St Bernadette Calculation Policy 2021

Division

Step 1

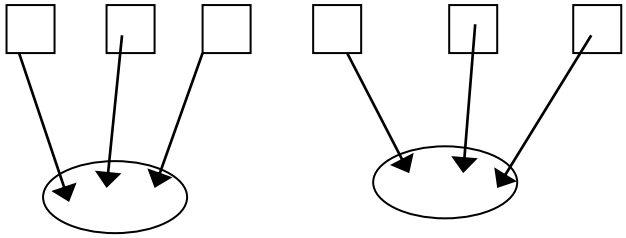
Children will understand equal groups and share items out in play and problem solving.

Step 2

Children will develop their understanding of division and use jottings to support calculation

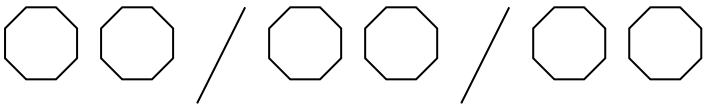
Sharing equally

6 sweets shared between 2 people, how many do they each get?



Grouping or repeated subtraction

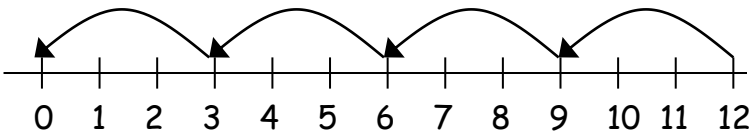
There are 6 sweets, how many people can have 2 sweets each?



Step 3

Repeated subtraction using a number line.

12 ÷ 3 = 4



Step 4

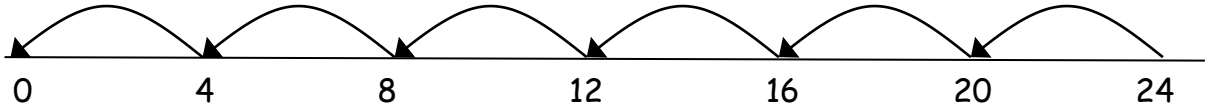
St Bernadette Calculation Policy 2021

Division

Repeated subtraction using a number line

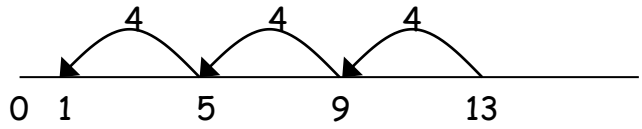
Children will use an empty number line to support their calculation.

24 ÷ 4 = 6



Children should also move onto calculations involving remainders.

13 ÷ 4 = 3 r 1



Step 5

Using symbols to stand for unknown numbers to complete equations using inverse operations.

26 ÷ 2 = □ 24 ÷ △ = 12 □ ÷ 10 = 8

Step 6

Short division TU ÷ U

$$6\overline{)\,96}\quad 16$$

Any remainders should be shown as integers, i.e. 14 remainder 2 or 14 r 2.

Step 7

Short division HTU ÷ U

196 ÷ 6

$$6\overline{)\,196}\quad 32\text{ r }4$$

Any remainders should be shown as integers, i.e. 14 remainder 2 or 14 r 2.

Step 8

St Bernadette Calculation Policy 2021

Division

Long division HTU ÷ TU

972 ÷ 36

$$\begin{array}{r} 27 \\ 36\overline{)\,972} \\ \underline{\;72\downarrow} \\ 252 \\ -\;\underline{252} \\ 0 \end{array}$$

Step 9
Long division- decimals with up to two decimal places. Children should know that decimal points line up under each other.

87.5 ÷ 7

$$\begin{array}{r} 12.5 \\ 7\overline{)\,87.5} \end{array}$$

By the end of year 6, children will have a range of calculation methods, mental and written. Selection will depend upon the numbers involved.

Children should not be made to go onto the next stage if:

1) *they are not ready.*
2) *they are not confident.*

Children should be encouraged to approximate their answers before calculating.
Children should be encouraged to check their answers after calculation using an appropriate strategy.
Children should be encouraged to consider if a mental calculation would be appropriate before using written methods.