




Ivy Lane School Calculation Policy

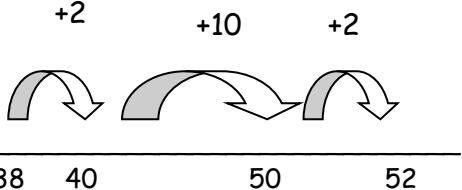
Subtraction

Revised and Re-issued November 2019

Ivy Lane School Progression of calculation

Subtraction

Key objective	Year group expectation	Examples of methods	Vocabulary.	Manipulatives	Mastery Resources & Server location
Counting backwards from 20	Year 1		Less Take away How many are left?	Cubes Counters Diennes	IseereasoningKS1 (T;/curriculum/Maths) White Rose
Practical taking away from a set of objects. Draw objects and cross out number taken away.	Year 1		How many fewer is than..? Difference Subtract Minus How much less is?	Cubes Counters Diennes	IseereasoningKS1 (T;/curriculum/Maths) White Rose
Find one less than a number (1-30)	Year 1				
Number sentence with objects drawn. Extend to number sentences without having to draw objects.	Year 1	$5 - 3 = 2$ 	How many fewer is than..? Difference Subtract		
Put larger number in your head and count on.	Year 1	$11-4=7$ 11 in my head, 10, 9, 8, 7, Or begin at 7 and count on to reach 11.			

<p>Find 10 less than a number (0-30) (0 - 100)</p>	<p>Year 2</p>	<p>Subtract multiples of 10 $80 - 30 = 50$</p> <p>80 goes in my head, 70, 60, 50.</p>	<p>Place value Less than Tens Hundreds Count back Difference between</p>	<p>Cubes Counters Diennes 100 square</p>	
<p>Count on from the smallest number to the largest, (find the difference)</p>	<p>Year 2</p>	<p>Example $52 - 38 = 14$</p> 	<p>Largest Smallest Count on Find the difference Take away Minus Less than</p>	<p>Cubes Counters Diennes 100 square</p>	<p>IseereasoningKS1 White Rose +(T;/curriculum/Maths/ Reasoning T&L)</p>

PLEASE SEE YEAR R-2 FOR MANIPULATIVES

<p>Subtract the most significant digit first</p>	<p>Y3</p>	<p>70 + 4</p> $\begin{array}{r} - 30 + 1 \\ \hline 40 + 3 = 43 \end{array}$ <p>No crossing over boundaries</p>	<p>Partition Tens Units Hundreds Borrowing</p>	<p>IseereasoningLKS2 White Rose +(T;/curriculum/Maths/ Reasoning T&L)</p>
<p>Always use alongside empty no. line Extend to 3 digit numbers</p>	<p>Y3/4</p>	<p>74 70 + 4 6070 + 14 4 - 27 20 + 7 <u>20 + 7</u> 40 + 7 = 47</p>	<p>Partition Tens Units Hundreds Borrowing</p>	
<p>Standard column method with decomposition Initially, decomposition crossing over 10's boundary then crossing over 100's boundary, then more than one boundary.</p>	<p>Y4/5/6</p>	<p>17 8 3 3 7 - <u>1 4 6</u></p>	<p>Take away Find the difference Minus Leave Subtract Decomposition 10's/100's boundary</p>	<p>IseereasoningLKS2/UKS2 White Rose +(T;/curriculum/Maths/ Reasoning T&L)</p>
<p>Extend written method to include decimals with 1 & then 2 decimal places (and in context of money)</p>	<p>Y5/6</p>			