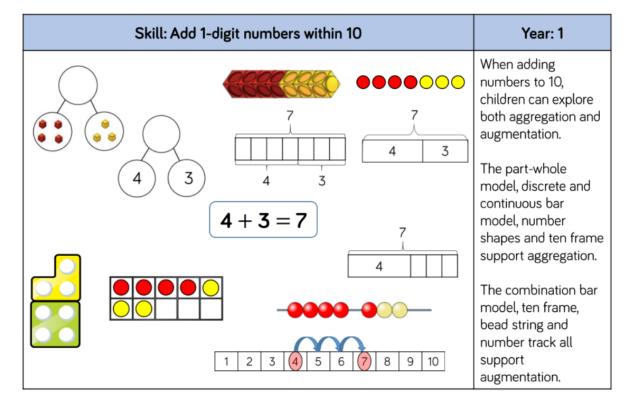
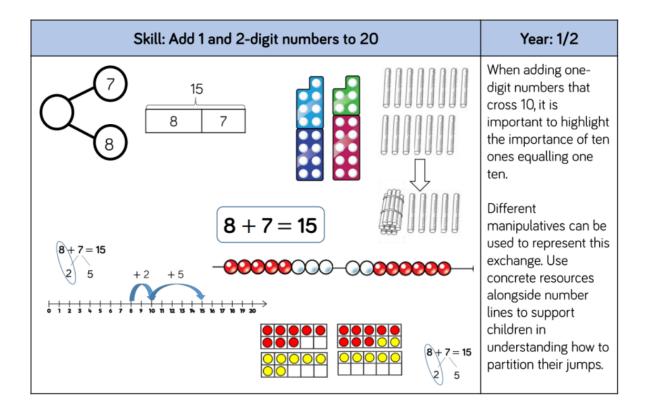
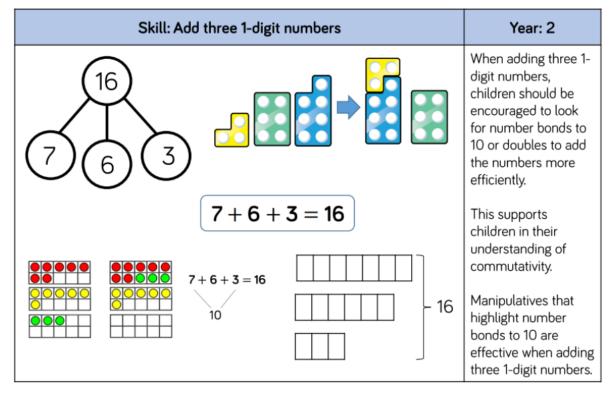
CALCULATION POLICY: WEAVER PRIMARY SCHOOL

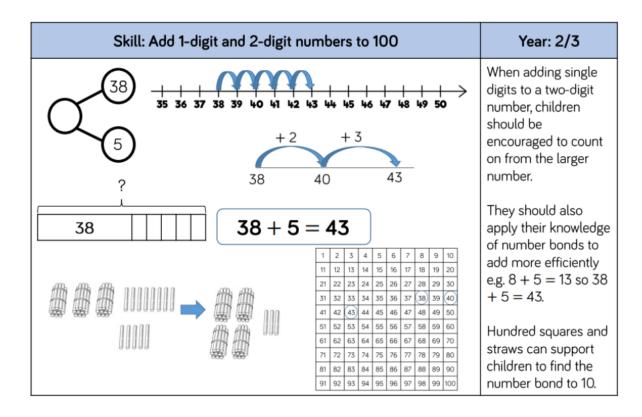
At Weaver Primary School, we teach a rich, balanced and progressive curriculum using maths to reason, problem solve and develop fluent conceptual understanding. In order to achieve this successfully, we follow a carefully planned and sequenced curriculum. Our calculation policy has been taken from White Rose Maths to support the sequenced teaching of addition, subtraction, multiplication and division. We have found the White Rose calculation policy to be the one which works best for the needs of our children at Weaver and suits the way in which we teach Maths. The use of concrete resources, manipulatives and models and images underpins this calculation policy.

