

Division

Note: HTO = Hundreds, Tens, Ones

1. Short Division

$$\begin{array}{r} 24 \\ 4 \overline{) 96} \end{array}$$

Short division is extended into dividing up to three digits by one digit.

2. Formal method with remainders

$$\begin{array}{r} 43 \div 3 = \\ 14 \text{ r } 1 \\ 3 \overline{) 43} \\ - 30 \text{ (10 x 3)} \\ \hline 13 \\ - 12 \text{ (4 x 3)} \\ \hline 01 \end{array}$$

The "chunking" method only uses a single-digit divisor. The number of groups should be recorded alongside on the right with the answer written at the top.

3. Formal long division

$$\begin{array}{r} 23 \\ 19 \overline{) 437} \\ \underline{38} \downarrow \\ 057 \\ \underline{57} \\ 00 \end{array}$$

The formal long division method can also show remainders as whole numbers, fractions, decimals or rounding, as required.