## CALCULATION PROGRESSION: DIVISION

Pre-learning I Sharing and grouping objects


## CALCULATION PROGRESSION: DIVISION

Pre-learning 2 TO $\div$ O (no remainder) $2 x, 5 x \& 10 x$ tables


## CALCULATION PROGRESSION: DIVISION

Y3 TO $\div 0$ (including remainders) $3 x, 4 x \& 8 x$ tables



## CALCULATION PROGRESSION: DIVISION

Y4 HTO $\div$ O (including remainders) $6 x, 7 x, 9 x, 11 x \& 12 x$ tables


## CALCULATION PROGRESSION: DIVISION

Y5 $\mathrm{HTO} \div \mathrm{O}, \mathrm{HTO} \div$ TO \& decimals (including remainders)

| concrete | pictorial | abstract |
| :---: | :---: | :---: |
| Multiplication tables <br> Continue to practise all multiplication and division facts up to $12 \times 12$ using counting, rhythm, songs, patterns and games (including Times Tables Rock Stars). | Multiplication tables <br> Continue to practise all multiplication and division facts up to $12 \times 12$ using counting, rhythm, songs, patterns and games (including Times Tables Rock Stars). | Multiplication tables <br> Continue to practise all multiplication and division facts up to $12 \times 12$ using counting, rhythm, songs, patterns and games (including Times Tables Rock Stars). |
| Short division (HTO $\div \mathrm{O}$ ) <br> Place value counters: <br> Continue to use place value counters to support thinking (as Year 4). | Short division ( $\mathrm{HTO} \div \mathrm{O}$ ) | Short division (HTO $\div \mathrm{O}$ ) <br> Answer written with a remainder: $5{\longdiv { 4 ~ } { } ^ { 4 3 ^ { 3 } 2 }}^{0.2}$ <br> Remainder written as a fraction: $5{\longdiv { 4 3 ^ { 4 } 2 }}^{2 / 5}$ |
| Short division (HTO $\div$ TO) | Short division (HTO $\div$ TO) | Short division (HTO $\div$ TO, no remainder) <br> Encourage pupils to note key facts: $\begin{gathered} 35 \times 2=70 \\ 35 \times 10=350 \\ 35 \times 5=175 \end{gathered}$ |
| Short division (decimals) <br> Place value counters: | Short division (decimals) | Short division (decimals) $\begin{array}{r} 4 \quad 7.3 \\ \begin{array}{r} 2{ }^{2} 8^{4} 3 . .^{1} 8 \end{array} \end{array}$ <br> Remainder written as a decimal: $5 \longdiv { 4 4 ^ { 4 } 3 . 4 }$ |

## CALCULATION PROGRESSION: DIVISION

Y6 $\mathrm{ThHTO} \div \mathrm{O}, \mathrm{HTO} \div \mathrm{TO}$ \& decimals (including remainders)

| concrete | pictorial | abstract |
| :---: | :---: | :---: |
| Multiplication tables <br> Continue to practise all multiplication and division facts up to $12 \times 12$ using counting, rhythm, songs, patterns and games (including Times Tables Rock Stars). | Multiplication tables <br> Continue to practise all multiplication and division facts up to $12 \times 12$ using counting, rhythm, songs, patterns and games (including Times Tables Rock Stars). | Multiplication tables <br> Continue to practise all multiplication and division facts up to $12 \times 12$ using counting, rhythm, songs, patterns and games (including Times Tables Rock Stars). |
| Short division (ThHTO $\div$ O) | Short division (ThHTO $\div$ O) | Short division (ThHTO $\div$ O) <br> Answer written with a remainder: $6 \longdiv { 3 3 ^ { 3 } 6 4 4 ^ { 4 } } \text { r. } 3$ <br> Answer written as a fraction: $6 \longdiv { 3 ^ { 3 } 6 4 ^ { 4 } 5 } { } ^ { 3 / 6 }$ <br> Answer written as a decimal: $\begin{array}{r} 607 \quad 6 \\ 63^{3} 64^{4} 53^{3} 0 \end{array}$ |
|  |  | Short division (HTO $\div$ TO, with remainder) $1 5 \longdiv { 4 { } ^ { 4 } 3 ^ { 1 3 } 2 ^ { 1 2 } \cdot 0 }$ <br> Encourage pupils to note key facts: $15 \times 2=30$ $\begin{aligned} 15 \times 10 & =150 \\ 15 \times 5 & -75 \end{aligned}$ $15 \times 5=75$ |
| Long division (ThHTO $\div$ TO) | Long division (ThHTO $\div$ TO) | Long division (ThHTO $\div$ TO) <br> Write answer as 113 r. 11 or $113^{11 / 17}$ |

