



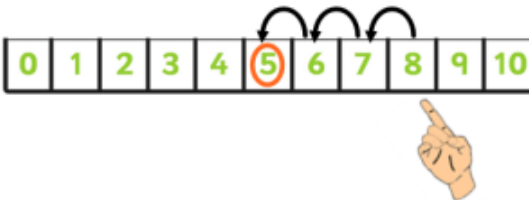
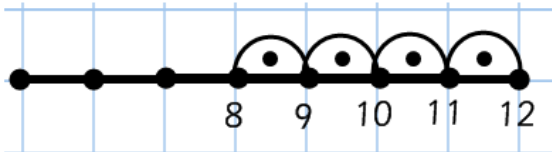
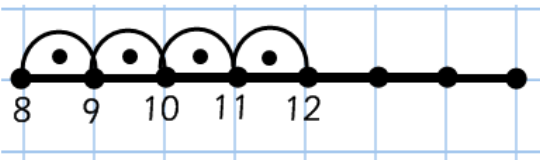


Subtraction



Year Group	Recording	Rapid Recall	Mental Calculation
Nursery Reception	<p>Practically Without number sentence</p>  <p>With number sentence</p> $3 - 1 = 2$ 	<p>Songs and rhymes involving subtraction</p> <p>Recall 1 less than a given number</p>	<p>Subtract a single digit number by counting back</p> $5 - 2$ $5, \underline{4}, 3$
Year 1	<p>Solve one-step problems including missing number problems.</p> <p>Using pictures $5 - 3 = 2$</p>  <p>Drawing using symbols $6 - 4 = 2$</p>  <p>Number track $8 - 3 = 5$</p>  <p>Guided number line $12 - 4 = 8$ Counting back</p>  <p>(Draw own number line) Counting on</p>  <p>When children are secure, teach them to count back if numbers are far apart ($32 - 5$) but count on if numbers are close ($27 - 23$).</p>	<p>Recall subtraction facts up to 10.</p>	<p>Take away a single digit number from any number up to 10 by counting back</p> $8 + 5$ $8, \underline{7}, 6, 5, 4, 3$

Subtraction



<p>Year 2</p>	<p>Use the inverse to check calculations including missing number problems.</p> <p>Round to next 10</p> $27 - 12 = 15$ <p>Add jumps</p> <p>12 20 27</p> <p>8 + 7 Start at greatest number</p> <p>Group 10's</p> $65 - 23 = 42$ <p>Add total of the jumps</p> <p>23 30 60 65</p> <p>30 + 7 + 5</p>	<p>Recall subtraction facts up to 20</p> <p>Derive subtraction facts up to 100</p>	<p>1 less 10 less</p> <p>Subtract a single digit from a two digit number</p>			
<p>Year 3</p>	<p>Subtract numbers with up to 3 digits using decomposition.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 34 \\ - 23 \\ \hline 10 + 1 \end{array}$ </td> <td style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 65 \\ - 37 \\ \hline 20 + 8 \end{array}$ </td> <td style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 365 \\ - 187 \\ \hline 100 + 70 + 8 \end{array}$ </td> </tr> </table> <p>Estimate the answer to a calculation and use inverse operations to check answers. Solve problems including missing number problems, using number facts, place value and more complex subtraction.</p>	$\begin{array}{r} 34 \\ - 23 \\ \hline 10 + 1 \end{array}$	$\begin{array}{r} 65 \\ - 37 \\ \hline 20 + 8 \end{array}$	$\begin{array}{r} 365 \\ - 187 \\ \hline 100 + 70 + 8 \end{array}$	<p>Count in ones, tens and hundreds to 1000</p> <p>Find 10 or 100 less</p>	<p>Subtract:</p> <p>HTO – O 367 – 5 HTO – T 367 – 40 HTO – H 367 – 200</p>
$\begin{array}{r} 34 \\ - 23 \\ \hline 10 + 1 \end{array}$	$\begin{array}{r} 65 \\ - 37 \\ \hline 20 + 8 \end{array}$	$\begin{array}{r} 365 \\ - 187 \\ \hline 100 + 70 + 8 \end{array}$				
<p>Year 4</p>	<p>Subtract numbers with up to 4 digits using decomposition</p> <p>Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>Solve subtraction two-step problems in contexts, deciding which operations and methods to use</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 365 \\ - 187 \\ \hline 100 + 70 + 8 \end{array}$ </td> <td style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 365 \\ - 187 \\ \hline 178 \end{array}$ </td> </tr> </table>	$\begin{array}{r} 365 \\ - 187 \\ \hline 100 + 70 + 8 \end{array}$	$\begin{array}{r} 365 \\ - 187 \\ \hline 178 \end{array}$	<p>Count forwards and backwards through zero to include negative numbers</p> <p>Find 1000 less</p>	<p>Subtract mentally combinations of two and three digit numbers and decimals to one decimal place</p> <p>e.g. 145 - 23 = 122</p> <p>5.9 - 3.4 = 2.5</p>	
$\begin{array}{r} 365 \\ - 187 \\ \hline 100 + 70 + 8 \end{array}$	$\begin{array}{r} 365 \\ - 187 \\ \hline 178 \end{array}$					

Subtraction



<p>Year 5</p>	<p>Subtract whole numbers with more than 4 digits using compact column subtraction Subtract decimals, including decimals with different numbers of decimal places Use rounding to check answers to calculations Solve subtraction multi-step problems in contexts, deciding which operations and methods to use Solve problems involving all 4 operations, including understanding the meaning of the equals sign including missing number problems</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> $\begin{array}{r} 83365 \\ - 2187 \\ \hline 81178 \end{array}$ </div> <div style="text-align: center;"> $\begin{array}{r} 833.65 \\ - 21.875 \\ \hline 811.775 \end{array}$ </div> </div>	<p>Count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000</p> <p>Count forwards and backwards with positive and negative integers</p> <p>Count forwards and backwards in simple fractions and decimals</p>	<p>Subtract mentally e.g. $12462 - 2300 = 10162$</p> <p>Subtract tenths and 0.t</p>
<p>Year 6</p>	<p>Subtract large numbers using compact column subtraction Solve multi-step problems in contexts, deciding which operations and methods to use Use estimation to check answers to calculations</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> $\begin{array}{r} 83365 \\ - 2187 \\ \hline 81178 \end{array}$ </div> <div style="text-align: center;"> $\begin{array}{r} 833.65 \\ - 21.875 \\ \hline 811.775 \end{array}$ </div> </div>	<p>Count forwards and backwards in steps of integers, decimals or powers of 10 for any number</p>	<p>Perform mental calculations with mixed operations and large numbers</p>