Sywell
CE Primary School

## Calculation Policy

 Division
## September 2023

## Division:

| EYFS: |  |  |  |
| :--- | :--- | :--- | :--- |
| Vocabulary: | Odd <br> Even <br> Halve <br> Share <br> Share equally <br> Equal groups of <br> Divide | Manipulatives \& scaffolds: |  |
| Small step: | Concrete: | Pictorial: | Abstract: |
| Explore <br> sharing | March 2024 |  |  |
| Sharing |  |  |  |
| Explore <br> grouping |  |  |  |
| Grouping |  |  |  |
| Even and <br> odd sharing |  |  |  |
| Y1 |  |  |  |

## LEARNING AND

FLOURISHING
TOGETHER

| Vocabulary: | Odd <br> Even <br> Halve <br> Share <br> Share equally <br> Equal groups of <br> Divide <br> Divided by | Manipulatives \& scaffolds: | Cubes <br> Counters |
| :--- | :--- | :--- | :--- |


|  | Left over |  |  |
| :---: | :---: | :---: | :---: |
| Small step: | Concrete: | Pictorial: | Abstract: |
| Make equal groups grouping |  |  | There are $\qquad$ altogether. <br> There are $\qquad$ equal groups of $\qquad$ |
| Make equal groups sharing |  | $\infty$ $\square$ $\square$ <br> Complete the sentences. <br> ___ apples are shared equally between ___ boxes. <br> There are__ in each group. | ```__ are shared equally into __ groups. There are``` $\qquad$ <br> ```in each group.``` |
| Y2 |  |  |  |


| Vocabulary: | Odd <br> Even <br> Halve <br> Share <br> Share equally <br> Equal groups of <br> Divide <br> Divided by <br> Left over <br> $\div$ | Manipulatives \& scaffolds: | Counters <br> Number line |
| :--- | :--- | :--- | :--- |
|  |  | Pictorial: | Par models whole models |
| Part |  |  |  |


| Make equal groups grouping |  | Complete the sentences. <br> 12 is made up of $\qquad$ equal groups of $\qquad$ <br> $12 \div 2=$ $\qquad$ | $15 \div 5=$ |
| :---: | :---: | :---: | :---: |
| Make equal <br> groups - <br> sharing | I have 12 cubes, can you share them equally into 3 groups? |  | $\ldots \div$ |
| Y3 |  |  |  |

## LEARNING AND

\(\left.$$
\begin{array}{|l|l|l|l|}\hline \text { Vocabulary: } & \begin{array}{l}\text { Odd } \\
\text { Even } \\
\text { Halve } \\
\text { Share } \\
\text { Share equally } \\
\text { Equal groups of } \\
\text { Divide } \\
\text { Divided by } \\
\text { Left over } \\
\vdots \\
\text { Remainders } \\
\text { 2-digit number } \\
\text { Partitioning } \\
\text { Flexible partitioning }\end{array} & \text { Manipulatives \& scaffolds: } & \begin{array}{l}\text { Counters } \\
\text { Lolly sticks } \\
\text { Bar models }\end{array}
$$ <br>
Part whole models <br>
Place value counters <br>

Place value charts\end{array}\right]\)|  |
| :--- |


| Small step: | Concrete: | Pictorial: |  |  | Abstract: |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Sharing and grouping | Here are 14 counters. <br> Share the counters equally into 2 groups. Complete the sentences. <br> There are $\qquad$ counters altogether. <br> There are $\qquad$ groups. <br> There are $\qquad$ counters in each group. <br> $14 \div$ $\qquad$ $=$ $\qquad$ |  |  |  | $27 \div 3=$ |

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## LEARNING AND

| Divide a <br> 2digit <br> number by <br> a 1-digit <br> number - <br> with <br> remainders | Esther has 13 lolly sticks. <br> She uses them to make squares. <br> Complete the sentences. <br> There are $\qquad$ lolly sticks. <br> There are $\qquad$ groups of 4 <br> There is $\qquad$ lolly stick remaining. <br> $13 \div 4=$ $\qquad$ remainder $\qquad$ <br> Esther can make $\qquad$ squares. | $53 \div 4=$ | $38 \div 3=12 \mathrm{r} 2$ |
| :---: | :---: | :---: | :---: |
| Y4 |  |  |  |
| Vocabulary: | Odd <br> Even <br> Halve | Manipulatives \& scaffolds: | Part whole models Place value counters Place value charts |


|  | Share <br> Share equally <br> Equal groups of <br> Divide <br> Divided by <br> Left over <br> $\vdots$ <br> Remainders <br> 2-digit number <br> Partitioning <br> Flexible partitioning |  |  |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
| Small step: | Concrete: | Pictorial: | Abstract: |



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


| Short division | We are dividing by 3 . <br> There is 1 group of 3 tens. <br> There are 3 groups of 3 ones. $\begin{aligned} & 39 \div 3=10 \text { and } 3 \\ & =13 \end{aligned}$ | $96 \div 3=$ $\begin{array}{r} 32 \\ 3 \longdiv { 9 6 } \end{array}$ $\begin{aligned} & T \\ & \begin{array}{l\|l\|l} T & 0 \\ \hline 0 & 0 & 0 \\ 0 \\ 0 & 0 & 0 \\ 0 & 0 \\ 0 & 0 & 0 \\ 3 & 0 & 2 \end{array}=32 \end{aligned}$ | $\begin{array}{c\|c\|c\|c\|}  & 1 & 2 & 1 \\ \hline 5 & 6 & { }^{1} 0 & 5 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: |
| Divide a 4digit number by a 1-digit number |  | T H   <br> $\vdots$ $\vdots$ $\ddots$ $\vdots$ <br> $\vdots$ $\vdots$ $\vdots$ $\vdots$ <br> $\vdots$ $\vdots$ $\vdots$ $\vdots$ <br>  $\vdots$ $\vdots$  <br>  $\ddots$   <br> $8189 \frac{2}{896}$ | $\begin{array}{l\|l\|l\|l\|l} \hline 8 & 8 & 7 & 6 \\ \hline \end{array}$ |
| Divide with remainders |  $\begin{array}{l\|l\|l} 2 & 0 & 5 \\ 3 \\ \hline 6 & 1^{17} \\ \hline 1 \end{array}$ | $H$ $T$ 0  <br> 0 0 0 0 | $\begin{array}{\|l\|l\|l\|l\|l\|l\|} \hline & 1 & 2 & 2 & 3 & r 2 \\ \cline { 2 - 4 } & 4 & 8 & 9 & 1 & \\ \hline \end{array}$ |
| Y6 |  |  |  |

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| Vocabulary: | Odd <br> Even <br> Halve <br> Share <br> Share equally <br> Equal groups of <br> Divide <br> Divided by <br> Left over <br> $\div$ | Manipulatives \& scaffolds: | Place value counters <br> Place value charts <br> 'Bus stop' |
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