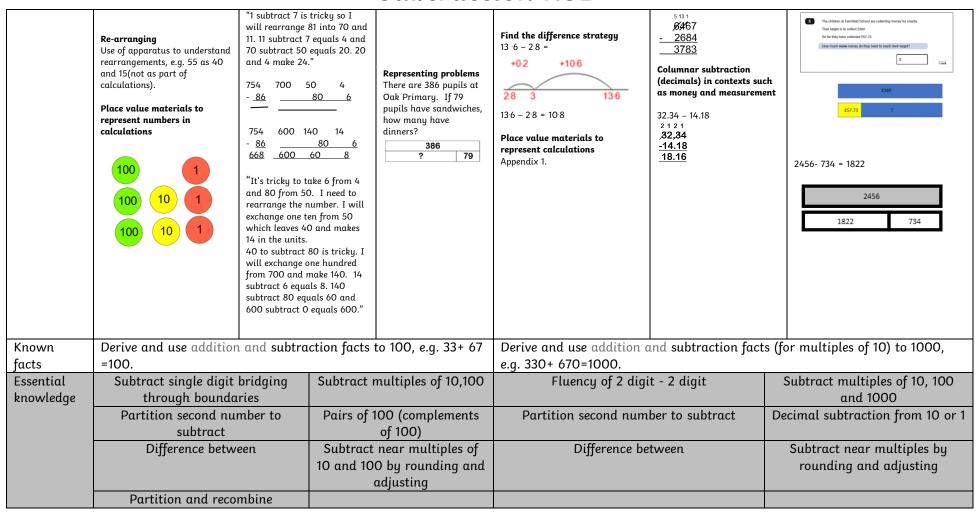


KS1	Pupils should practise subtraction to 20 and within to become increasingly fluent. They should use the facts they know to derive others, e.g using 10 - 7 = 3 and 7 = 10 - 3 to calculate 100 - 70 = 30 and 70 = 100 - 30. Know the effect of zero. As well as number lines, 100 squares could be used to model calculations such as 74 - 11, 77 - 9 or 36 - 14, where partitioning or adjusting are used. Pupils should learn to check their calculations, including by adding to check. They should continue to see subtraction as both take away and finding the difference and should find a small difference by counting up. They should use Dienes to model partitioning into tens and ones* and learn to partition numbers in different ways e.g. 23 = 20 + 3 = 10 + 13.										
Year		3		4							
Layers of vocabulary Appendix 1a Beck's Tiers of Vocabulary Appendix 1b: Vocabulary book	Basic to subject specifi subtract, subtraction, to left/left over? one less, many fewer is than half, halve = equals, sighundreds boundary exchange, carried digits Instructional vocabula explain your method give an example of	ake (away), minus leav two less ten less one? how much less is? d gn, is the same as tens l s explain how you got show how you show	e hundred less how lifference between boundary, your answer w your working	Basic to subject specific (Beck's Tiers): subtract, subtraction, take (away), minus, decrease leave, how many are left/left over? difference between half, halve how many more/fewer is than? how much more/less is? equals, sign, is the same as tens boundary, hundreds boundary, inverse exchange, carried digits Instructional vocabulary: calculate, work out, solve investigate, question answer check							
NC 2014	Add and subtract numb			Add and subtract numbers with up to 4 digits using the formal written							
	written methods of colu			method of columnar addition and subtraction where appropriate. Solve							
	significant digit is always dealt with first to establish if the			addition and subtraction two-step problems in contexts, deciding which							
D I	exchange is needed. Subtract mentally pairs of	Start with least significant	Calumnan auhtmati	operations and methods to use and why. Subtract mentally pairs of Columnar subtraction Representing problems							
Developing Conceptual/ Procedural Understanding	multiples of 100 using known facts 600 - 200 = 400 because 6 - 2 = 4 Remodelling strategy (keeping the difference the same) 502 - 198 504 - 200 = 304	digit -decomposition 81 = 80 1 - 57 50 7 81 = 70 11 - 57 50 7 24 20 - 4	Columnar subtraction 1	multiples of 1000 using known facts 6000 - 2000= 4000 because 6 - 2 = 4 Remodelling strategy (keeping the difference the same) 3548 - 1998 3550 - 2000 = 1550	2344 -187 2 ¹ 3.1 23/44 -187 2157 6467 - 2684	Check the answer to the following calculations using the inverse. Show all your working.					



5	6
Basic to subject specific (Beck's Tiers):	Basic to subject specific (Beck's Tiers):
subtract, subtraction, take (away), minus, leave, how many are	subtract, subtraction, take (away), minus, decrease leave, how many are
left/left over? ten less one hundred less how many fewer is	left/left over? difference between half, halve how many more/fewer is
than? how much less is? difference between half, halve =	than? how much more/less is? equals, sign, is the same as tens
equals, sign, is the same as tens boundary, hundreds boundary,	boundary, hundreds boundary, units boundary, tenths boundary, inverse
inverse,	
units boundary, tenths boundary	Instructional vocabulary:
	subtract, subtraction, take (away), minus, leave, how many are left/left over? ten less one hundred less how many fewer is than? how much less is? difference between half, halve = equals, sign, is the same as tens boundary, hundreds boundary, inverse,

Vocabulary Appendix 2b: Vocabulary book	split, separate	ange change,	change over adjusting, adjust	put, place arrange, rearrange change, change over adjusting, adjust split, separate, carry on, continue, repeat what comes next? predict describe the pattern, describe the rule, find, find all, find different investigate			
NC 2014	subtraction).	vritten methoo action multi-s	ds (columnar addition and step problems in contexts,	Solve problems involving addition, subtraction, multiplication and division.			
Developing Conceptual/ Procedural Understanding	Columnar subtraction 5 2 3 4 4 - 1187 5 1157 Include calculations with 'empty columns'. 324.9 - 7.25 11 8 1 324.90 - 7.25 317.65	at 28,169 feet above 27,960 feet above mentally.	s the third highest mountain in the world ove sea level. Lhotse is the fourth highest at a sea level. Find the difference in heights expected by the sea level of the difference in heights expected by the same to make the numbers the with.	Columnar subtraction Include calculations with up to 3 'empty columns'. 128.7 - 3.014 6911 128.700 - 3.014 125.686	Katie v 1900 = subtra	senting problems was given the calculation below 47326 – = She said "I will just take off 2000 then ct another 100 so my answer is 45126." Is rrect? Would you use her method? Explain answer There are 2.600 ladden in a box. William and My lake 600 ladden seath. How many ladded does Adam gar? 750 750 2,400 450 ?	
Known facts			on facts to 10 and 1, e.g. 3.3+ 3 + 0.67 = 1 so 1 - 0.67 = 0.33	All the KS2 required facts			
Essential knowledge	Fluency of 2 digit - 2 digit including Subtract multiples of 10, with decimals 100, 1000 and tenths		Fluency of 2 digit - 2 digit including with decimals		Subtract multiples of 10, 100, 1000, tenths and hundredths		
	Partition second number to subtract		Use number facts, bridging and place value	Partition second number to subtract		Use number facts, bridging and place value	
	Adjust numbers to subtract		Difference between	Adjust numbers to subtract Diff		Difference between	