

Addition

Y4

- Continue with columnar addition.

$\begin{array}{r} \text{H T O} \\ 371 \\ + 485 \\ \hline 856 \\ 1 \end{array}$	$\begin{array}{r} \text{H T O} \\ 376 \\ + 485 \\ \hline 861 \\ 11 \end{array}$	$\begin{array}{r} \text{Th H T O} \\ 2388 \\ + 1124 \\ \hline 3512 \\ 11 \end{array}$
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- Estimate and use inverse operations to check answers to a calculation.
- Add money using both £ and pence in practical contexts.
- Apply to two step word problems, deciding operations and methods.

National Curriculum requirements:

Add numbers with up to 4 digits, using the formal written method of columnar addition.

Subtraction

Y4

- Continue with partitioned columnar subtraction progressing to compact columnar subtraction.

$\begin{array}{r} \text{H T O} \\ 37 \\ - 182 \\ \hline 255 \end{array}$	$\begin{array}{r} \text{H T O} \\ 37 \\ - 187 \\ \hline 245 \end{array}$	$\begin{array}{r} \text{H T} \\ 54 \\ - 347 \\ \hline 257 \end{array}$	$\begin{array}{r} \text{Th H T} \\ 8326 \\ - 2177 \\ \hline 6249 \end{array}$
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- Estimate and use inverse operations to check answers to a calculation.
- Subtract amounts of money using columnar method
- Apply to two step word problems, deciding operations and methods.

National Curriculum requirements:

Subtract numbers up to 4 digits using the formal written method of columnar subtraction.

Multiplication

Y4

- Recall and use multiplication tables up to 12x12 (Including multiplying by 0 and 1).
- Continue using grid method and expanded method as appropriate, progressing to short multiplication.

x	100	30	6
5	500	150	30



	3	2	7
x			4
	1	3	0
		1	2

- Short Multiplication.

No carrying	Extra digit	Carrying	Zeros	Ext.
$\begin{array}{r} \text{T O} \\ 32 \\ \times 3 \\ \hline 96 \end{array}$	$\begin{array}{r} \text{H T O} \\ 51 \\ \times 2 \\ \hline 102 \end{array}$	$\begin{array}{r} \text{H T O} \\ 38 \\ \times 7 \\ \hline 266 \\ 5 \end{array}$	$\begin{array}{r} \text{H T O} \\ 202 \\ \times 4 \\ \hline 808 \end{array}$	$\begin{array}{r} \text{H T O} \\ \square 5 \square \\ \times 4 \\ \hline 612 \\ 21 \end{array}$

National Curriculum requirements:

Multiply 2 digits by 1 digit using formal written layout.

Multiply 3 digits by 1 digit using formal written layout.

Division

Y4

- Recall and use all division facts for all tables up to 12 (Including dividing by 1).
- Continue with short division method.

$$\begin{array}{r} 18 \\ 4 \overline{) 72} \end{array}$$

$$\begin{array}{r} 037 \\ 5 \overline{) 185} \end{array}$$

$$\begin{array}{r} 218 \\ 4 \overline{) 872} \end{array}$$

- Progressing to short division with remainders.

$$\begin{array}{r} 204 \\ 4 \overline{) 816} \end{array}$$

$$\begin{array}{r} 141 \text{ r}1 \\ 3 \overline{) 424} \end{array}$$

National Curriculum requirements:

Divide 2 digits by 1 digit and 3 digits by 1 digit becoming fluent with formal written method of short division with exact answers and progressing to remainders.

The National Curriculum statutory requirements for Year 4 and the use of written methods are not clear therefore our guidance for Year 4 has been based on the skills required to access Year 5 statutory requirements.