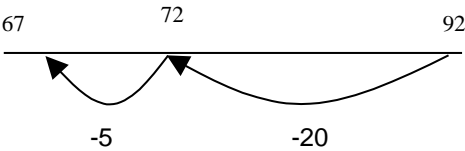
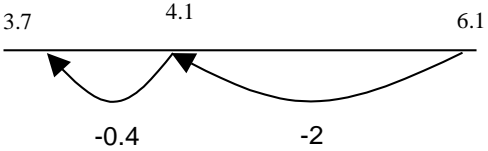
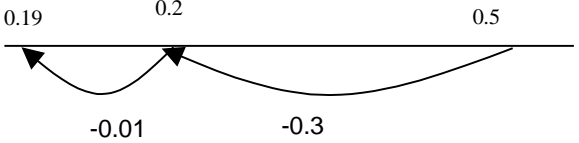


**CARLTON JUNIOR AND INFANT SCHOOL CALCULATION POLICY - SUBTRACTION GUIDELINES**  
 (- = signs and missing numbers: Continue using a range of equations as in Year 1 and 2 but with appropriate numbers.)

Year Four	Year Five	Year Six																																												
<p><b><u>Find a small difference by counting up</u></b>                      e.g. <math>5003 - 4996 = 7</math>                      This can be modelled on an empty number line (see complementary addition below). Children should be encouraged to use known number facts to reduce the number of steps.</p> <p><b><u>Subtract the nearest multiple of 10, then adjust.</u></b>                      Continue as in Year 2 and 3 but with appropriate numbers.</p> <p><b><u>Use known number facts and place value to subtract</u></b>  <math>92 - 25 = 67</math></p>  <p style="color: blue; text-align: center;"><b>Pencil and paper procedures</b></p> <p><math>71 - 46 =</math></p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr><td style="padding-right: 10px;">70</td><td>1</td></tr> <tr><td style="padding-right: 10px;">40</td><td>6</td></tr> <tr><td colspan="2"><hr style="border: 0.5px solid black;"/></td></tr> <tr><td style="padding-right: 10px;">60</td><td>11</td></tr> <tr><td style="padding-right: 10px;">40</td><td>6</td></tr> <tr><td colspan="2"><hr style="border: 0.5px solid black;"/></td></tr> <tr><td style="padding-right: 10px;">20</td><td>5</td></tr> </table> <p style="margin-left: 20px;"><math>20 + 5 = 25</math></p> <p>Leading onto decomposition</p>	70	1	40	6	<hr style="border: 0.5px solid black;"/>		60	11	40	6	<hr style="border: 0.5px solid black;"/>		20	5	<p><b><u>Find a difference by counting up</u></b>                      e.g. <math>8006 - 2993 = 5013</math>                      This can be modelled on an empty number line (see complementary addition below).</p> <p><b><u>Subtract the nearest multiple of 10 or 100, then adjust.</u></b>                      Continue as in Year 2, 3 and 4 but with appropriate numbers.</p> <p><b><u>Use known number facts and place value to subtract</u></b>  <math>6.1 - 2.4 = 3.7</math></p>  <p style="color: blue; text-align: center;"><b>Pencil and paper procedures</b></p> <p style="text-align: center;"><b>Decomposition</b></p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr><td style="padding-right: 5px;">5</td><td style="padding-right: 5px;">13</td><td>1</td></tr> <tr><td></td><td style="padding-right: 5px;"><del>6</del></td><td><del>4</del>67</td></tr> <tr><td></td><td style="padding-right: 5px;">-</td><td>2684</td></tr> <tr><td></td><td></td><td><hr style="border: 0.5px solid black;"/></td></tr> <tr><td></td><td></td><td>3783</td></tr> </table>	5	13	1		<del>6</del>	<del>4</del> 67		-	2684			<hr style="border: 0.5px solid black;"/>			3783	<p><b><u>Find a difference by counting up</u></b>                      e.g. <math>8000 - 2785 = 5215</math>                      To make this method more efficient, the number of steps should be reduced to a minimum through children knowing:</p> <ul style="list-style-type: none"> <li>▪ Complements to 1, involving decimals to two decimal places ( <math>0.16 + 0.84</math> )</li> <li>▪ Complements to 10, 100 and 100</li> </ul> <p><b><u>Subtract the nearest multiple of 10, 100 or 1000, then adjust</u></b>                      Continue as in Year 2, 3, 4 and 5 but with appropriate numbers.</p> <p><b><u>Use known number facts and place value to subtract</u></b>  <math>0.5 - 0.31 = 0.19</math></p>  <p style="color: blue; text-align: center;"><b>Pencil and paper procedures</b></p> <p style="text-align: center;"><b>Decomposition</b></p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr><td style="padding-right: 5px;">5</td><td style="padding-right: 5px;">13</td><td>1</td></tr> <tr><td></td><td style="padding-right: 5px;"><del>6</del></td><td><del>4</del>67</td></tr> <tr><td></td><td style="padding-right: 5px;">-</td><td>2684</td></tr> <tr><td></td><td></td><td><hr style="border: 0.5px solid black;"/></td></tr> <tr><td></td><td></td><td>3783</td></tr> </table>	5	13	1		<del>6</del>	<del>4</del> 67		-	2684			<hr style="border: 0.5px solid black;"/>			3783
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