



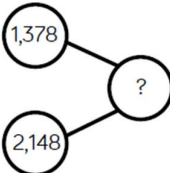
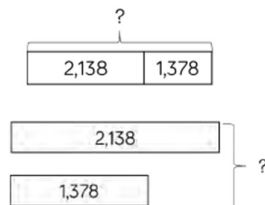
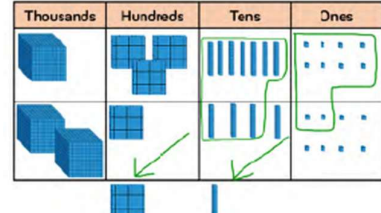
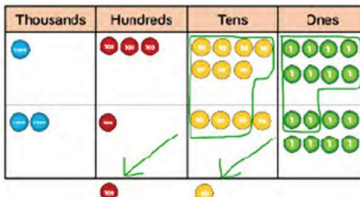
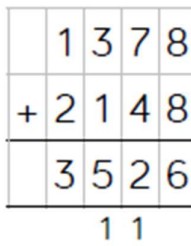
SARUM HALL SCHOOL

MATHS CALCULATION POLICY (Year 4)

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 numbers with up to 4 digits	Example: $1,378 + 2,148 = 3,526$ Part-whole model  Bar Model  Base 10/Dienes 	• Multiples • Partitioning • Ones • Tens • Hundreds • Thousands • Negative numbers / integers • Round • Place value • Compare • 1000 more • Count in steps • Count in multiples • Estimate • Addition/add • Equals • Facts • Missing number • Number bonds • 2/3/4-digit number • Commutative • Column addition
	Place value counters  Column addition 	

SUBTRACTION

Skill	Representations and Models	Vocabulary
Subtract numbers with up to 4 digits	Example: $4,357 - 2,735 = 1,622$ Part-whole model Bar Model Base 10/Dienes	• Multiples • Partitioning • Ones • Tens • Hundreds • Thousands • Negative numbers / integers • Round • Place value • Compare • 1000 less • Count in steps • Count in multiples • Estimate • Subtraction/subtract • Take away • Equals • Facts • Missing number • Number bonds • 2/3/4-digit number • Commutative • Column subtraction • Exchange
	Place value counters Column subtraction	

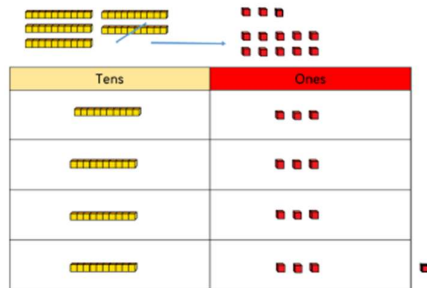
MULTIPLICATION

Skill	Representations and Models		Vocabulary
Multiply 2-digit numbers by 1-digit numbers	Example: $34 \times 5 = 170$		• Multiples • Partitioning • Ones • Tens • Hundreds • Thousands • Negative numbers / integers • Round • Place value • Compare • Count in multiples • Estimate • Multiplication • Multiply • Arrays • Row • Column • Count in... • Groups of... • Times • Repeated addition • Factors • Product • Facts • Missing number • 2/3/4-digit number
	Place value counters	Base 10	
	Expanded written method	Short written method	
Multiply 3-digit numbers by 1-digit numbers	Example: $245 \times 4 = 980$		
	Base 10	Place value counters	
		Short written method	

DIVISION

Skill	Representations and Models		Vocabulary
Divide 2-digits by 1-digit (sharing with exchange)	Example: $52 \div 4 = 13$		• Multiples • Partitioning • Ones • Tens • Hundreds • Thousands • Negative numbers / integers • Round • Place value • Compare • Estimate • Division • Divide • Share • Exchange • Remainders • Arrays • Row • Column • Facts • Missing number • Inverse • 2/3/4-digit number
	Part-whole model 	Bar model 	
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



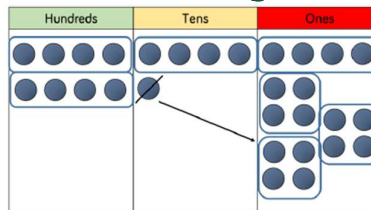
Divide 2-digits by 1-digit (grouping)

Example: $52 \div 4 = 13$

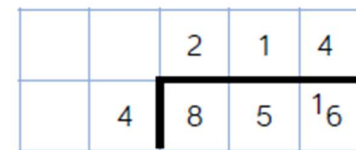
Place value counters



Place value grid



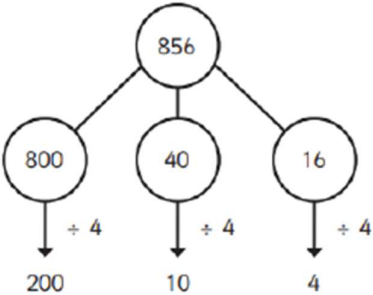
Written short division



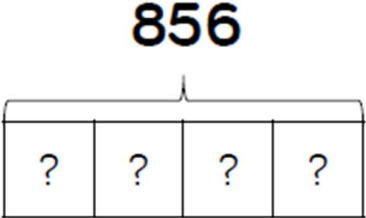
Divide 3-digits by 1-digit
(sharing)

Example: $856 \div 4 = 214$

Part-whole model



Bar model



Place value counters

