

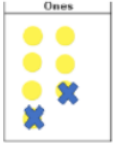

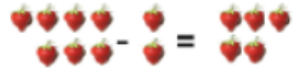
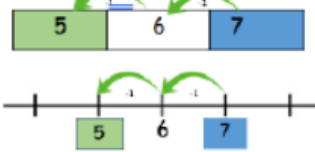
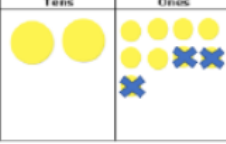
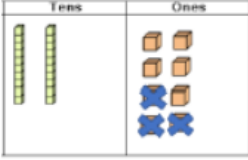
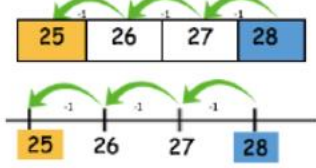
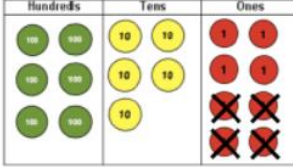
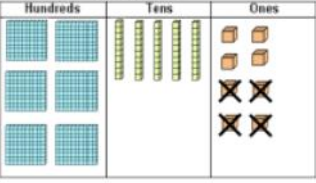

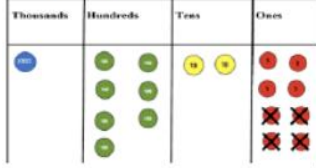
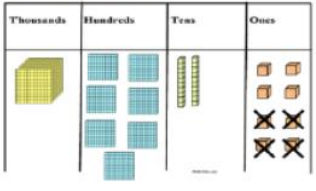
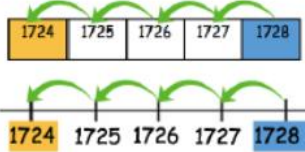
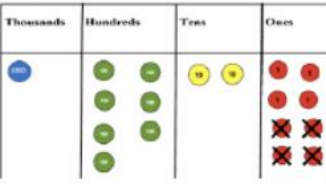
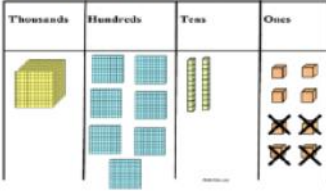
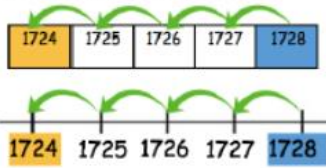
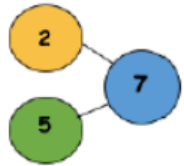


Calculation Policy: Subtraction

Year 1	Year 2	Year 3	Year 4	Year 5 / 6
<p>Tens frame:</p>  <p>Tens strip:</p>  <p>Count back from the biggest number: $7 - 2 = 5$</p> <p>Counters method:</p>  <p>Base 10 method:</p>  <p>Picture method:</p>  <p>Number line method:</p> 	<p>Counters method:</p>  <p>Base 10 method:</p>  <p>Number line method:</p> 	<p>Counters method:</p>  <p>Base 10 method:</p>  <p>Number line method:</p> 	<p>Counters method:</p>  <p>Base 10 method:</p>  <p>Number line method:</p> 	<p>Counters method:</p>  <p>Base 10 method:</p>  <p>Number line method:</p> 

Number bond method:



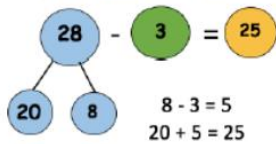
Number bond method:



Number bond method:



Number bond method:



Bar model:



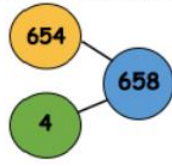
Column subtraction:

Without renaming:	With renaming:	Expanded method:
$\begin{array}{r} 28 \\ - 3 \\ \hline 25 \end{array}$	$\begin{array}{r} 1 \ 13 \\ 28 \\ - 3 \\ \hline 25 \end{array}$	$\begin{array}{r} 29 \\ - 14 \\ \hline 5 \\ - 10 \\ \hline 15 \end{array}$

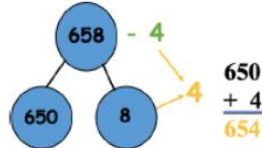
Abstract calculations:

Commutative	Inverse
$25 + 3 = 28$	$28 - 3 = 25$
$3 + 25 = 28$	$28 - 25 = 3$

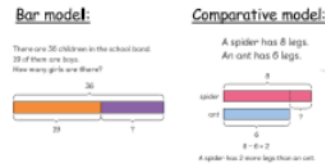
Number bond method:



Number bond method:



Bar models:



Column subtraction:

Without renaming:	With renaming:
$\begin{array}{r} 658 \\ - 4 \\ \hline 654 \end{array}$	$\begin{array}{r} 4 \ 1 \\ 658 \\ - 4 \\ \hline 309 \end{array}$

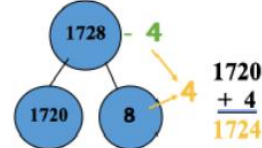
Abstract calculations:

Commutative	Inverse
$658 - 4 = 654$	$654 + 4 = 658$
$658 - 654 = 4$	$4 + 654 = 658$

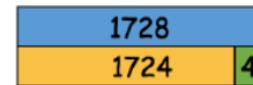
Number bond method:



Number bond method:



Bar model:



Column subtraction:

Without renaming:	With renaming:
$\begin{array}{r} 1728 \\ - 4 \\ \hline 1724 \end{array}$	$\begin{array}{r} 6 \ 11 \ 18 \\ 1728 \\ - 4 \\ \hline 379 \end{array}$

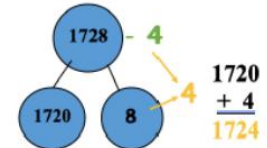
Abstract calculations:

Commutative	Inverse
$1728 - 4 = 1724$	$1724 + 4 = 1728$
$1728 - 1724 = 4$	$4 + 1724 = 1728$

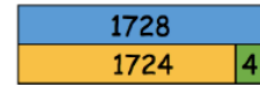
Number bond method:



Number bond method:



Bar model:



Column subtraction:

Without renaming:	With renaming:
$\begin{array}{r} 1728 \\ - 4 \\ \hline 1724 \end{array}$	$\begin{array}{r} 6 \ 11 \ 18 \\ 1728 \\ - 4 \\ \hline 379 \end{array}$

Inverse Calculations

Commutative	Inverse
$1728 - 4 = 1724$	$1724 + 4 = 1728$
$1728 - 1724 = 4$	$4 + 1724 = 1728$

