	show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot Numberblocks: The Way of the Rectangle-2 x 6 is the same amount as 6 x 2 https://www.bbc.co.uk/iplayer/episode/m000271w/numberblocks-series-3-the-way-of-the-rectangle		recognise and use factor pairs and commutativity in mental calculations (appears also in Properties of Numbers)	multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. ³ / ₈) (copied from Fractions)
		WRITTEN CALCULATION	N	<u> </u>	
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication	write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal	multiply two-digit and three-digit numbers by a one-digit number using formal written layout	multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long	multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal

(×), division (÷) and equals (=) signs	written methods (appears also in Mental Methods)	multiplication for two-digit numbers	written method of long multiplication
Signs	ivietrious)	divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context	divide numbers up to 4-digits by a two-digit whole number using the formal written method of short division where appropriate 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 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, FACTORS, PRIMES, SQUARE AND CUBE NUMBERS					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
			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. know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers establish whether a number up to 100 is prime and recall prime numbers up to 19	identify common factors, common multiples and prime numbers	
				recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³) Numberblocks: Square Club https://www.bbc.co.uk/iplayer/episode/m00063vq/numberblocks-series-4-square-club	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)	