



Subtraction

Written Methods	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	Add and subtract two two-digit numbers using concrete objects, pictorial representations progressing to formal written methods $\begin{array}{r} 61 \\ 73 \\ - 46 \\ \hline 27 \end{array}$	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction $\begin{array}{r} 231 \\ 344 \\ - 187 \\ \hline 157 \end{array}$	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition where appropriate $\begin{array}{r} 2311 \\ 2344 \\ - 187 \\ \hline 2157 \end{array}$	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) $\begin{array}{r} 2311 \\ 52344 \\ - 1187 \\ \hline 51157 \end{array}$	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
Developing conceptual understanding	Number bonds (Ten frame) Difference between 7 and 10 6 less than 10 is 4 Count out, then count how many are left. $7 - 4 = 3$ Count back on a number track, then number line. $15 - 6 = 9$ Difference between 13 and 8 $13 - 8 = 5$ $8 + 5 = 13$ 	Number track / Number line – jumps of 1 then efficient jumps using number bonds $23 - 5 = 18$ Using a number line, $73 - 46 = 27$ Difference between 73 – 58 by counting up. $58 + __ = 73$ Taking away and exchanging, $73 - 46$ 	Taking away and exchanging, $344 - 187$ Place value counters Where's the one hundred and eighty and seven? Exchange to create three hundred and thirty and fourteen. Now take away the 'seven' Exchange to create two hundred, thirteen tens and seven. Now take away the 'eighty' Now take away the 'one hundred' 			
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	Add and subtract numbers mentally with increasingly large numbers	Perform mental calculations, including with mixed operations and large numbers
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				
Year	1	2	3	4	5	6
Foundations	1 less Number bonds, subtraction: 5, 6	10 less Number bonds, subtraction: 20, 12, 13	Subtract multiples of 10 and 100	Subtract multiples of 10s, 100s, 1000s	Subtract multiples of 10s, 100s, 1000s, 10ths	Subtract multiples of 10s, 100s, 1000s, 10ths, hundredths
	Count back Number bonds, subtraction: 7, 8	Subtract 1 digit from 2 digit by bridging	Subtract single digit by bridging through boundaries	Fluency of 2 digit subtract 2 digit	Fluency of 2 digit - 2 digit including with decimals	Fluency of 2 digit - 2 digit including with decimals
	Subtract 10. Number bonds, subtraction: 9, 10	Partition second number, count back in 10s then 1s	Partition second number to subtract	Partition second number to subtract Decimal subtraction from 10 or 1	Partition second number to subtract	Partition second number to subtract
	Teens subtract 10.	Subtract 10 and multiples of 10 Number bonds, subtraction: 16, 17	Difference between	Difference between	Difference between	Use number facts bridging and place value
	Difference between	Subtract near multiples of 10	Subtract near multiples of 10 and 100 by rounding and adjusting	Subtract near multiples by rounding and adjusting	Adjust numbers to subtract	Adjust numbers to subtract
		Difference between Number bonds, subtraction: 18, 19	Difference between	Difference between	Difference between	Difference between