

Primary Calculation Policy

Year 4 Subtraction

	Mental Strategies	Concrete	Pictorial	Abstract	Vocabulary	Models, Images and resources																																																			
Year 4	Practise mental methods with increasingly large numbers to aid fluency Subtract any pair of two-digit and three-digit numbers, including crossing the 10 and 100 boundary, e.g. 58 - 23 Count on and back in 10s from any number Subtract a near multiple of 10, e.g. 84 - 29 MS3: Round & Adjust 84 - 29 = 55 84 - 30 + 1 54 + 1 = 55 Understand subtraction as inverse of addition Children know the vocabulary below: Minuend minus subtrahend equals the difference <table><tr><td></td><td>£</td><td>5</td><td>8</td><td>← minuend</td></tr><tr><td>-</td><td>£</td><td>1</td><td>3</td><td>← subtrahend</td></tr><tr><td></td><td></td><td>4</td><td>5</td><td>← difference</td></tr></table>		£	5	8	← minuend	-	£	1	3	← subtrahend			4	5	← difference	<u>Subtracting 4 digit numbers crossing tens and hundreds</u> See Y3 guidance for 3 digit numbers – it is the same principle. <u>Subtracting with money up to 4 digits using decimals</u> Use with real money to show how to find differences	<u>Subtracting 4 digit numbers crossing tens and hundreds</u> See Y3 guidance for 3 digit numbers – it is the same principle. <u>Subtracting with money up to 4 digits using decimals</u> Children can draw the coins and notes and show the exchange.	<u>Subtracting 4 digit numbers crossing tens and hundreds</u> See Y3 guidance for 3 digit numbers – it is the same principle. <u>Subtracting with money up to 4 digits using decimals</u> <table><tr><td></td><td>£</td><td>5</td><td>7</td><td>8</td><td>1</td><td>0</td><td>9</td><td>1</td><td>2</td></tr><tr><td>-</td><td>£</td><td>1</td><td>3</td><td>1</td><td>7</td><td>9</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>4</td><td>4</td><td>2</td><td>3</td><td></td><td></td><td></td><td></td></tr></table> £8.48 £8.50 £9.00 £10.00 + 2p + 50p + £1 £1.52 <table><tr><td colspan="3">£20</td></tr><tr><td>£8.95</td><td>£3.50</td><td>?</td></tr></table>		£	5	7	8	1	0	9	1	2	-	£	1	3	1	7	9						4	4	2	3					£20			£8.95	£3.50	?	Subtraction Partition into hundreds, tens and ones Empty number line Count on Carry back First Then Now Subtrahend Minuend Difference Find the difference Decrease / reduced by	100 square Number lines Number tracks Bead strings (for children) Bead bar Tens Frame Numicon Place Value Disks Cuisenaire Base hundreds tens and ones Arrow Cards
	£	5	8	← minuend																																																					
-	£	1	3	← subtrahend																																																					
		4	5	← difference																																																					
	£	5	7	8	1	0	9	1	2																																																
-	£	1	3	1	7	9																																																			
		4	4	2	3																																																				
£20																																																									
£8.95	£3.50	?																																																							
		Subtract numbers with up to 4 digits using efficient written column method with increasingly large numbers to aid fluency. Estimate and use inverse operations to check answers Solve subtraction of two-step problems in contexts, deciding which operations and methods to use and why. See Y3 missing subtrahend and addend problems.																																																							

	Useful IWB links for manipulatives	https://www.coolmath4kids.com/manipulatives/base-ten-blocks https://mathsbot.com/manipulatives/placeValueCounters https://mathsbot.com/manipulatives/bar https://classroomsecrets.co.uk/free-year-1-part-whole-model-iwb-addition-and-subtraction-activity/ https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Ten-Frame/ http://www.ictgames.com/mobilePage/tenFrame/index.html
--	------------------------------------	--