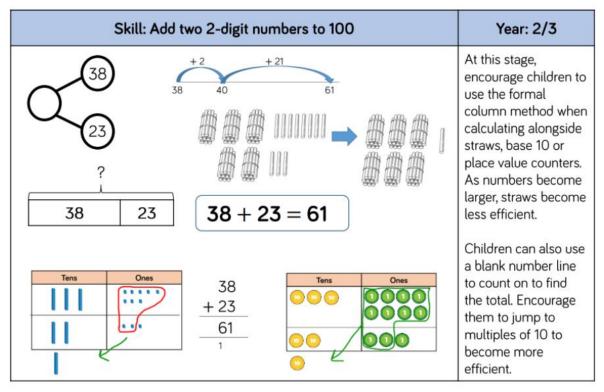
ADDITION

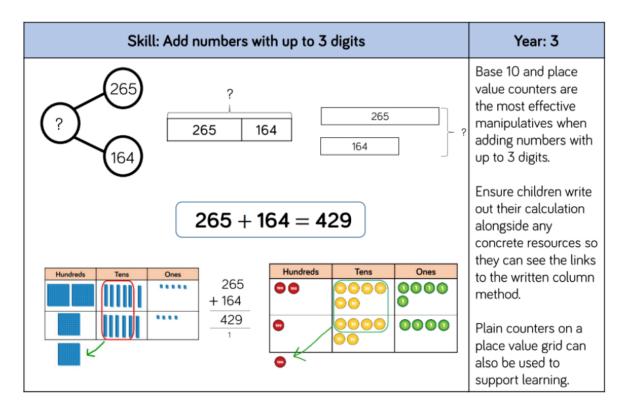


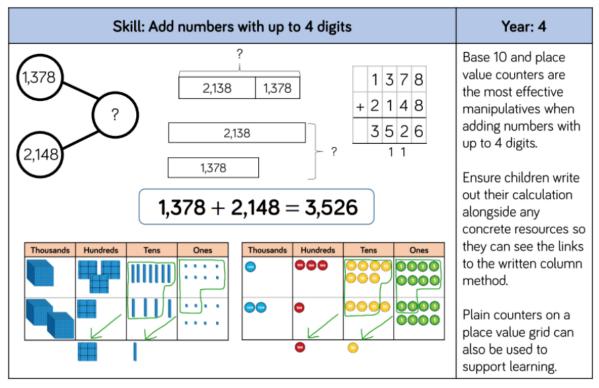


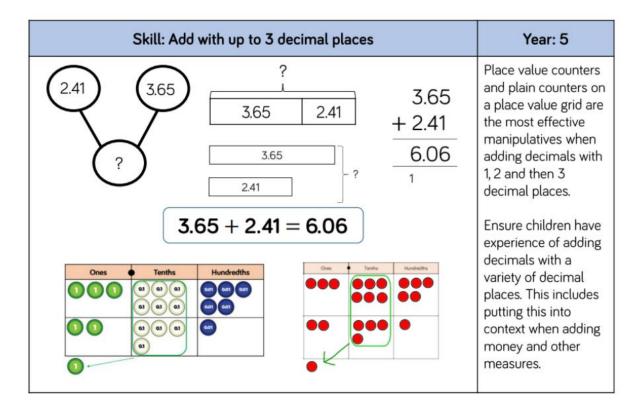


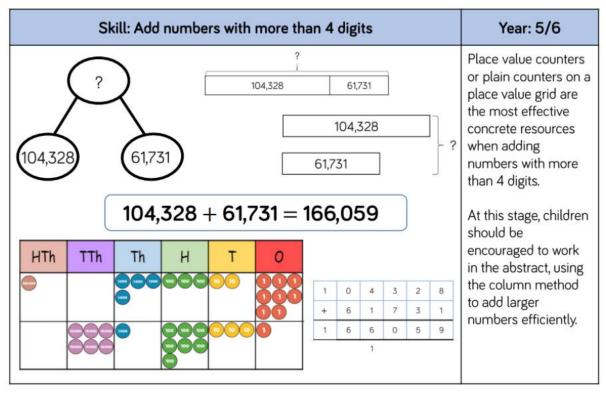




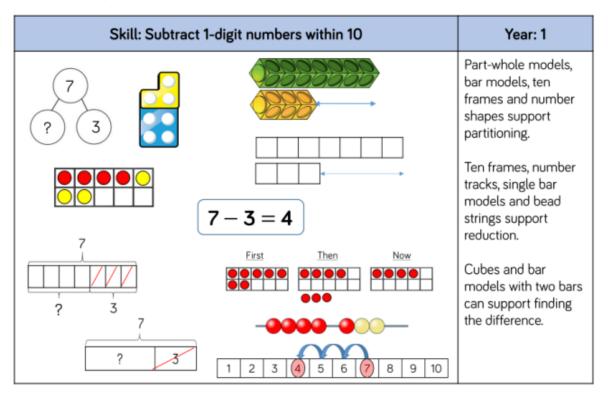


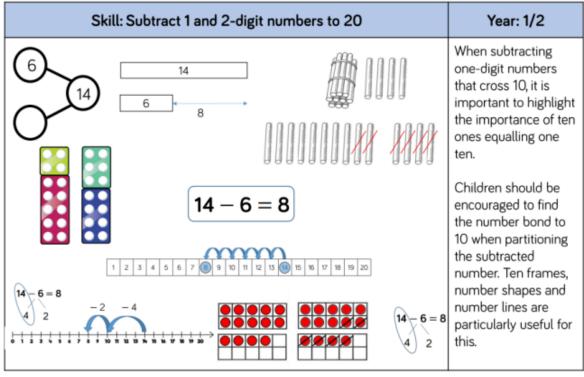


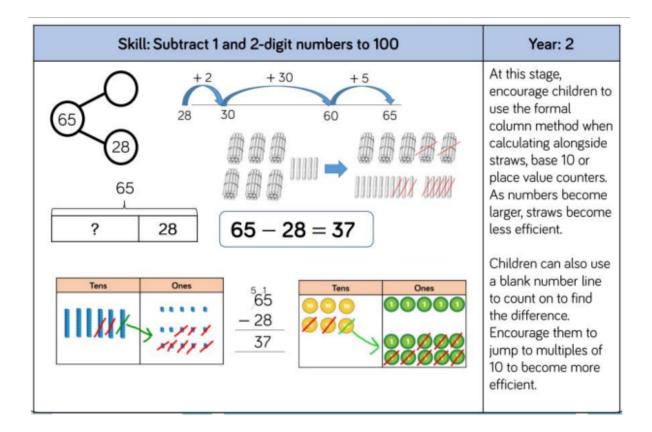


