
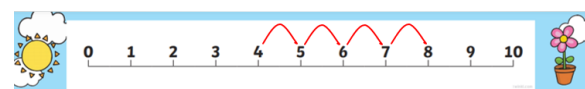
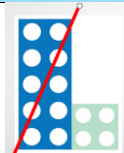
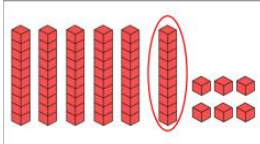
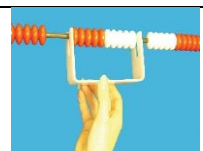
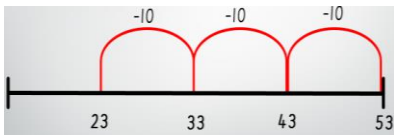
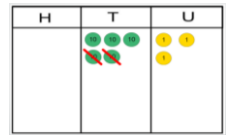
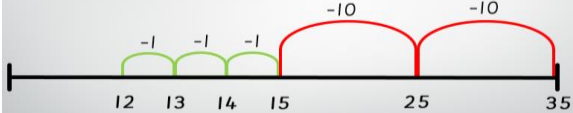





## Progression in Calculations - Subtraction

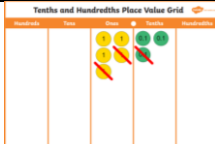


Skill	Example	Methods									
Take away objects to find 'how many are left?'		Use concrete objects and physically remove									
Use 'counting back' strategies to mentally solve problems within 10	$6-2=$ $8-4=$	 									
Subtract 10 from a teen number	$14-10=$										
Subtract 10 or 20 from a given number up to 100	$66-10$										
Subtract any multiple of 10 from any 2 digit number within 100	$53-30$	  									
Use a jumping strategy to subtract two 2-digit numbers (no bridging)	$35-23=$										
Use a jumping strategy to subtract 2 digit numbers	$53-24$										
Use expanded vertical methods to subtract 2 digit numbers (bridging)	$81-57=$	<p>Expanded</p> $\begin{array}{r} 70 \\ 80 \\ 50 \\ 20 \end{array} + \begin{array}{r} 11 \\ 7 \\ 4 \end{array} =$ <p>10 + 1 = 11</p>									
Subtract a 2 digit number from a 3 digit number	$647-62$	<p>Expanded</p> $\begin{array}{r} 500 \\ 600 \\ 500 \end{array} + \begin{array}{r} 40 \\ 60 \\ 80 \end{array} + \begin{array}{r} 7 \\ 2 \\ 5 \end{array} =$ <p>100 + 40 = 140</p> <p>Compact</p> <table border="1"> <thead> <tr> <th>H</th> <th>T</th> <th>U</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>4</td> <td>7</td> </tr> <tr> <td>5</td> <td>8</td> <td>5</td> </tr> </tbody> </table>	H	T	U	5	4	7	5	8	5
H	T	U									
5	4	7									
5	8	5									



## Progression in Calculations - Subtraction



Subtract whole numbers and tenths within 10 (no bridging)	5.3-2.1	
Subtract 3 digit numbers	634-275	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Expanded</p> <math display="block">\begin{array}{r} 500 \\ - 200 \\ \hline 300 \end{array} + \begin{array}{r} 30 \\ - 70 \\ \hline 40 \end{array} + \begin{array}{r} 4 \\ - 5 \\ \hline 0 \end{array}</math> </div> <div style="text-align: center;"> <p>Compact</p> <math display="block">\begin{array}{r} H \quad T \quad U \\ 5 \quad 3 \quad 4 \\ - 2 \quad 7 \quad 5 \\ \hline 3 \quad 5 \quad 9 \end{array}</math> </div> </div>
Subtract 1 place decimals	72.6 - 28.3	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Expanded</p> <math display="block">\begin{array}{r} 60 \\ 70 \\ - 20 \\ \hline 40 \end{array} + \begin{array}{r} 2 \\ 8 \\ - 8 \\ \hline 0 \end{array} + \begin{array}{r} 0.6 \\ 0.3 \\ - 0.3 \\ \hline 0.3 \end{array}</math> </div> <div style="text-align: center;"> <p>Compact</p> <math display="block">\begin{array}{r} 60 \quad 2 \quad 6 \\ 72.6 \\ - 28.3 \\ \hline 44.3 \end{array}</math> </div> </div>
Subtract numbers using whole numbers and decimals	83.65-58.8	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Expanded</p> <math display="block">\begin{array}{r} 80 + 3 + 0.6 + 0.05 \\ 50 + 8 + 0.8 + 0 \\ \hline 0.05 \end{array}</math> </div> <div style="text-align: center;"> <p>Compact</p> <math display="block">\begin{array}{r} 80 + 3 + 0.6 + 0.05 \\ 50 + 8 + 0.8 + 0 \\ \hline 20 + 4 + 0.8 + 0.05 \end{array}</math> </div> <div style="text-align: center;"> <p>Compact</p> <math display="block">\begin{array}{r} 80 \quad 3 \quad 6 \quad 5 \\ 58 \quad 8 \quad 8 \quad 0 \\ \hline 21 \quad 4 \quad 8 \quad 5 \end{array}</math> </div> </div>