			Addition		C	5 🕺
Written Methods	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs		Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction $4 \ 2 \ 3$ $+ \ \frac{8 \ 8}{5 \ 1 \ 1}$	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition where appropriate $\begin{array}{r} 2458\\+\underline{596}\\3054\\1&1\end{array}$	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	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) Numicon Use bonds of 10 to calculate bonds of 20 Count all Count all Count on 8 10 10 10 10 10 10 10 10 10 10	Number track / Number line – jumps of 1 then efficient jumps using number bonds 18 + 5 = 23 46 + 27 = 73 Count in tens then bridge. 46 + 27 = 73 Count in tens then bridge. 25 + 29 by + 30 then -1 (Round and adjust) Partition and recombine 46 + 27 = 60 + 13 = 73 103 104 104 105 104 105 105 105 105 105 105 105 105 105 105	Number line: 264 + 158 efficient jumps $\begin{array}{c} \downarrow $		23454 + 596 - 24050 - 111	
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 $7 = D - 9$	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 & 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
	1 more	10 more Number bonds: 20, 12, 13	Add multiples of 10, 100	Add multiples of 10s , 100s, 1000s	Add multiples of 10s, 100s, 1000s, tenths,	Add multiples of 10s , 100s, 1000s, tenths, hundredths
	Number bonds: 5, 6 Largest number first.	Number bonds: 14,15 Add 1 digit to 2 digit by bridging. Partition second number, add tens then	Add single digit bridging through boundaries Partition second number to add	Fluency of 2 digit + 2 digit Partition second number to add	Fluency of 2 digit + 2 digit including with decimals Partition second number to	Fluency of 2 digit + 2 digit including with decimals Partition second number to
Basic Skills	Number bonds: 7, 8 Add 10.	ones Add 10 and multiples.	Pairs of 100	Decimal pairs of 10 and 1	add Use number facts, bridging	add Use number facts, bridging
	Number bonds: 9, 10	Number bonds: 16 and 17 Doubles up to 20 and multiples of 5	Use near doubles to add	Use near doubles to add	and place value	and place value
	Ten plus ones. Doubles up to 10	Add near multiples of 10.	Add near multiples of 10 and 100 by rounding and adjusting	Adjust both numbers before adding Add near multiples	Adjust numbers to add	Adjust numbers to add
		Number bonds: 18, 19				

<u>_</u>			Subtraction		0	5 🚽
Written Methods	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs		Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction $2 3 1$ 3 4 4 $- \frac{187}{157}$	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition where appropriate $1 \\ 2 \\ 3 \\ 4 \\ 4$	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) $2^{\frac{1}{3}\frac{1}{3}}$ 52.3.4.4	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= 8+=13	Number track / Number line – jumps of 1 then efficient jumps using number bonds 23 - 5 = 18 Using a number line, $73 - 46 = 26$ 3 + 2 + 2 + 3 + 3	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 Now take away the 'one hundred	- <u>187</u> <u>2157</u>	- <u>1187</u> <u>51157</u>	
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 $7 = D - 9$	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
	1 less Number bonds, subtraction: 5, 6 Count back Number bonds, subtraction: 7, 8	10 less Number bonds, subtraction: 20, 12, 13 Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging Partition second number, count back in 10s then 1s	Subtract multiples of 10 and 100 Subtract single digit by bridging through boundaries Partition second number to subtract	Subtract multiples of 10s , 100s, 1000s Fluency of 2 digit subtract 2 digit Partition second number to subtract	Subtract multiples of 10s , 100s, 100os, tenths, Fluency of 2 digit - 2 digit including with decimals Partition second number to subtract	Subtract multiples of 10s, 100s, 100s, tenths, hundredths Fluency of 2 digit - 2 digit including with decimals Partition second number to subtract
Basic Skills	Subtract 10. Number bonds, subtraction: 9, 10	Subtract 10 and multiples of 10 Number bonds, subtraction: 16, 17 Subtract near multiples of 10	Difference between Subtract near multiples of 10 and 100 by	Decimal subtraction from 10 or 1 Difference between Subtract near multiples by	Difference between	Use number facts bridging and place value
	Teens subtract 10.		rounding and adjusting	rounding and adjusting	Adjust numbers to subtract	Adjust numbers to subtract
		Difference between				