## Roche CP School's Written and Mental Calculation Policy




[^0] PROMOTE CHECKING ANSWERS USING THE INVERSE OPERATION THROUGHOUT


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Please use this as guidance but be prepared to use methods outside of your year group should pupils either progress beyond or not achieve the required progress PROMOTE CHECKING ANSWERS USING THE INVERSE OPERATION THROUGHOUT


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| $\begin{array}{c}\text { First formal methods } \\ \text { for recording }\end{array}$ |
| :---: |

## Year 2

## Number Statements

$$
\begin{aligned}
& 6 \div 2=3 \\
& 20 \div 5=4 \\
& 18 \div 2=9
\end{aligned}
$$

Formal written methods for calculation

Year 3
Write and calculate mathematical statements for division using the multiplication tables that they know, including for 2 digit numbers times 1 digit numbers.

Pupils develop reliable written methods for division starting with calculations of 2 digit by 1 digit and progression to the formal written methods of short division.

## Short Method: $2 \times 1$ example

 $92 \div 4=23$

## Year 4

Pupils practise to become fluent in the formal written method of short division with exact answers.

Short Method: $3 \times 1$ example $294 \div 3=98$


Divide numbers up to
4 digits by a 1 digit
number using the
formal written method of short division and interpret remainders appropriately for the context.

## Short Method

$4 \times 1$ example
$4293 \div 9=477$


Short Method that will have a decimal remainder e.g. $£ 456 \div 5=£ 91.20$


## $£ 456 \div 5=£ 91.20$

Additional place holder for
the quotient as money always has 2 decimal places.

## Year 6

Divide numbers up to 4 digits by a 2 digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.

Divide numbers up to 4 digits by a 2 digit number using the formal written method of short division where appropriate, interpreting remainders according to the context.

Pupils are introduced to the division of decimal numbers by 1 digit whole number, initially, in practical contexts involving measures and money.

$$
10 \div 8=1.25
$$

Additional place holders needed here.

Long Division $4 \times 2$ example
$4832 \div 15=322$ r 2


## Short Division

$4 \times 2$ example
$4268 \div 22=194$


## Short Method

 Decimal by single digit$267.75 \div 5=53.55$


## Short Method

Whole number by single digit with decimal quotient



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