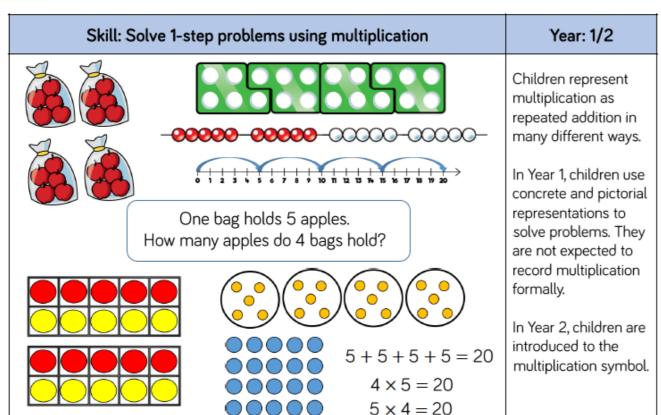
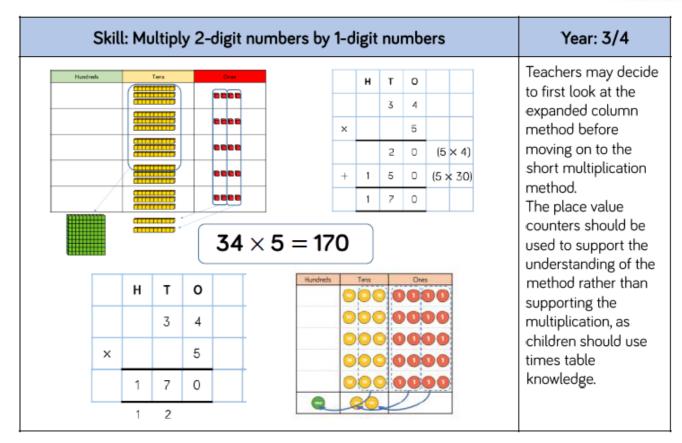
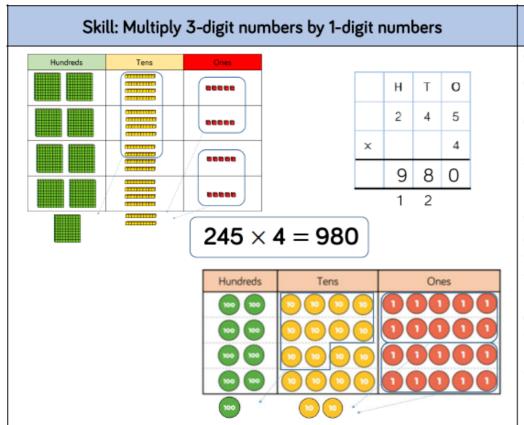


Calculation Policy - Multiplication



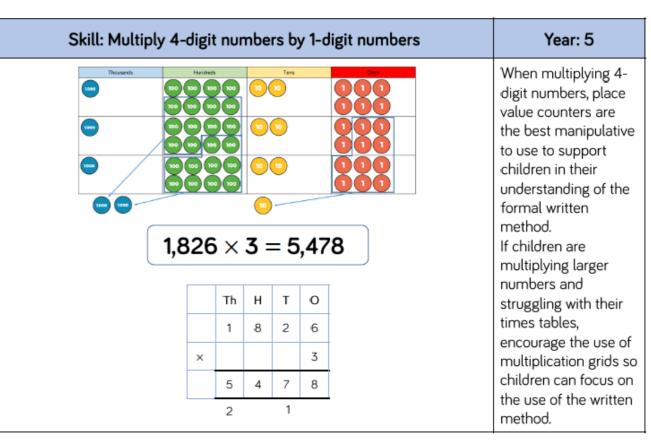






When moving to 3digit by 1-digit multiplication, encourage children to move towards the short, formal written method. Base 10 and place value counters continue to support the understanding of the written method. Limit the number of exchanges needed in the questions and move children away from resources when multiplying larger numbers.

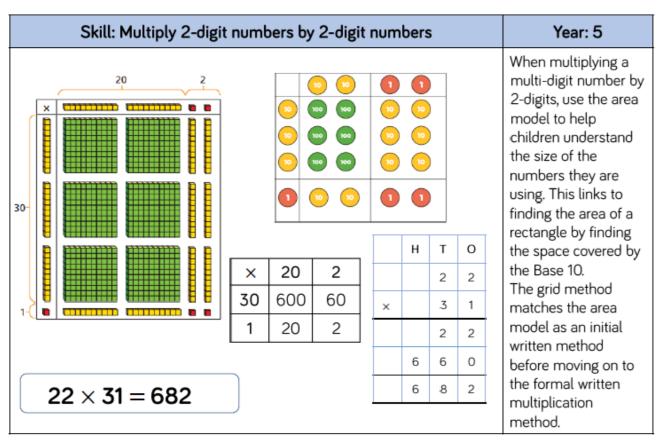
Year: 3/4





Calculation Policy - Multiplication (cont)





Skill: Multiply 3-digit nu	Year: 5						
	Children can continue to use the area model						
100 100 10 10	ששע		Th	Н	Т	0	when multiplying 3-
100 1000 100 100 100	10 10 10	10		2	3	4	digits by 2-digits. Place value counters
100 100 100 100	10 10 10	10	×		3	2	become more
10 100 100 100	10 10 16	100		4	6	8	efficient to use but Base 10 can be used
100 100 10 10 10			17	10	2	0	to highlight the size of
100 100 10 10 10			7	4	8	8	numbers.
	Encourage children to move towards the						
	×	200			4	formal written method, seeing the	
	30	6,000			120		links with the grid method.
234 × 32 = 7,488	2	400	60		8		
254 × 52 - 1,400							

Skill: Multiply	Year: 5/6						
	TTh	Th	Н	Т	0		When multiplying 4- digits by 2-digits, children should be confident in the written method.
		2	7	3	9		
	×			2	8		If they are still struggling with times
	2	1 5	9	1 7	2		tables, provide multiplication grids to support when they
	5 1	4	7 1	8	0		are focusing on the use of the method.
	7	6	6	9	2		Consider where
2,739 × 28 = 3	exchanged digits are placed and make sure this is consistent.						

Key Vocabulary

Array – An ordered collection of counters, cubes or other item in rows and columns.

Commutative – Numbers can be multiplied in any order.

Dividend – In division, the number that is divided.

Divisor – In division, the number by which another is divided.

Exchange – Change a number or expression for another of an equal value.

Factor – A number that multiplies with another to make a product.

Multiplicand – In multiplication, a number to be multiplied by another.

Partitioning – Splitting a number into its component parts.

Product - The result of multiplying one number by another.

Quotient - The result of a division

Remainder – The amount left over after a division when the divisor is not a factor of the dividend.

Scaling – Enlarging or reducing a number by a given amount, called the scale factor