

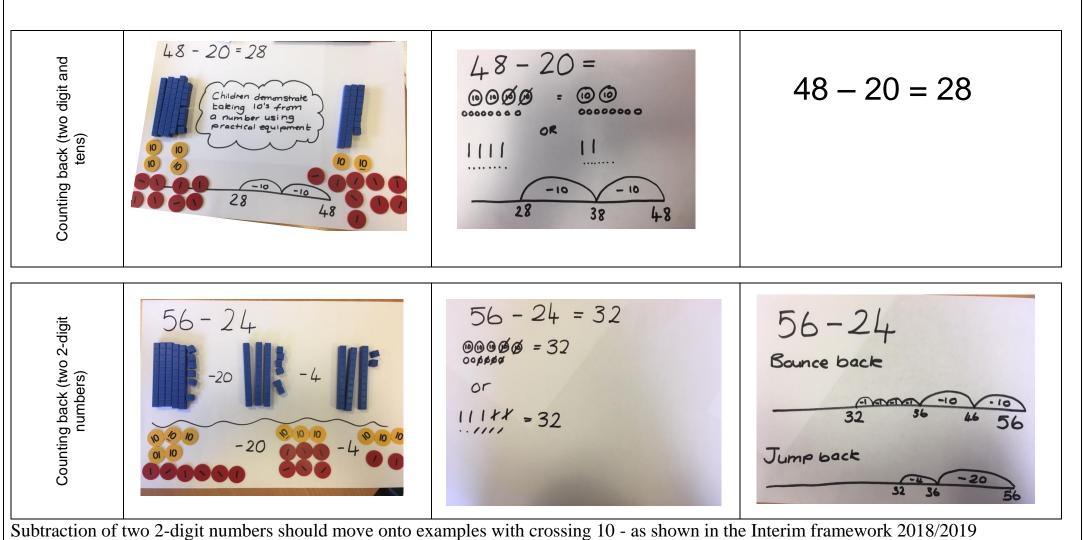
				TRUS			
	Year 1		C	Calculating strand: SUBTRACTION			
Vocabulary					Key Questions		
Subtraction, subtract, take away, distance between, difference betwee than, minus, less than, equals = same as, most, least, pattern, odd, even,					How many more to make? How many more is than? How much more is? How many are left/left over? How many have gone? One less, two less, ten less How many fewer is than? How much less is? What can you see here? Is this true or false?		
				Example (	Questions		
Basic				Advancing		Deep	
Illustrate the problem Identify pa Name the number bonds Modify the			Identify patterns Modify the numb	r patterns in the number sentencesIthe numbers to change the answersse the numbers into a number sentence.ECC		Prove how you know the answer is Investigate how many different ways you can makeusing subtraction. Explain you method Create two subtraction number sentences from the given numbers.	
	Objective	Concrete			Pictorial	Abstract	
Year 1	Counting back	Use physical objects, counters, cubes etc. to show how objects can be taken away. 4-2=2 Make the larger number in your subtraction. Move the beads along your bead string as you count backwards in ones.		Cross out drawn objects to show what has been taken away. 4-2=2 Count back on a number line or number track 9 10 11 12 13 14 15		4 – 2 = 2 Put 13 in your head, count back 4. What number are you at? Use your fingers to help.	
	Coun	13-4=9		back the sm	bigger number and count naller number, showing the ne number line.		
	Find the difference	Compare amounts and objects to find the difference.		Lisa is 13 Find the Lisa Sister	tind the difference. 13 22 34 56 78 910 10 10 10 10 10 12 12 12 10 10 10 10 10 10 10 10 10 10	Hannah has 8 goldfish. Helen has 3 goldfish. Find the difference between the <u>number</u> of goldfish the girls have.	



Year 2	Calculating strand: SUBTRACTION					
Vocabular	у		Key Questions			
Subtraction, subtract, take away, difference, o ones, partition, near multiple of 10, tens bound ten less one hundred less, more, one more, tw more	ary, Less than, one less, two less	<ul> <li>How many more to make? How many more is than? How much more is? How many are left/left over? How many fewer is than? How much less is? Is this true or false?</li> <li>If I know that 7 + 2 = 9, what else do I know? (e.g. 2 + 7 = 9; 9 - 7 = 2; 9 - 2 = 7; 90 - 20 = 70 etc). What do you notice? What patterns can you see?</li> </ul>				
	<u>Example</u>	Questions				
Basic	A	Advancing	Deep			
Useand in a number sentence.	Compare which method you p	prefer to use	Prove how you know the answer is			
Illustrate the problem	Identify patterns in the number	er sentences	<b>Investigate</b> how many different ways you can makeusing subtraction.			
Name the number bonds	Modify the numbers to chang	e the answer				
Memorise the subtraction facts to … Match the answers to the number problems	Organise the numbers into a	number sentence.	Explain you method Create two subtraction number sentences from the given numbers.			
Tell a friend how you solved the problem						

