

## MATHS CALCULATION POLICY (Year 3)

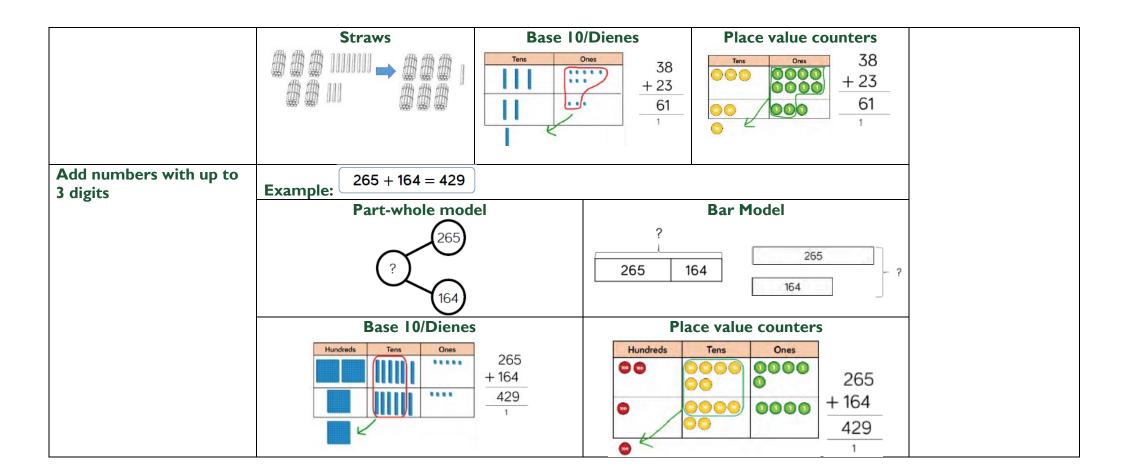
Date: July 2024

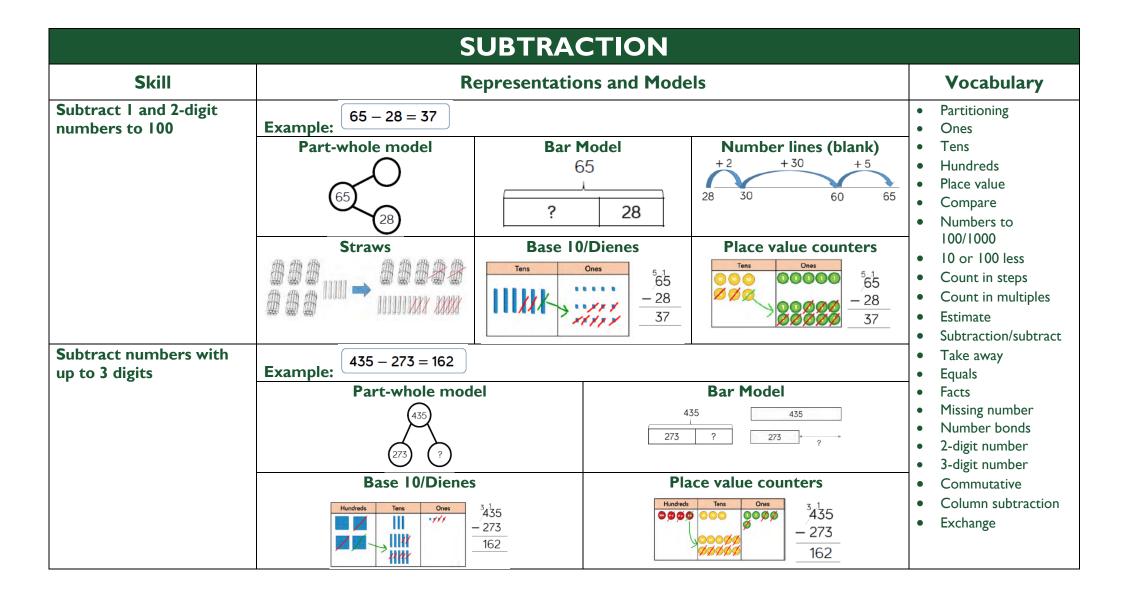
Next Review Due: September 2025

Reviewed by: Chen Lee

This policy has been largely adapted from the White Rose Maths Calculation Policy with further material added. It is a working document and will be revised and amended as necessary.

ADDITION												
Skill	R	Vocabulary										
Add I-digit and 2-digit numbers to 100	Part-whole model  38 + 5 = 43  Part-whole model	Bar Model ? 38	Number lines (labelled)	<ul> <li>Multiples</li> <li>Partitioning</li> <li>Ones</li> <li>Tens</li> <li>Hundreds</li> <li>Place value</li> <li>Compare</li> </ul>								
	Number links (blank) + 2 + 3 38 40 43	Straws  ### A ### ### #### ##################	Hundred square  1 2 3 4 5 6 7 8 9 9 10  11 12 13 14 15 16 17 19 19 20  21 22 23 24 25 26 27 29 30  31 32 33 34 35 6 37 89 39 40  41 42 43 44 45 46 47 49 49 50  51 62 63 64 65 66 67 68 69 70  71 72 74 75 74 75 76 77 78 79 80  81 82 83 84 85 86 87 88 89 90  91 92 93 94 95 96 97 98 99 100	<ul> <li>Numbers to 100/1000</li> <li>10 or 100 more</li> <li>Count in steps</li> <li>Count in multiples</li> <li>Estimate</li> <li>Addition/add</li> </ul>								
Add two 2-digit numbers to 100	Part-whole model  (23)	8ar Model ?	Number lines (blank) +2 +21 38 40 61	<ul> <li>Addition/add</li> <li>Equals</li> <li>Facts</li> <li>Missing number</li> <li>Number bonds</li> <li>2-digit number</li> <li>3-digit number</li> <li>Commutative</li> <li>Column addition</li> </ul>								





				MU	LTIPLIC	CATION				
Skill	Representations and Models									Vocabulary
Multiply 2-digit numbers by 1-digit numbers	Example: 34 × 5 = 170  Place value counters  Hundreds Tens Ones  00000000000000000000000000000000000					Base 10  Hundreds Tens Ones			<ul> <li>Multiples</li> <li>Partitioning</li> <li>Ones</li> <li>Tens</li> <li>Hundreds</li> <li>Place value</li> <li>Compare</li> <li>Numbers to 100/1000</li> <li>Count in steps</li> </ul>	
										<ul><li>Count in multiples</li><li>Estimate</li><li>Multiplication</li></ul>
	Expanded written method				hod	Short written method				<ul><li>Multiply</li><li>Arrays</li></ul>
		Н	т о				Н	Т	0	• Row
	×		3 4				3	4	<ul><li>Column</li><li>Count in</li></ul>	
			2 0	(5 × 4	)	×			5	<ul><li>Groups of</li><li>Times</li></ul>
	+	_	5 O		0)		1	7	0	<ul> <li>Repeated addition</li> <li>Factors</li> <li>Product</li> <li>Facts</li> </ul>
										<ul><li>Missing number</li><li>2-digit number</li><li>3-digit number</li></ul>

