# Calculation Policy 

## Subtraction

## September 2023

## Subtraction:

| EYFS: |  |  |  |
| :---: | :---: | :---: | :---: |
| Vocabulary: | First <br> Then <br> Now <br> Take away <br> Minus <br> Subtract <br> Part <br> Whole | Manipulatives \& scaffolds: | Five and ten frames <br> Fingers <br> Numicon <br> Interlocking cubes <br> Double sided counters <br> Part-whole model |
| Small step: | Concrete: | Pictorial: | Abstract: |
| Take away | Use real objects (numicon, ten frames \& counters) to explore the concept that the quantity of a group can be changed by taking away. | Use stories alongside images to provide meaningful context. <br> First there were six people on the bus. Then two people got off the bus. Now there are four people left. | There are four cakes in the shop, three cakes are eaten. How many are left? $4-3=?$ |
| How many did I take away? | To follow March 24 |  |  |
| Y1 |  |  |  |

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| Vocabulary: | First, Then, Now, Take away, Minus, Subtract, <br> Part, Whole, Less, Fewer, Difference between | Manipulatives \& scaffolds: | Double sided counters |
| :--- | :--- | :--- | :--- |
| Ten frames |  |  |  |
| Part-whole model Dienes |  |  |  |



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| Subtraction <br> - find a part <br> (Introducing the <br> subtraction symbol) | There are 8 counters in total in the bag. <br> How many counters are in the bag? $8-5=3$ | How many ice creams do not have flakes? <br> There are $\qquad$ ice creams that do not have flakes. 6 $-\ldots=$ |  |
| :---: | :---: | :---: | :---: |
| Fact families the 8 facts |  | There are 6 apples. <br> 5 of them are red and 1 is green. <br> Write the fact family to show this. |  |



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| Subtraction <br> - take <br> away/cross <br> out (How <br> many left?) | First there were 6 bears. <br> Then 3 of the bears were taken away. Now there are 3 bears. | There are 7 birds in a tree. <br> 3 birds fly away. <br> Complete the sentences. <br> - First there were $\qquad$ birds in the tree. <br> - Then $\qquad$ of the birds flew away. <br> - Now there are $\qquad$ birds in the tree. | Tell/write a 'first, then, now' story to describe what is happening in the picture. <br> Draw a part-whole model for your story. |
| :---: | :---: | :---: | :---: |
| Subtraction <br> - take away <br> (How many left?) | First there were 6 bears. Then 3 of the bears were taken away. Now there are 3 bears. 6 $-3=3$ | First there were 8 cakes. <br> Then 5 of the cakes were eaten. <br> How many cakes are left? <br> Complete the part-whole model and the subtraction sentence. | $9-5=4$ |



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| Subtract ones using number bonds | $18-3=$ $\qquad$ |  | 19-3 |
| :---: | :---: | :---: | :---: |
| Subtraction - counting back | First there were $\qquad$ counters Then $\qquad$ were taken away <br> Now there are $\qquad$ counters | $20-7=$ | 19 = $8=$ |
| Subtraction - find the difference | There are $\qquad$ more red counters. *focus on how many more there are | Ann has 13 marbles. <br> Tom has 5 marbles. <br> How many more marbles does Ann have than Tom? | There are 11 pink pens and 7 green pens in a pot. <br> How many more pink pens are there than green pens? |


| Y2 |  |  |  |
| :--- | :--- | :--- | :--- |
| Vocabulary: | First, Then, Now, Take away, Minus, Subtract, <br> Part, Whole, Less, Fewer, Difference between, <br> tens boundary, cross ten | Manipulatives \& scaffolds: | Double sided counters |
| Ten frames |  |  |  |
| Part-whole model |  |  |  |
| Dienes |  |  |  |
| Number lines |  |  |  |

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| Small step: | Concrete: | Pictorial: | Abstract: |
| :---: | :---: | :---: | :---: |
| Fact families <br> - <br> subtraction <br> bonds <br> within 20 | $18-\ldots=\ldots \quad 18-\ldots=\ldots$ |  | $\begin{array}{ll} \text { }^{-}-=- & \text {- }^{-}-{ }^{-} \\ \text {_-_ }^{-}= & { }^{-} \end{array}$ |
| Subtract ones | $10-3=7$ | 为 $\$$ <br> $3+3 \% \% \%$ $20-6=14$ | $\begin{aligned} & 10-3= \\ & 20-6= \end{aligned}$ |
| Subtract across a ten | I need to subtract $\qquad$ to get to 10 I need to subtract $\qquad$ more $\qquad$ less than $\qquad$ is | I need to subtract $\qquad$ to get to 10 I need to subtract $\qquad$ more $\qquad$ less than $\qquad$ is | 15-7 = |



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| Subtract 10s | $36-20=$ | $\begin{aligned} & 53-20= \\ & 53-40= \\ & 53-50= \end{aligned}$ <br> 36-20- | $\begin{aligned} & 76-30=76 \\ & -50= \\ & 76-70= \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Subtract two 2-digit numbers (not crossing a 10) | $76-24=$ | $76-24=$ <br> How many ones do you need to subtract? How many tens do you need to subtract? <br> What is the difference between 74 and 21? | Work out the difference between these numbers: <br> 56 and 21 <br> 39 and 34 <br> 97 and 47 |

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| Small step: | Concrete: | Pictorial: |  |  | Abstract: |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Subtract 1s | 243-2 = | 243-2 = |  |  |  |
|  |  | Hundreds | Tens | Ones | 534-2 = |
|  |  |  |  | $\frac{!}{n}$ |  |



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| Subtract 100s | $461-200=$ | Hundreds Tens Ones <br>  $\bigcirc \bigcirc$ $\bigcirc$ <br>  $0 \bigcirc$  <br>  $0 \bigcirc$ $461-200=$ | $461-300=$ |
| :---: | :---: | :---: | :---: |
| Subtract 1s across a 10 | $253-8=$ | $253-8=$ <br> *Explore why one ten is made up on ten ones | $171-6=$ |

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|  |  | $244-7=$ <br> I need to subtract $\qquad$ to get to the previous multiple of ten Then I need to subtract $\qquad$ more |  |
| :---: | :---: | :---: | :---: |
| Subtract <br> 10s across a $100$ | $323-40=$ <br> *Explore why one hundred is made up ten tens | $323-40=$ <br> *Explore why one hundred is made up ten tens $920-50=$ <br> I need to subtract $\qquad$ to get to the previous multiple of hundred <br> Then I need to subtract $\qquad$ more | $322-50=$ |

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| Subtract 2- |  |  | 2 | 9 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

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| Small step: | Concrete: | Pictorial: | Abstract: |

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