Counting back
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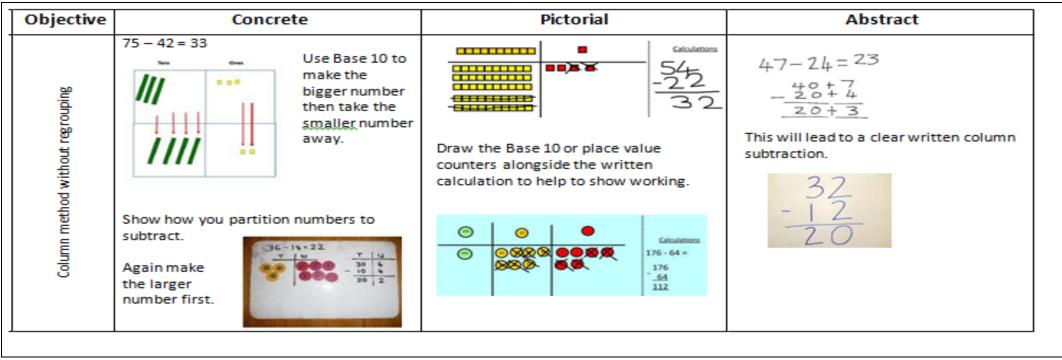




Only move children on to using the column methods once they have become secure in the use of number lines.

Ensure you follow the CPA approach to support this new strategy.







Yea	r 3		Calcu	trand: SUBTRACTION			
Vocabulary					Key Questions		
Hundreds, tens, ones, estimate, partition, recombine, difference, o multiple of 10 and 100, inverse, rounding, column subtraction, exch and Y2						ide each other: What's the same? What's different? thod; can you see where it is in the expanded method /	
				Example (	Questions		
	Basic				Advancing		Deep
Describe your method of subtraction to a partner.       Ex         Tell a friend how you solved the problem       Es         Cc       problem			Explain your methodCEstimate the answerCCompare two written methods and explain which one is yourC		Creat Creat used.	e you are correct te a word problem te a help sheet to explain the written method that you have stigate the difference in journey time/distance.	
	Objective	Concrete			Pictorial		Abstract
Year 3 onwards	Column method with regrouping	Use Base 10 to start with bef on to place value counters. So one exchange before moving subtractions with 2 exchange Make the larger number with value counters Start with the ones, can I tak from 4 easily? I need to exch my tens for 10 ones. Now I can subtract my ones.	tart with g onto es. h the place Cataletices 234 - 88 ke away 8	Draw the c grid and sh by crossing clearly sho When conf own way to exchange/ Just writin shows that method an exchange/	tounters onto a place value ow what you have taken g the counters out as well wing the exchanges you r fident, children can find to o record the regrouping. g the numbers as shown is t the child understands the or regroup.	away as make. heir here	8 36 - 254 * 582         300         200       50         300       80         20       80         20       80         20       80         20       80         20       80         20       80         20       80         20       80         20       80         20       80     <



Year 4			Calculating strand: SUBTRACTION			
Vocabulary				Key Questions		
how many more to boundary, thousa	n, more, plus, increase, sum, total, altog o make? how much more? ones boundar inds boundary, tenths boundary, hundre r? Equals sign, is the same as.	ry, tens b	oundary, hundreds	What's the same? What's different? Can you convince me? How do you know?		
				ancing	Deep	
Use a different addition method to solve the calculation.Explain yDescribe your method of subtraction to a partner.EstimateTell a friend how you solved the problemComparepreferred			e your calculation as a written method. your method e the answer re two written methods and <b>explain</b> which one is your d method. our written method to solve.		Prove you are correct         Create a word problem         Create a help sheet to explain the written method that you have used.         Investigate the difference between journey time/distance.	
Objective	Concrete		P	ictorial	Abstract	
Column method with regrouping	Now I can take away 8 tens and complete my subtraction.	234 88 234 88 24 24 146 nethod side ers			This will lead to an understanding of subtracting any number including decimals. $-\frac{2}{2}  \begin{array}{r} 6  \begin{array}{r} 12  1 \\ \hline 2  6  \begin{array}{r} 5  0 \\ \hline 2  3  6  \begin{array}{r} 5 \\ \hline \end{array}  \begin{array}{r} 5 \\ \hline \end{array}  \begin{array}{r} 12  1 \\ \hline \end{array}$	



