

Key Vocabulary	Addition and Subtraction Methods	
Add	<h3>Add 4-digit numbers</h3> <p><b>No exchange</b></p> $\begin{array}{r} 5162 \\ +3427 \\ \hline 8589 \end{array}$ <p>Starting with the ones, add each column in turn.</p> <p><b>One exchange</b></p> $\begin{array}{r} 5162 \\ +3497 \\ \hline 8659 \\ 1 \end{array}$ <p>Starting with the ones, add each column in turn. When adding 6 tens + 9 tens = 15 tens = 1 hundred + 5 tens Place 1 hundred under the hundreds answer and 5 tens in the answer.</p> <p><b>Multiple exchanges</b></p> $\begin{array}{r} 5864 \\ +3497 \\ \hline 9361 \\ 111 \end{array}$ <p>Starting with the ones, add each column in turn. Exchange tens, hundreds and/ or thousands as required.</p>	<h3>Subtract 4-digit numbers</h3> <p><b>No exchange</b></p> $\begin{array}{r} 5789 \\ -3421 \\ \hline 2368 \end{array}$ <p>Starting with the ones, subtract each column in turn.</p> <p><b>One exchange</b></p> $\begin{array}{r} 61 \\ 5749 \\ -3471 \\ \hline 2278 \end{array}$ <p>Starting with the ones, subtract each column in turn. When subtracting 4 tens - 7 tens, exchange 1 hundred to make: 14 tens - 7 tens = 7 tens</p> <p><b>Multiple exchanges</b></p> $\begin{array}{r} 6131 \\ 5782 \\ -3476 \\ \hline 2266 \end{array}$ <p>Starting with the ones, subtract each column in turn. Exchange tens, hundreds and/ or thousands as required.</p>
Total		
Plus		
Sum		
More		
Altogether		
Difference		
Subtract		
Less		
Minus		
Take away		
Mentally, Orally		
Column Addition		
Column Subtraction		
Exchange		
Estimate		
Inverse operation		
Solve problems	<b>Efficient subtraction</b>	
Number facts		
visit <a href="https://www.twinkl.com">twinkl.com</a>	<b>Calculate 6000 - 3617 = 2383</b>	

Add and Subtract 1s, 10s, 100s, 1000s	Round to Estimate									
<p><b>Here is the number 3124</b></p> <p>Add 2 thousands = 5124 Add 5 hundreds = 5624 Subtract 2 tens = 5604 Add 5 ones = 5609</p> <p><b>Here is the number 6708</b></p> <table border="1" style="width: 100%; text-align: center;"> <tr> <th>Thousands</th> <th>Hundreds</th> <th>Tens</th> <th>Ones</th> </tr> <tr> <td>6</td> <td>7</td> <td>0</td> <td>8</td> </tr> </table> <p>Add 3 thousands = 9708 Subtract 4 hundreds = 9308 Add 5 tens = 9358 Subtract 7 ones = 9351</p> <p><b>Crossing ones, tens or hundreds</b></p> <p>5392 + 4 tens = 5432      crossing tens 5126 - 600 = 4526      crossing hundreds</p> <p>When crossing ones, tens or hundreds, more than one digit will change.</p>	Thousands	Hundreds	Tens	Ones	6	7	0	8	<p>1635 + 386 = 2021 Round to the nearest ten 1640 + 390 = 2030 Round to the nearest hundred 1600 + 400 = 2000</p> <p>Both give a reasonable estimate, but rounding the nearest ten is more accurate.</p>	<p>9362 - 5729 = 3622 Round to the nearest hundred 9400 - 5700 = 3700 Round to the nearest thousand 9000 - 6000 = 3000</p> <p>Rounding to the nearest hundred is much more accurate in this case.</p>
Thousands	Hundreds	Tens	Ones							
6	7	0	8							
	Checking Strategies									
	<p><b>Using Inverse</b></p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="background-color: #c6c8ca;">3476</td> </tr> <tr> <td style="background-color: #e2e3e5;">2732</td> </tr> <tr> <td style="background-color: #d4d5d6;">744</td> </tr> </table> <p>3476 - 744 = 2732 can be checked using 2732 + 744 = 3476</p> <p>This part whole shows the inverse calculations using these three numbers.</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>1549 + 2688 = 4237</td> <td>2688 + 1549 = 4237</td> </tr> <tr> <td>4237 - 1549 = 2688</td> <td>4237 - 2688 = 1549</td> </tr> </table>	3476	2732	744	1549 + 2688 = 4237	2688 + 1549 = 4237	4237 - 1549 = 2688	4237 - 2688 = 1549	<p><b>Adding in a different order</b></p> <p>420 + 372 + 280 =</p> <p><b>Change to</b></p> <p>420 + 280 + 372 =</p> <p>As 420 + 280 = 700 (because 42 + 28 = 70)</p> <p>420 + 280 + 372 = 700 + 372 = 1072</p>	
3476										
2732										
744										
1549 + 2688 = 4237	2688 + 1549 = 4237									
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