



North Beckton Primary School – Calculation Policy - Addition

Addition	Method	Vocabulary	CPA	Additional notes
EYFS to 10	Counters, Fingers, concrete resources, mark making representation	Count on, count forward, more, add, plus, altogether, total, how many more	2 + 1 = 3 5 + 4 = 9	This will mostly be done through extended learning time or adult focus
Year 1 to 20	Counters/objec ts, count on the number line, 100 square, 2 digit by 1 digit	Add, plus, altogether, and, more, makes, total, how many more, count on, larger	Numberline 18 + 3 = 21 18 + 3 = 21	Children can also use the chips and beans method without regrouping. Number sentences word problems should be 1 step.
Year 2 to 100	Counting on the number line, 100 square, partitioning	Add, addition, plus, altogether, and, total, increase, count on, partition, sum, inverse, regrouping	Partitionng using a number line – see additional notes $58 \pm 13 = 71$ ± 10 ± 1 ± 1 ± 1 58 68 69 70 71	First sequences of lessons should be taught via number line (partition method) and then progress to compact column method to support with SATS. Chips – tens Beans – ones Waffles – hundred



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			$\begin{array}{c} +10 +10 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 +1 $	
Year 3 3 digits	Column method Expanded and compact HTO	Regrouping, sum, add, addition, altogether, more, make, total, increase, partition, compact, expanded, hundreds, tens, ones, column method	Expanded and compact column method. (3 digits) 535+464=999 Expanded compact H T 0 500+30+5 $+464400+60+4$ $+464900+90+9=999$ $999Regrouping example535+467=1002Expanded compactH T 0 H T0500+30+5$ $535+400+60+7$ $+467900+90+12=10021002$	For regrouping keep number in the same column even if it exceeds.
Year 4	Expanded and	Regrouping, sum,	Expanded and compact column method (4 digit)	Expanded method
4 digits	compact	add, addition,		and compact
	addition	altogether, more,		method should be
	method	make, total,		shown side by side





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	compact, expanded, hundreds, tens, ones, column	expanded, hundreds, tens,	Expanded Column method (no - regrouping) 2541+5235 = Th H T O 2000+500+70+1 +5000+200+30+5 7000+700+70+6=7776 Compact Column method (no - regrouping) Th HT O 2541 +5235 7776	once pupils have understood the expanded method.
			Expanded re-grouping 2345+3914=6259 Th H T O 2000+300+40+5 3000+900+10+4 5000+1200509=6259 Compact ThHTO 2345 3914 6259	
Year 5 More than 4 digits	Compact coloumn method HTho Th H T O	Regrouping, sum, add, addition, altogether, more, make, total, increase, partition, compact,	Formal written compact method (without regrouping) Formal written compact method (no regrouping) 4654843+1325156 =	Concrete – place value coins When regrouping compact method carry over at the bottom.



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		expanded, hundreds, tens, ones, column method, thousand, ten thousand, hundred thousand	$\begin{array}{r} \text{MHm Th H T 0} \\ +465+8+3 \\ \underline{1325136} \\ 59799999 \\ \hline 59799999 \\ \hline 784379+233875 \\ \hline \text{MHm Th Th H T 0} (with regrouping) \\ \hline 784379 \\ +233875 \\ \hline 1018254 \\ \hline 111 \\ \hline \end{array}$	
Year 6 All of the above and a million	Formal written compact method	Regrouping, sum, add, addition, altogether, more, make, total, increase, partition, compact, expanded, hundreds, tens, ones, column method, thousand, ten thousand, hundred thousand, million	Formal written compact method (without regrouping) Formal written compact method (no regrouping) 4654843+1325156= MHH Th Th H T O 465+8+3 1325156 59799999 Formal written compact method (with regrouping) 784379+233875= MHH TH Th H T O (with 784379 regrouping) +233875 1018254	Once ready pupils should be doing this method without the units.