

MATHS CALCULATION POLICY (Year I)

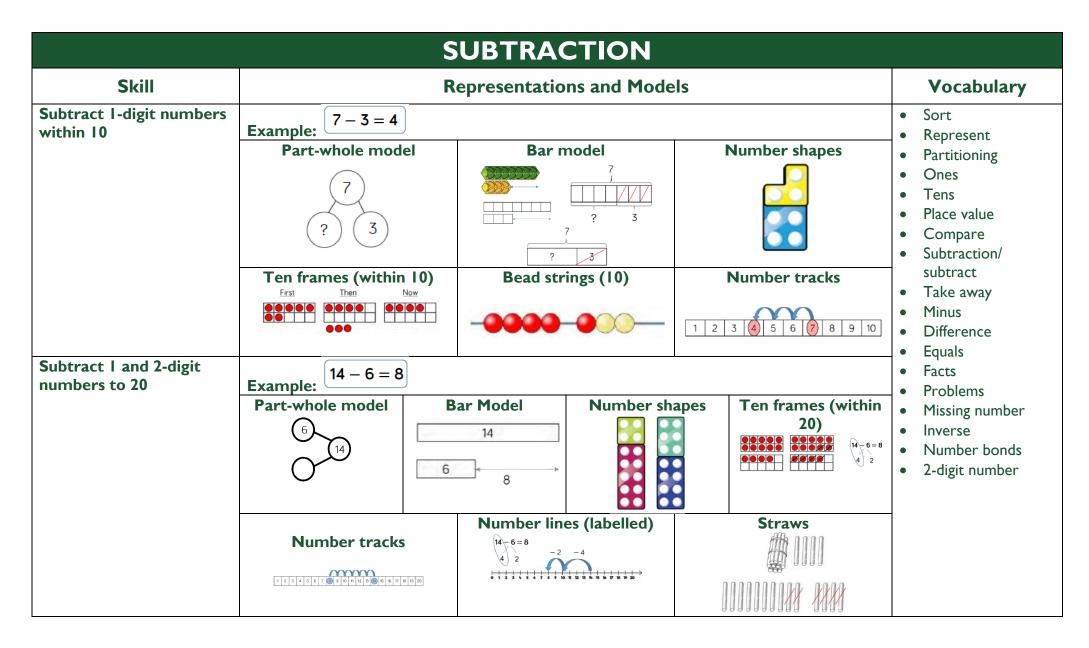
Date: July 2024

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.

| | | | ADDIT | ION | | | | |
|---------------------------------|---|-----------------------------------|--|----------------------------|------------------------------|------------------------|--|--|
| Skill | | Vocabulary | | | | | | |
| Add two I-digit numbers to 10 | Example: 4 + 3 = 7 | | | | | | SortRepresent | |
| | Part-whole model 4 3 Ten frames (within 10) | | Bar model 7 4 3 7 4 3 Bead strings (10) | | Number shapes Number tracks | | Multiples Partitioning Ones Tens Place value Compare Addition/add Equals Facts Problems Missing number Number bonds | |
| | Ten names (within 10) | | | | 1 2 3 4 5 6 7 8 9 10 | | | |
| Add I and 2-digit numbers to 20 | Example: $8 + 7 = 15$ | | | | | | 2-digit number | |
| | Part-whole model | 8 | | Number sh | | Ten frames (within 20) | | |
| | Bead strings (20) | Number tracks 1 2 3 4 5 6 8 9 10 | | Number lines (labelled) | | Straws | | |



| | M | IULTIPLIC | CATION | | |
|--|---|----------------------------------|-----------------|-----|--|
| Skill | | Vocabulary | | | |
| Skill Solve I-step problems using multiplication | One bag holds 5 How many apples do Bar model $5+5+5+5=20$ $4 \times 5 = 20$ $5 \times 4 = 20$ Arrays $6 \times 6 \times$ | 4 bags hold? umber shapes Bead | Counter Strings | els | Vocabulary Sort Represent Multiples Partitioning Ones Tens Place value Compare Multiplication Multiply Arrays Row Column Count in Lots of Groups of Times Repeated addition Equals Facts Problems Missing number 2-digit number |
| | $4 \times 5 = 20$ $5 \times 4 = 20$ | | | | |

| | | DIVISI | ON | | | |
|--|---|---|--|--------------|---|--|
| Skill | | Vocabulary | | | | |
| Solve one-step problems with division (sharing) | There are 20 They are shared e How many app | | SortRepresentMultiples | | | |
| | ? ? ? | | Real life objects | | Partitioning Ones Tens Place value Compare Division Divide Arrays Row | |
| | Arra | ys 20 ÷ 5 = 4 | Counters $20 \div 5 = 4$ | | | |
| Solve one-step problems with division (grouping) | They are pu | apples altogether. ut in bags of 5. bags are there? | | | ColumnCount inLots of | |
| | Bar model $20 \div 5 = 4$ | Number shapes | Counter | Ten frames | Groups ofShareEqualsFactsProblems | |
| | Arrays 20 ÷ 5 = | | strings | Number lines | Missing numberInverse2-digit number | |