## SARUM HALL SCHOOL

## MATHS CALCULATION POLICY <br> (Year 2)

| 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 | Representations and Models |  |  |  | Vocabulary |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Add I and 2-digit numbers to $\mathbf{2 0}$ | Example: $8+7=15$ |  |  |  | - Sort <br> - Represent <br> - Multiples <br> - Partitioning <br> - Ones <br> - Tens <br> - Place value <br> - Compare <br> - Numbers to 100 <br> - Hundreds <br> - Count in steps <br> - Count in multiples <br> - Estimate <br> - More |
|  | Part-whole model | $\substack{\text { Bar Model } \\ 15}$  <br> 8 7 | Number shapes |  |  |
|  | Bead strings (20) -00000000-00000000 | Number tracks $\qquad$ <br>  |  | Straws <br>  <br>  <br> 40100 |  |
| Add three I-digit numbers | Example: $7+6+3=16$ |  |  |  |  |
|  | Part-whole model | Bar Model |  |  | - Equals <br> - Facts <br> - Problems <br> - Missing number <br> - Number bonds <br> - 2-digit number <br> - 3-digit number |


| Add I-digit and 2-digit numbers to 100 | Example: $38+5=43$ |  |  |
| :---: | :---: | :---: | :---: |
|  | Part-whole model |  |  |
|  |  | Straws | Hundred square $\square$ |
| Add two 2-digit numbers to 100 | Example: $38+23=61$ |  |  |
|  | Part-whole model | Bar Model <br> $?$  <br> 38 23 | Number lines (blank) |
|  |  | Base I0/Dienes | Place value counters |

## SUBTRACTION

| Skill | Representations and Models |  |  |  | Vocabulary |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Subtract I and 2-digit numbers to 20 | Example: $14-6=8$ |  |  |  | - Sort <br> - Represent <br> - Partitioning <br> - Ones <br> - Tens <br> - Place value <br> - Numbers to 100 <br> - Hundreds <br> - Estimate <br> - Less <br> - Subtraction/ subtract <br> - Take away <br> - Minus <br> - Difference <br> - Equals <br> - Facts <br> - Problems <br> - Missing number <br> - Inverse <br> - Number bonds <br> - 2-digit number <br> - 3-digit number |
|  |  | 14 Number <br> 8  <br> 8  | Number shapes |  |  |
|  | Number tracks $\qquad$ morn | Number lines (labelled) |  | Straws <br>  |  |
| Subtract I and 2-digit numbers to 100 | Example: $65-28=37$ |  |  |  |  |
|  | Part-whole model | $\underbrace{\text { Bar Model }}$ |  |  |  |
|  | Straws | Base I0/Dienes |  | ce value counters |  |

MULTIPLICATION


## DIVISION



