

Subtraction



Year	1	2	3	4	5	6			
Written Methods	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs		3-digit numbers – partitioning See counting up and counting back from Year 2. Apply to 3-digit numbers.		Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition where appropriate		Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)		
Developing conceptual understanding	<p>Number bonds</p> <p>(Ten frame) Difference between 7 and 10</p> <p>6 less than 10 is 4</p> <p>Count out, then count how many are left.</p> <p>$7 - 4 = 3$</p> <p>Count back on a number track, then number line.</p> <p>$15 - 6 = 9$</p> <p>Difference between 13 and 8</p> <p>$13 - 8 = \underline{\quad}$</p> <p>$8 + \underline{\quad} = 13$</p>		<p>Number track / Number line – jumps of 1 then efficient jumps using number bonds</p> <p>$23 - 5 = 18$</p> <p>Using a number line, $73 - 46 = 26$</p> <p>Difference between 73 – 58 by counting up, $58 + \underline{\quad} = 73$</p> <p>Taking away and exchanging, $73 - 46$</p> <p>‘Where’s the forty and six?’</p> <p>Exchange to create ‘sixty thirteen’</p> <p>‘Twenty seven’</p> <p>‘Now take away the forty and six’</p>		<p>Taking away and exchanging, 344 – 187</p> <p>Place value counters</p> <p>‘Where’s the one hundred and eighty and seven?’</p> <p>Exchange to create three hundred and thirty and fourteen. Now take away the ‘seven’</p> <p>Exchange to create two hundred, thirteen tens and seven</p> <p>Now take away the ‘eighty’</p> <p>Now take away the ‘one hundred’</p>		<p>Up to 4-digit numbers – expanded method</p> <p>$726 - 392$</p> <p>$600 \ 120$ $700 \ 20 \ 6$</p> <p>$+ 300 \ 90 \ 2$</p> <p>$300 \ 30 \ 4 = 334$</p> <p>Column subtraction</p> <p>13 $2 \ 8 \ 14$ $1 \ 1 \ 8 \ 7$</p> <p>$1 \ 1 \ 5 \ 7$</p>		
With jottings ... or in your head	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$		Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers		Add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds		Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why		
Just know it!	Represent and use number bonds and related subtraction facts within 20 Add and subtract one-digit and two-digit numbers to 20, including zero		Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100						
Foundations	<p>1 less</p> <p>Number bonds, subtraction: 5, 6</p> <p>Count back</p> <p>Number bonds, subtraction: 7, 8</p> <p>Subtract 10.</p> <p>Number bonds, subtraction: 9, 10</p> <p>Teens subtract 10.</p> <p>Difference between</p>	<p>10 less</p> <p>Number bonds, subtraction: 20, 12, 13</p> <p>Number bonds, subtraction: 14, 15</p> <p>Subtract 1 digit from 2 digit by bridging</p> <p>Partition second number, count back in 10s then 1s</p> <p>Subtract 10 and multiples of 10</p> <p>Number bonds, subtraction: 16, 17</p> <p>Subtract near multiples of 10</p> <p>Difference between</p> <p>Number bonds, subtraction: 18, 19</p>	<p>Subtract multiples of 10 and 100</p> <p>Subtract single digit by bridging through boundaries</p> <p>Partition second number to subtract</p> <p>Difference between</p> <p>Subtract near multiples of 10 and 100 by rounding and adjusting</p> <p>Difference between</p>	<p>Subtract multiples of 10s, 100s, 1000s</p> <p>Fluency of 2 digit subtract 2 digit</p> <p>Partition second number to subtract</p> <p>Decimal subtraction from 10 or 1</p> <p>Difference between</p> <p>Subtract near multiples by rounding and adjusting</p> <p>Difference between</p>	<p>Subtract multiples of 10s, 100s, 1000s, tens, hundredths</p> <p>Fluency of 2 digit - 2 digit including with decimals</p> <p>Partition second number to subtract</p> <p>Difference between</p> <p>Adjust numbers to subtract</p> <p>Difference between</p>	<p>Subtract multiples of 10s, 100s, 1000s, tens, hundredths</p> <p>Fluency of 2 digit - 2 digit including with decimals</p> <p>Partition second number to subtract</p> <p>Use number facts bridging and place value</p> <p>Adjust numbers to subtract</p> <p>Difference between</p>			