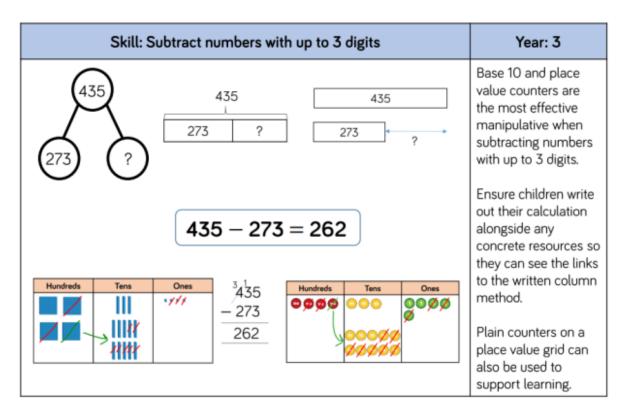


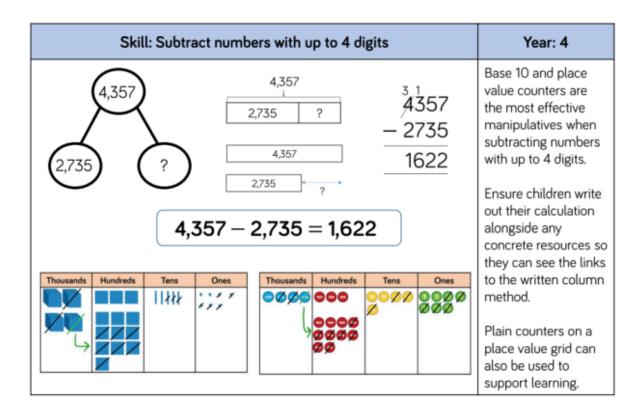
SUBTRACTION

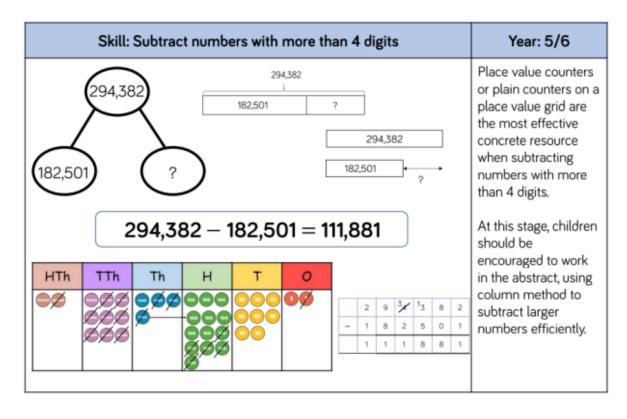


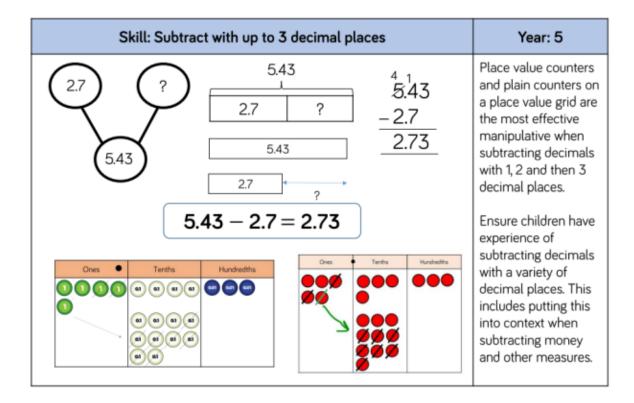












MULTIPLICATION

Our calculation policy for multiplication starts with a breakdown of times tables; what should be taught when and what that teaching should look like.

