



SARUM HALL SCHOOL

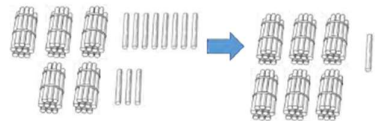
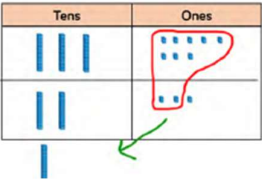
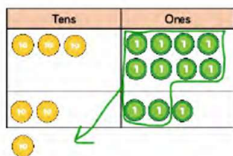
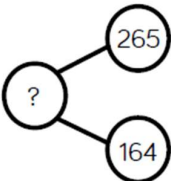
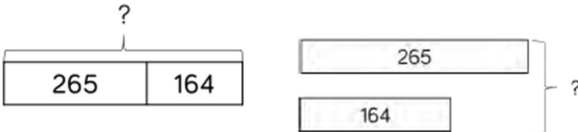
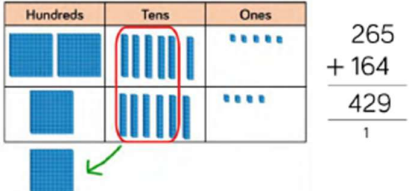
MATHS CALCULATION POLICY (Year 3)

Date:	September 2026
Next Review Due:	September 2027
Reviewed by:	Deputy Head (Academic & Innovation)

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	Representations and Models			Vocabulary
Add 1-digit and 2-digit numbers to 100	Example: $38 + 5 = 43$			• Multiples • Partitioning • Ones • Tens • Hundreds • Place value • Compare • Numbers to 100/1000 • 10 or 100 more • Count in steps • Count in multiples • Estimate • Addition/add • Equals • Facts • Missing number • Number bonds • 2-digit number • 3-digit number • Commutative • Column addition
	Part-whole model 	Bar Model 	Number lines (labelled) 	
Add two 2-digit numbers to 100	Example: $38 + 23 = 61$			
	Part-whole model 	Bar Model 	Number lines (blank) 	

	Straws 	Base 10/Dienes  $\begin{array}{r} 38 \\ + 23 \\ \hline 61 \\ 1 \end{array}$	Place value counters  $\begin{array}{r} 38 \\ + 23 \\ \hline 61 \\ 1 \end{array}$	
Add numbers with up to 3 digits	Example: $265 + 164 = 429$			
	Part-whole model 	Bar Model 		
	Base 10/Dienes  $\begin{array}{r} 265 \\ + 164 \\ \hline 429 \\ 1 \end{array}$	Place value counters  $\begin{array}{r} 265 \\ + 164 \\ \hline 429 \\ 1 \end{array}$		

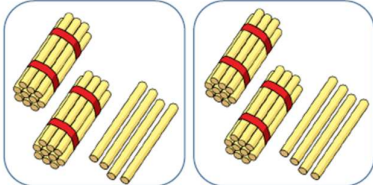
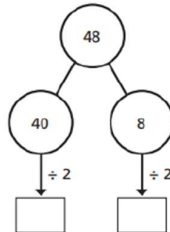
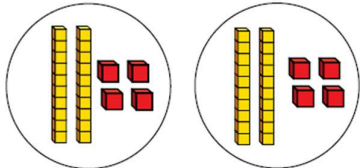
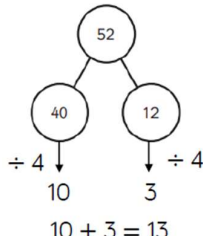
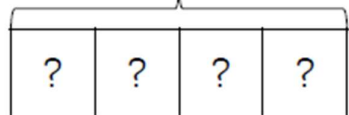
SUBTRACTION

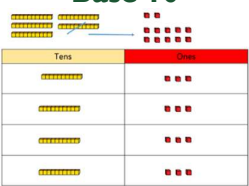
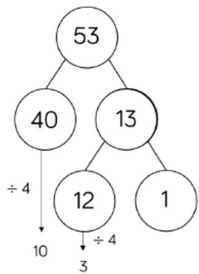
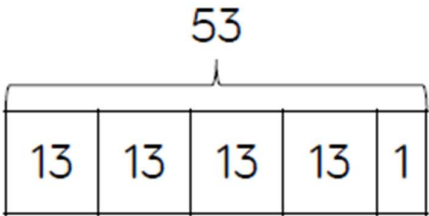
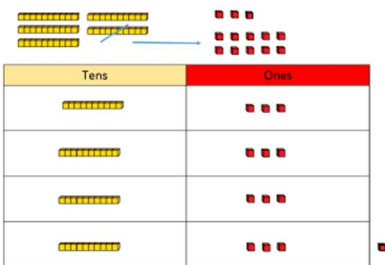
Skill	Representations and Models			Vocabulary
Subtract 1 and 2-digit numbers to 100	Example: $65 - 28 = 37$			• Partitioning • Ones • Tens • Hundreds • Place value • Compare • Numbers to 100/1000 • 10 or 100 less • Count in steps • Count in multiples • Estimate • Subtraction/subtract • Take away • Equals • Facts • Missing number • Number bonds • 2-digit number • 3-digit number • Commutative • Column subtraction • Exchange
	Part-whole model 	Bar Model 	Number lines (blank) 	
Subtract numbers with up to 3 digits	Example: $435 - 273 = 162$			
	Part-whole model 	Bar Model 		
	Base 10/Dienes 	Place value counters 		

MULTIPLICATION

Skill	Representations and Models		Vocabulary
Multiply 2-digit numbers by 1-digit numbers	Example: $34 \times 5 = 170$		• Multiples • Partitioning • Ones • Tens • Hundreds • Place value • Compare • Numbers to 100/1000 • Count in steps • Count in multiples • Estimate • Multiplication • Multiply • Arrays • Row • Column • Count in... • Groups of... • Times • Repeated addition • Factors • Product • Facts • Missing number • 2-digit number • 3-digit number
	Place value counters	Base 10	
	Expanded written method	Short written method	

DIVISION

Skill	Representations and Models		Vocabulary						
Divide 2-digits by 1-digit (sharing with no exchange)	Example: $48 \div 2 = 24$		• Multiples • Partitioning • Ones • Tens • Hundreds • Place value • Compare • Numbers to 100/1000 • Estimate • Division • Divide • Share • Exchange • Remainders • Arrays • Row • Column • Facts • Missing number • Inverse • 2-digit number • 3-digit number						
	Straws 	Part-whole model 							
	Base 10 	Place value counters <table><tr><th>Tens</th><th>Ones</th></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>		Tens	Ones				
	Tens	Ones							
									
									
Divide 2-digits by 1-digit (sharing with exchange)	Example: $52 \div 4 = 13$								
	Part-whole model 	Bar model 							

	Base 10 	Place value counters 	
Divide 2-digits by 1-digit (sharing with remainders)	Example: $53 \div 4 = 13 \text{ r}1$		
	Part-whole model 	Bar model 	
	Base 10 	Place value counters 	