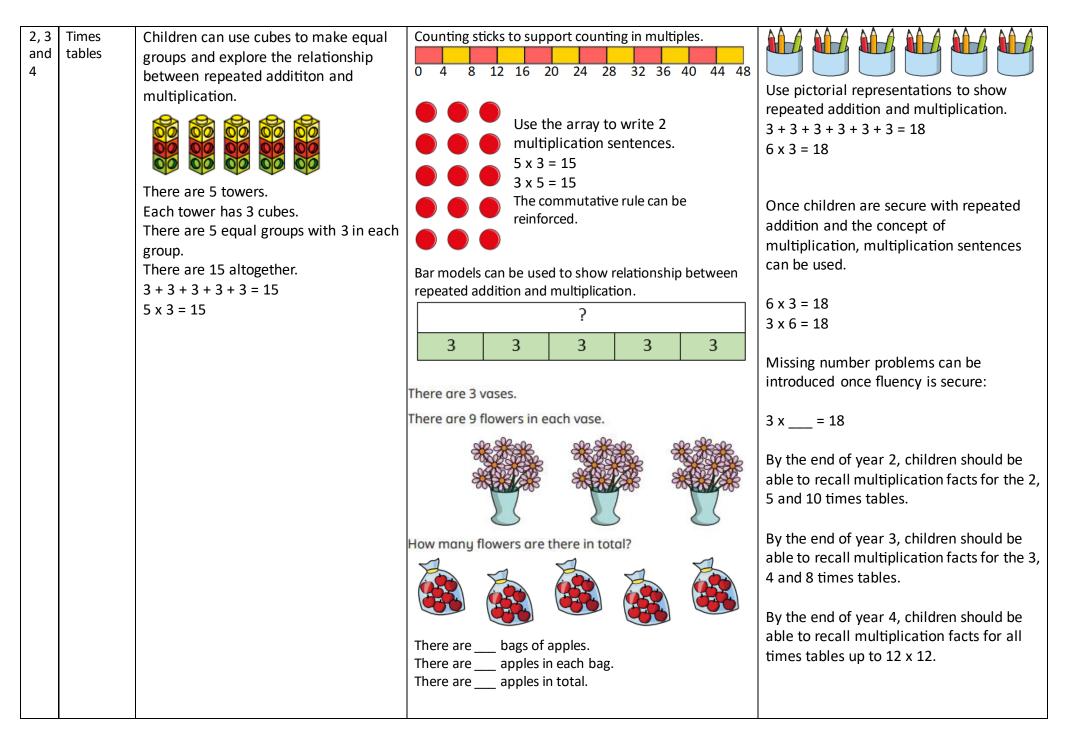
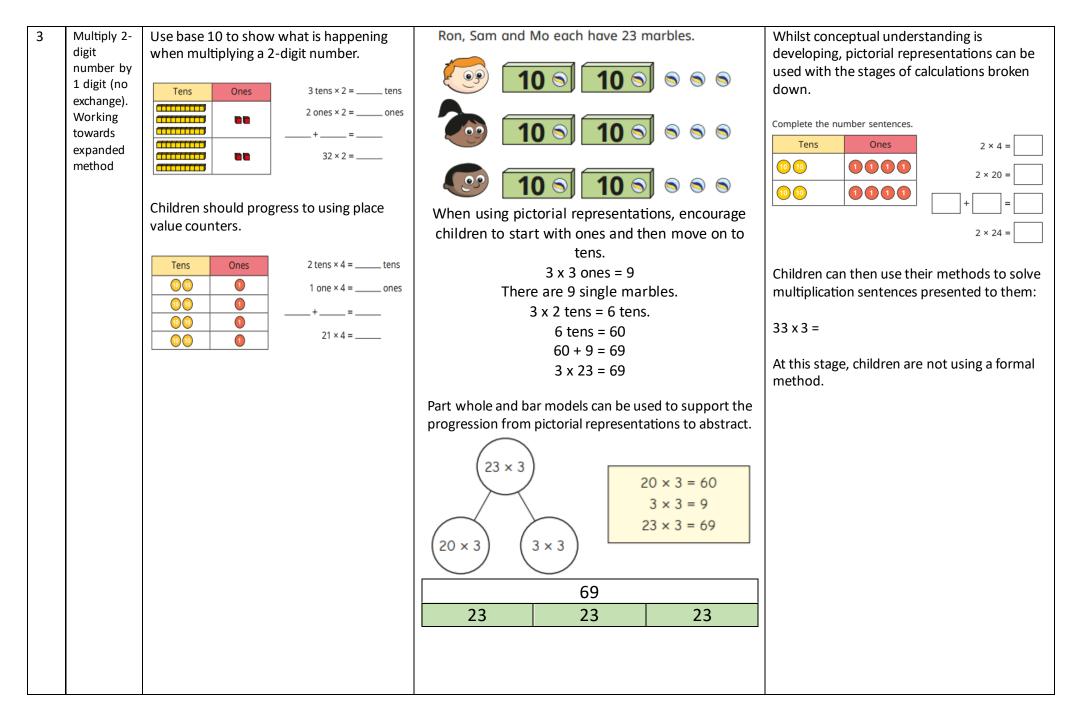
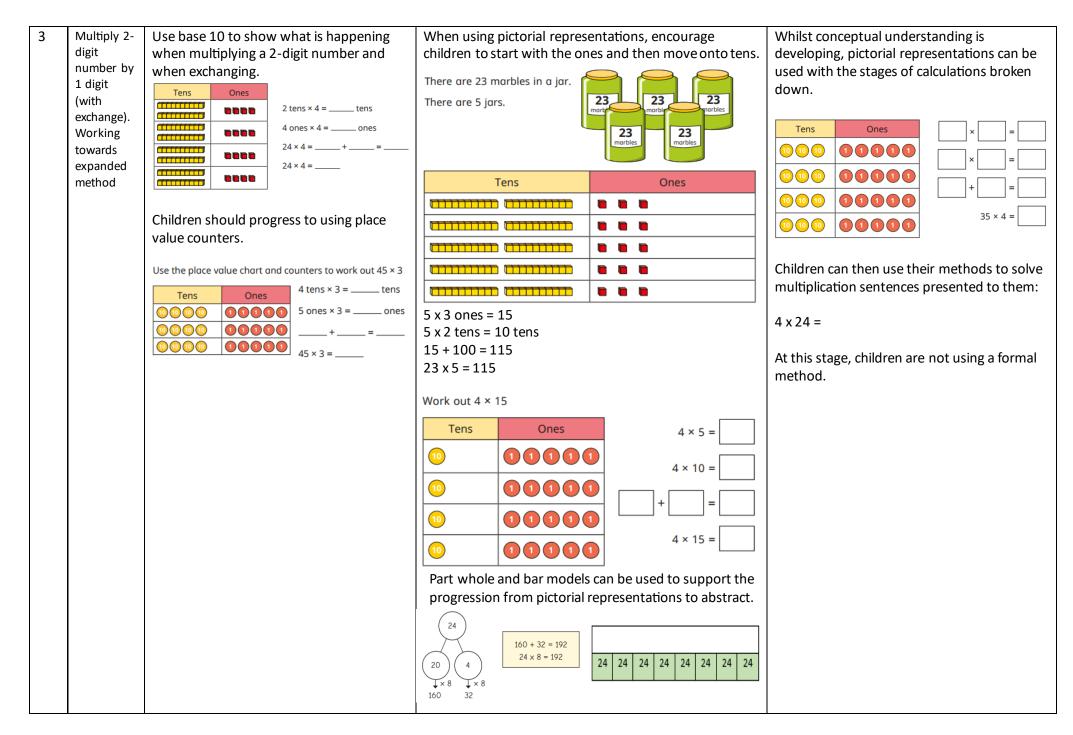
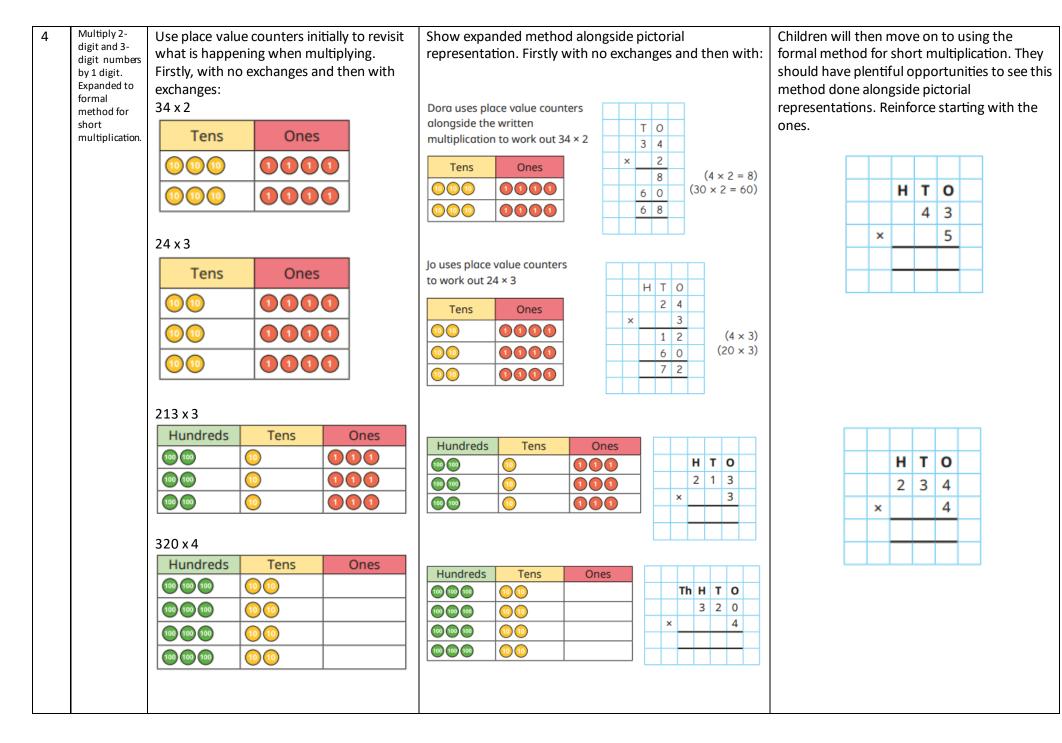
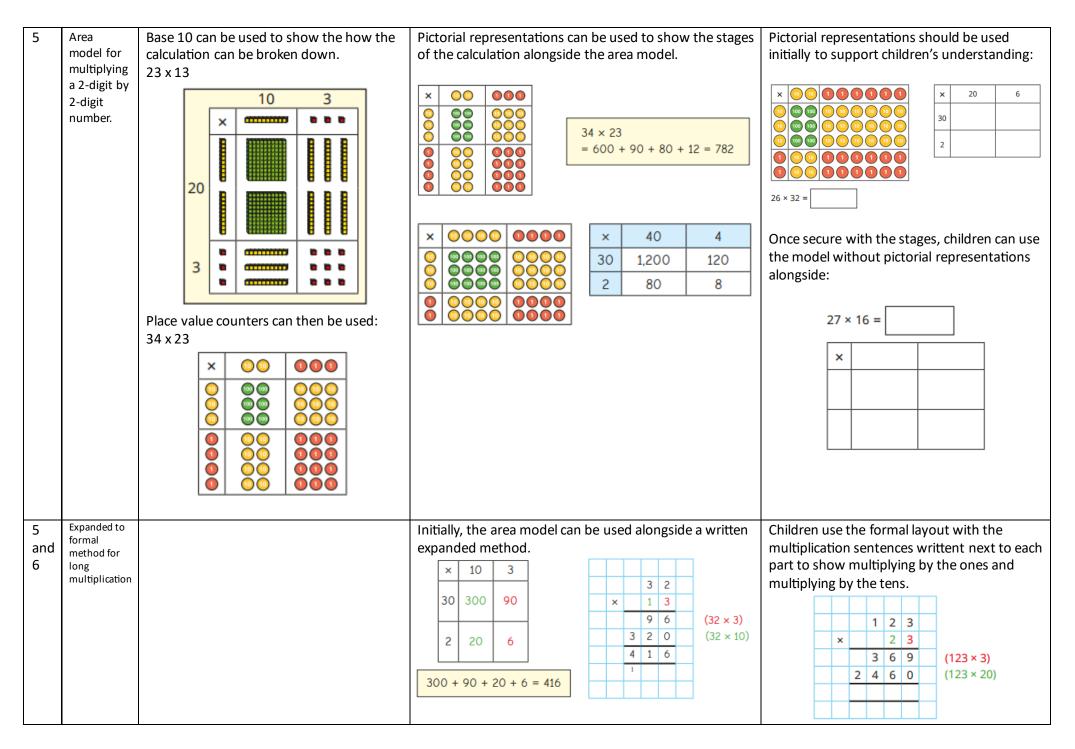
Year	Objective	Concrete	Pictorial	Abstract
1	Repeated	antine antine areas	There are 3 plates. Each plate has 2 star	Write addition sentences to describe
and	addition	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	biscuits on. How many biscuits are	objects and pictures.
2		3 + 3 + 3	there?	
			· · · · · · · · · · · · · · · · · · ·	AAA
				202020
				2 + 2 + 2 = 6
		Use different	2 + 2 + 2 = 6	
		objects to add	5 5 5	
		equal groups.		
			0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	
			5 + 5 + 5 = 15	
1	Arraysto	Create arrays using counters/cubes to	Draw arrays in different rotations to find	Use an array to write multiplication
and	show commutative multiplication	show multiplication sentences.	commutative multiplication sentences.	sentences and reinforce repeated
2			● ● ● ● 4×2=8	addition.
				00000
			2 × 4 = 8	00000
				00000
			○ ○ 2×4=8	
				5 + 5 + 5 = 15
			$4 \times 2 = 8$	0 . 0 . 0 . 0 . 0 . 45
				3 + 3 + 3 + 3 + 3 = 15
			Link arrays to area of rectangles.	$5 \times 3 = 15$
				5 x 5 = 15
				3 x 5 = 15











		Children should then be able to use the formal method for long multiplication, remembering the stages needed:		
		3 2 4 2		
		× 21		
		3 2 4 2		
		6 4 8 4 0		
NB	Be mindful that concrete and pictorial representation will continue to support conceptual understanding at all stages of learning and are good for retrieval.			
	Some learners in higher year groups will still need to use concrete resources and pictorial representations so adaptive practice will be needed to ensure all children			
	can access the learning in all lessons.			