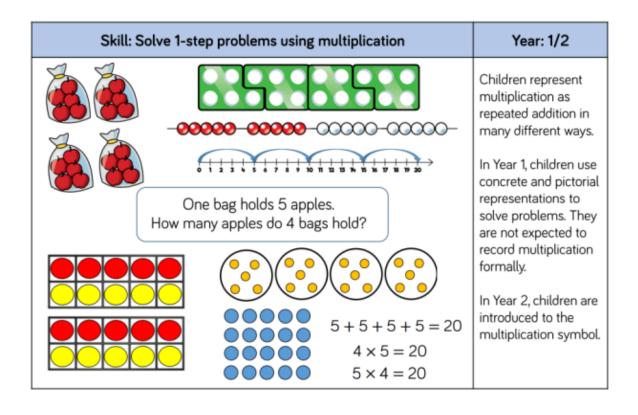
During the Summer Term, the children in Year 4 sit the Multiplication Tables Check in line with the Government's assessment framework.

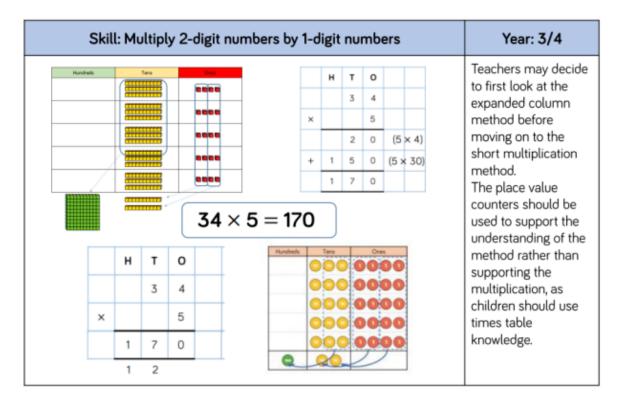
Times tables continue to be recalled and tested throughout Years 5 and 6.

