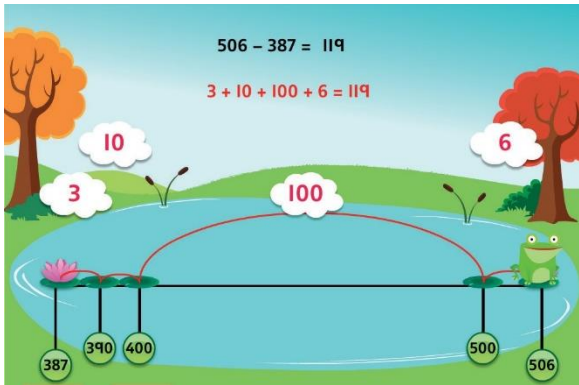


Year 4							
Addition	<p>Compact column addition</p> <p>Compact column addition with larger numbers</p> $\begin{array}{r} 5347 \\ 2286 \\ + 1495 \\ \hline 9128 \end{array}$						
	<p>Fractions</p> <p>Add like fractions</p> <table border="1"><tr><td>$\frac{3}{8}$</td><td>+</td><td>$\frac{1}{8}$</td><td>+</td><td>$\frac{1}{8}$</td><td>=</td><td>$\frac{5}{8}$</td></tr></table>	$\frac{3}{8}$	+	$\frac{1}{8}$	+	$\frac{1}{8}$	=
$\frac{3}{8}$	+	$\frac{1}{8}$	+	$\frac{1}{8}$	=	$\frac{5}{8}$	
Subtraction	<p>Counting up</p> <p>Find a difference between two numbers by counting up from the smaller to the larger</p> 						
	<p>Expanded column subtraction</p> <p>Children are shown how expanded column subtraction builds upon partitioning</p> $\begin{array}{r} 600 \quad 110 \quad 16 \\ \cancel{700} \quad \cancel{20} \quad \cancel{8} \\ - 300 \quad 50 \quad 8 \\ \hline 300 \quad 60 \quad 8 \end{array}$ $\begin{array}{r} 6 \quad 11 \quad 16 \\ \cancel{7} \quad \cancel{2} \quad \cancel{8} \\ - 3 \quad 5 \quad 8 \\ \hline 3 \quad 6 \quad 8 \end{array}$						



Fractions

Subtract like fractions

$\frac{3}{8}$	$-$	$\frac{1}{8}$	$=$	$\frac{2}{8}$
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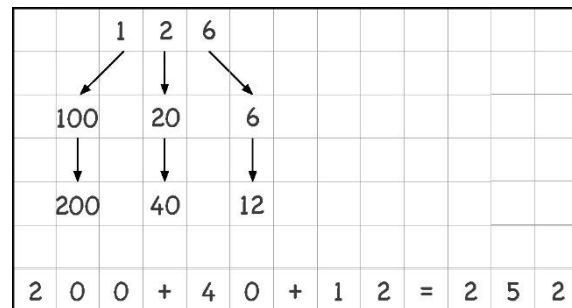
Multiplication facts

Become fluent with 12 x 12 times tables

9	x	6	=	5	4
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Partitioning to double

Find doubles to double 100 and beyond using partitioning



Grid method

Use grid multiplication to multiply 2-digit numbers by 1-digit numbers and 2-digit numbers by 2-digit numbers

×	10	6	
40	400	240	= 640
8	80	48	= 128
			<u>768</u>

Ladder method

Use ladder method to multiply 3-digit numbers by 1-digit numbers

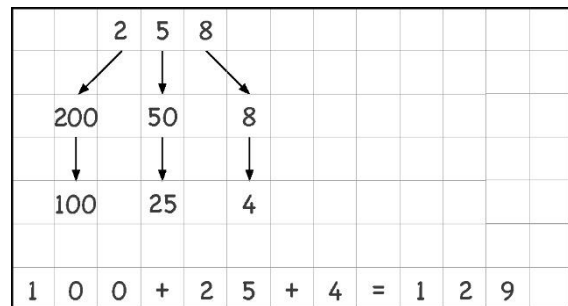
$$\begin{array}{r}
 \begin{array}{ccc} 2 & 5 & 3 \end{array} \\
 \times \quad \quad \quad 6 \\
 \hline
 1200 \leftarrow 6 \times 200 \\
 300 \leftarrow 6 \times 50 \\
 + \quad 18 \leftarrow 6 \times 3 \\
 \hline
 1518
 \end{array}$$

Multiplication

Division

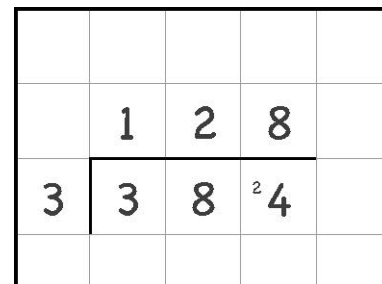
Partitioning to halve

Find half of even numbers to 200 and beyond using partitioning



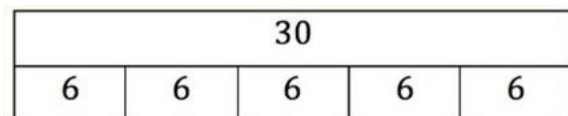
Short division

Divide 2- and 3-digit numbers by 1-digit numbers



Fractions

Revise bar modelling and use times table facts to find unit and non-unit fractions of amounts within the times-tables.



$$\frac{1}{5} \text{ of } 30 = 6 \quad (5 \times \square = 30)$$

$$\frac{3}{5} \text{ of } 30 = 18$$

Find equivalent fractions and simplify fractions to their simplest form