Year 5	Calculating strand: SUBTRACTION						
	Vocabulary			Key Questions			
Tens of thousand Also see previous	•		What do you notice? What's the same? What's different? Can you convince me? How do you know?				
		Example	Questions				
	Basic		ancing	Deep			
List all the different	ction to find how many more… vocabulary for subtraction. you have used to find the difference. d repeat it.	Predict if x - y would total an o Estimate the answer to, wor estimation. Explain your method. Organise your calculation		<b>Create</b> your own word problem. <b>Design</b> your own menu/bedroom purchasing food/objects with a given amount to spend working out how much spare money will be left over. <b>Investigate</b> differences between distances travelled on a map.			
Objective	Concrete		Pictorial	Abstract			
Column method with regrouping	Now I can take away 8 tens and complete my subtraction.	ations 234 88 234 88 146 nethod side vers		Solve these problems. Remember, its always a good idea to estimate your answer first.       Write in vertical column, aligning the decimal points.         136.04 + 102.27       136.04         +102.27       238.31         Add each column, starting on the right. Regrouping digits where needed.       L         2.37 - 0.031       ● 2.370         -0.031       ●			

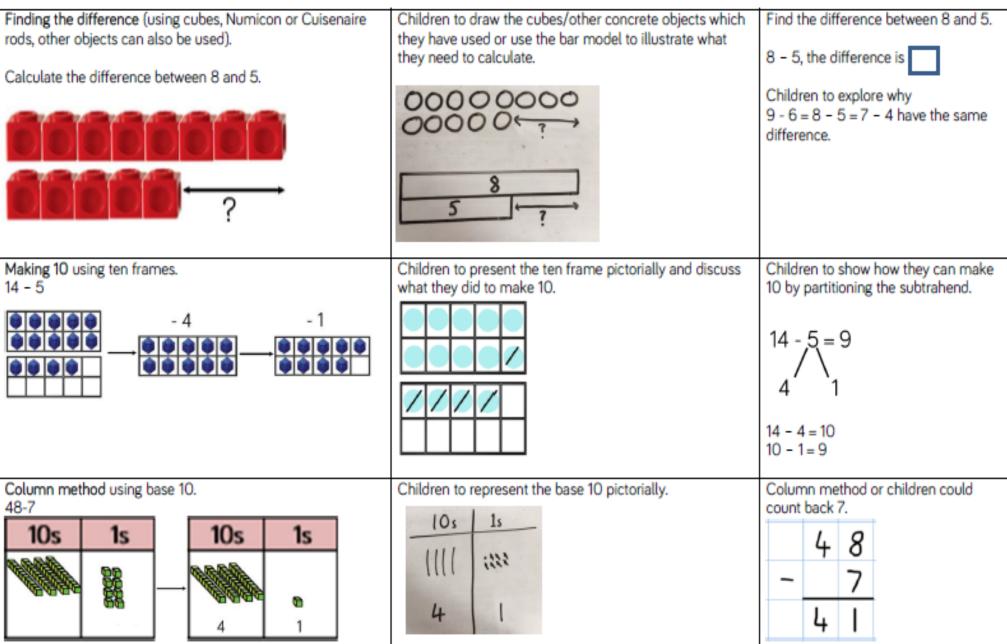


Year 6		Co	alculating strand: SUBTRAC	FION		
Vocabulary			Key Questions			
See previous yea	rs		What do you notice? What's the same? What's d Can you convince me? How do you know?	What's the same? What's different? Can you convince me?		
			Example Questions			
Basic			Advancing	Deep		
List all the different	tion to find how many more vocabulary for subtraction. you have used to find the difference. I repeat it.	Predict if x - y would total an odd or an even number. Estimate the answer to, work out the answer to check your estimation. Explain your method. Organise your calculation		Create your own word problem. Design your own menu/bedroom purchasing food/objects with a given amount to spend working out how much spare money will be left over. Investigate differences between distances travelled on a map.		
Objective	Concrete	Pictorial		Abstract		
Column method with regrouping	Now I can take away 8 tens and complete my subtraction.	234 88 146 method gside bers				



## Further Subtraction Support.

Concrete	Pictorial	Abstract
Physically taking away and removing objects from a whole (ten frames, Numicon, cubes and other items such as beanbags could be used). 4 - 3 = 1	Children to draw the concrete resources they are using and cross out the correct amount. The bar model can also be used.	4-3 = -3 $4-3 = -3$ $4 - 3$ $4 - 3$ $7$ $4 - 3$ $7$ $7 - 3$
Counting back (using number lines or number tracks) children start with 6 and count back 2. 6 - 2 = 4 1 2 3 4 5 6 7 8 9 10	Children to represent what they see pictorially e.g.	Children to represent the calculation on a number line or number track and show their jumps. Encourage children to use an empty number line



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