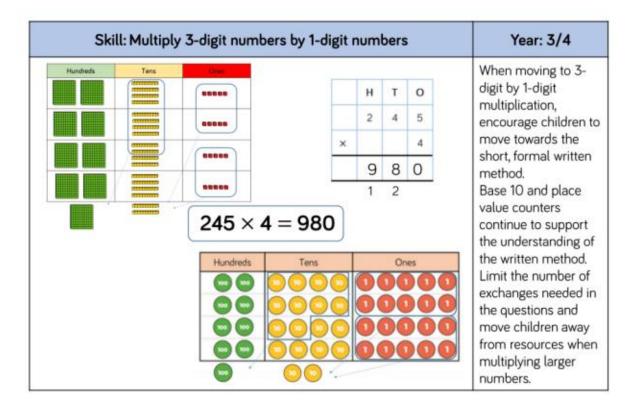
Skill	Year	Representations and models				
Recall and use	2	Bar model	Ten frames			
multiplication and		Number shapes	Bead strings			
division facts for the		Counters	Number lines			
2-times table		Money	Everyday objects			
Recall and use	2	Bar model	Ten frames			
multiplication and		Number shapes	Bead strings			
division facts for the		Counters	Number lines			
5-times table		Money	Everyday objects			
Recall and use multiplication and division facts for the 10-times table		Hundred square Number shapes Counters Money	Ten frames Bead strings Number lines Base 10			

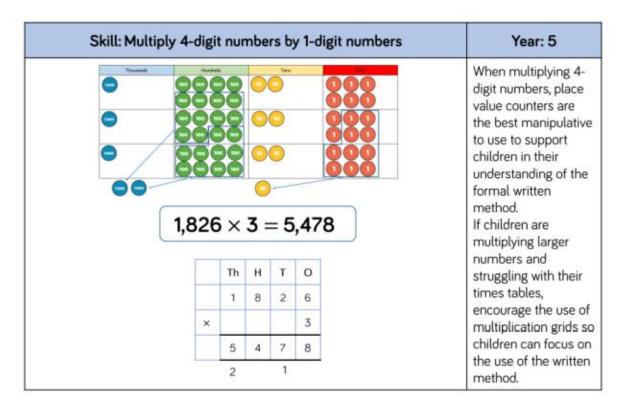
Skill	Year	Representations and models					
Recall and use multiplication and division facts for the 3-times table	3	Hundred square Number shapes Counters	Bead strings Number lines Everyday objects				
Recall and use multiplication and division facts for the 4-times table	3	Hundred square Number shapes Counters	Bead strings Number lines Everyday objects				
Recall and use multiplication and division facts for the 8-times table	3	Hundred square Number shapes	Bead strings Number tracks Everyday objects				
Recall and use multiplication and division facts for the 6-times table	4	Hundred square Number shapes	Bead strings Number tracks Everyday objects				

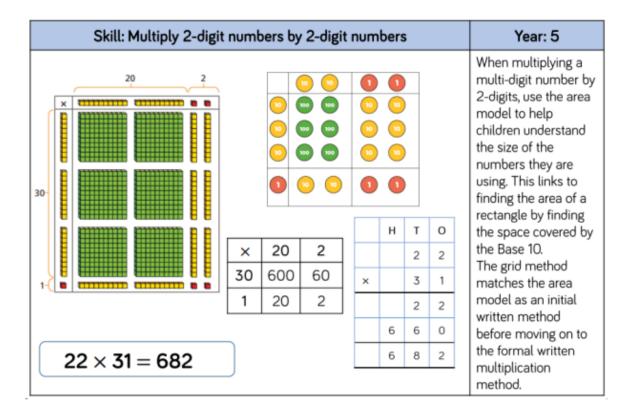
Skill	Year	Representation	ons and models		
Recall and use multiplication and division facts for the 7-times table	4	Hundred square Number shapes	Bead strings Number lines		
Recall and use multiplication and division facts for the 9-times table	4	Hundred square Number shapes	Bead strings Number lines		
Recall and use multiplication and division facts for the 11-times table	4	Hundred square Base 10	Place value counters Number lines		
Recall and use multiplication and division facts for the 12-times table	multiplication and division facts for the		Place value counters Number lines		

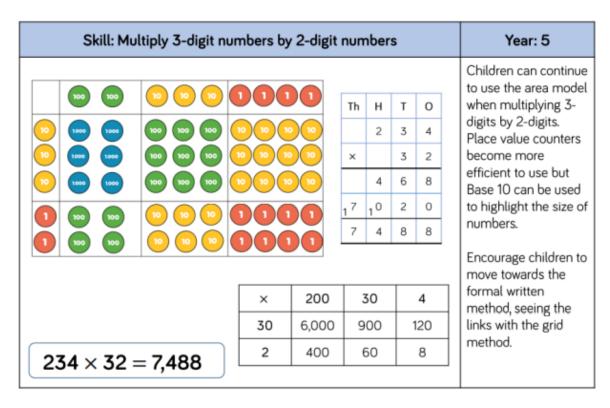






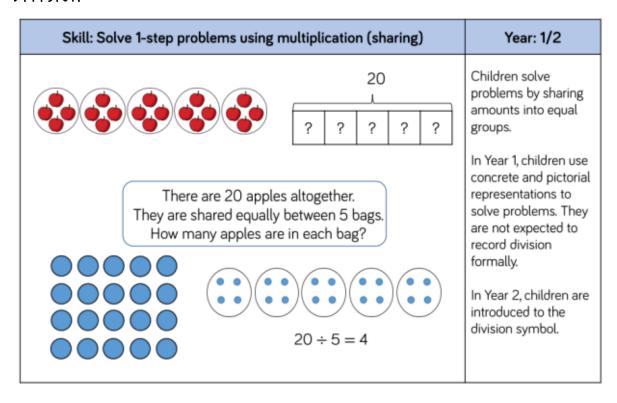


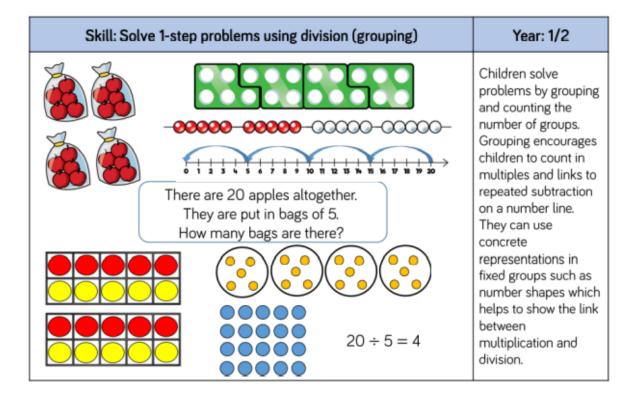


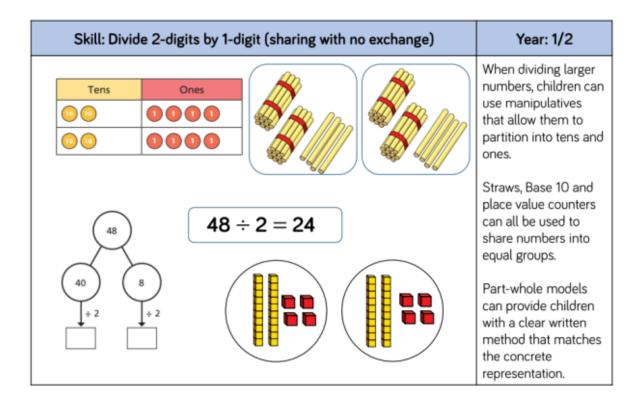


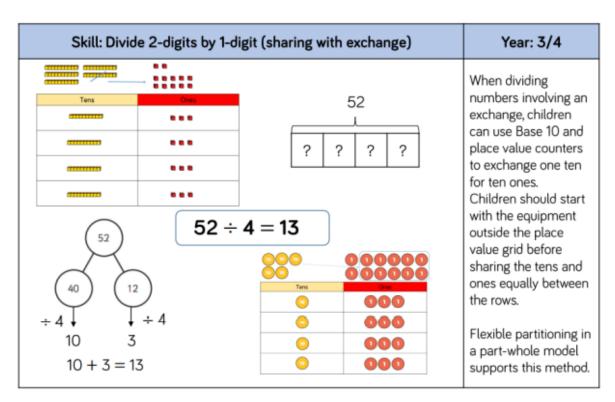
Skill: Multipl	Year: 5/6								
	TTh	Th	Н	Т	0		When multiplying 4- digits by 2-digits, children should be		
		2	7	3	9		confident in the written method.		
	×			2	8		If they are still struggling with times		
	2	1	9	1 7	2		tables, provide multiplication grids to support when they are focusing on the use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

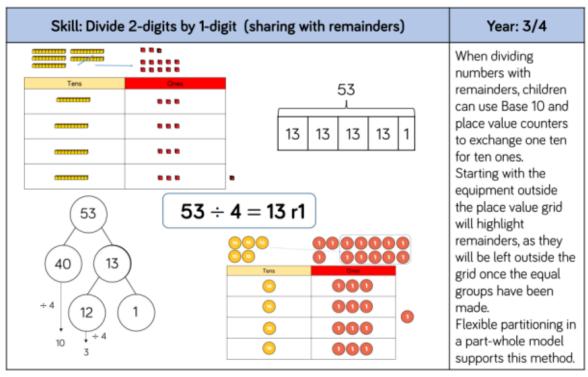
DIVISION

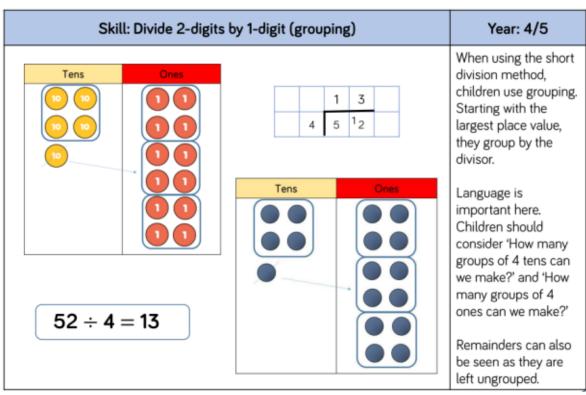


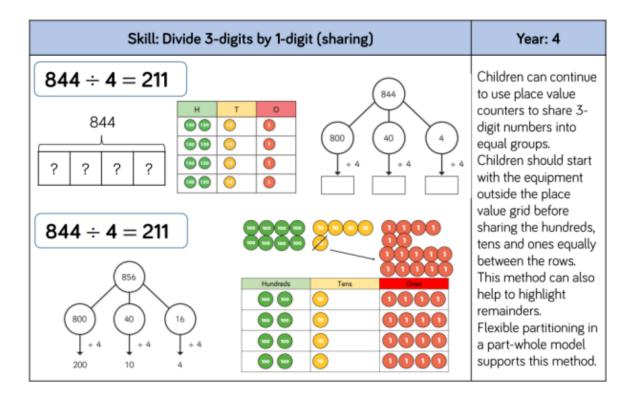


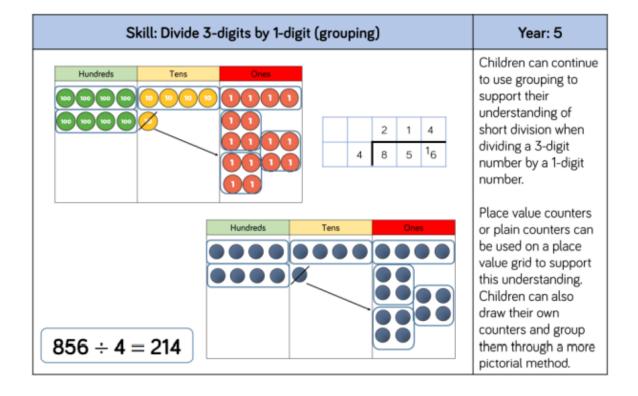


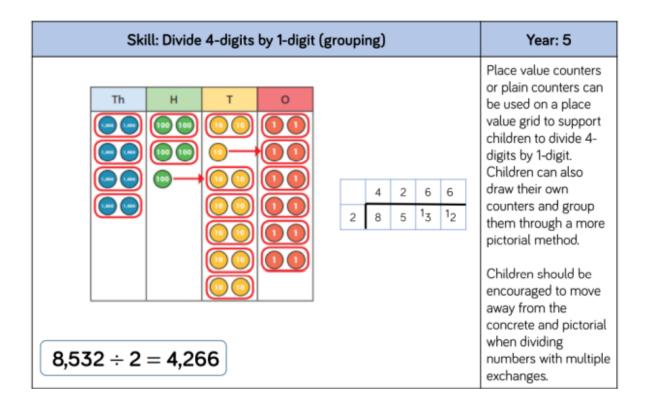


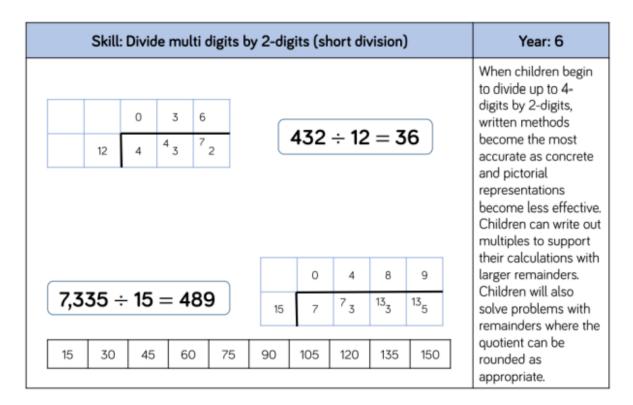




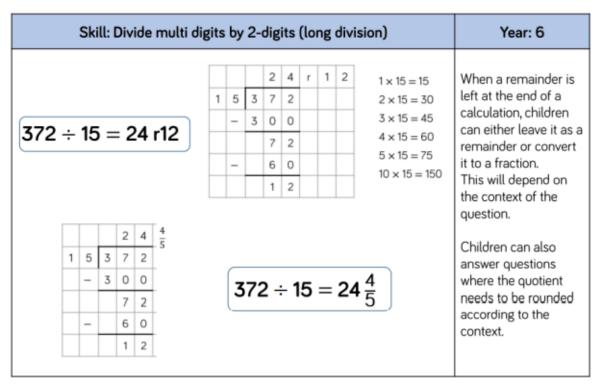








	Skill: Divide multi-digits by 2-digits (long division)												Year: 6	
1	2 -	0 4 3	3 3 6 7 7	6 2 0 2 2	(×30)	12 × 1 = 12 12 × 2 = 24 12 × 3 = 36 12 × 4 = 48 12 × 5 = 60 12 × 6 = 72 12 × 7 = 84 12 × 8 = 96 12 × 7 = 108 12 × 10 = 120						12 =	= 36	Children can also divide by 2-digit numbers using long division. Children can write out multiples to support their calculations with larger remainders.
								0	4	8	9		$1 \times 15 = 15$	Children will also
							15	7	3	3	5		$2 \times 15 = 30$	solve problems with
			_		_		-	6	0	0	0	(×400	$3 \times 15 = 45$	remainders where the
7	7,3	35	5 ÷	- 1	5 =	489		1	3	3	5		$4 \times 15 = 60$	quotient can be
							-	1	2	0	0	(×80)	$5 \times 15 = 75$	rounded as
									1	3	5		10 × 15 = 150	appropriate.
							-		1	3	5	(x9)	10 X 15 = 150	oppropriote:
											0			



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