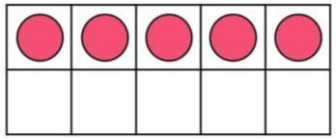
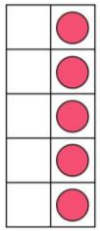
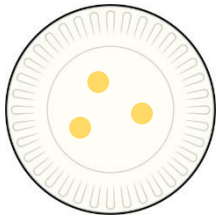
St. Paul's CE Primary School

Calculation Policy - Subtraction

Subtraction - EYFS		
Objectives Take away. One less. Subitise (to 5). Partition.	**Key Vocab** subtract takeaway fewer one less smaller number line	**Example Questions** What do you notice? Which has fewer? What can you see? Can you show me? How many are there now? What is the number before?
Concrete Representation Songs, stories and nursery rhymes and children to physically take away objects.     	**Pictorial Representation** Use pictures, songs and mark making to take away.   	**Abstract Representation**

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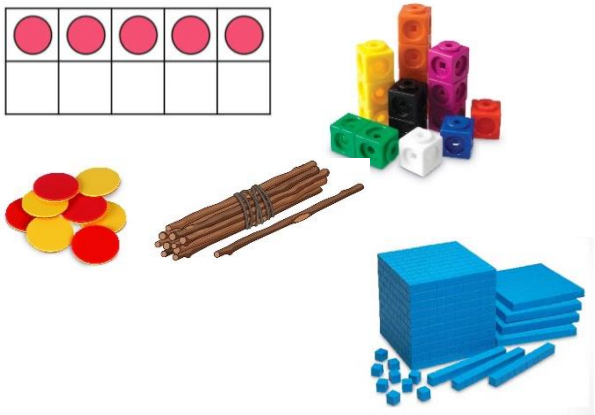
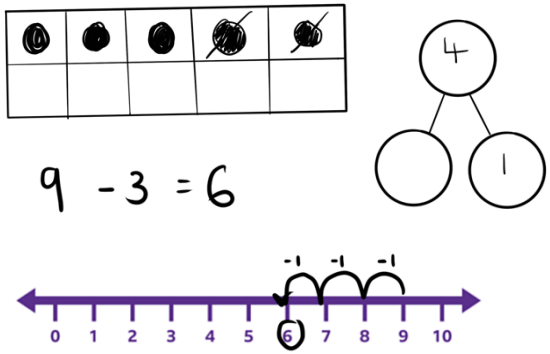
Calculation Policy - Subtraction

Subtraction KS1 (Year 1 and 2)		
Objectives Subtract within 20. Number bonds to 10. Subtract within 100 (Y2). Subtract two 2-digit numbers. Subtract multiples of 10.	**Key Vocab** subtract takeaway difference	**Example Questions** 7 - 2 = 5 = 8 - __ __ - 4 = 6 8 - __ = 2 What can you partition ___ into?
Concrete Representation Taking away objects using cubes, base 10, counters and sticks. 	**Pictorial Representation** Use number lines to count back and part whole models to subtract. Children to cross out counters on a tens frame. 	**Abstract Representation** Children partition the number to make the subtraction simpler. Children to cross out images and marks making of tens and ones. 

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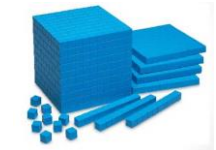
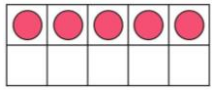
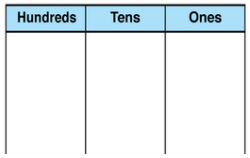
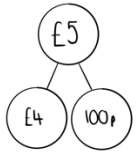
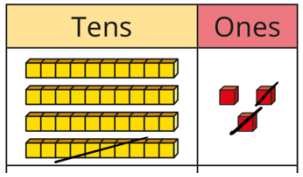
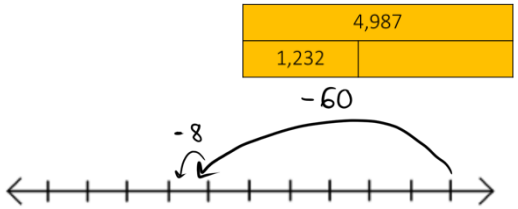
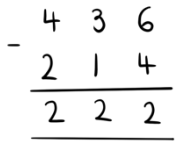
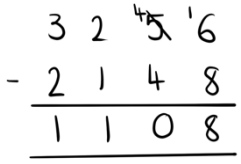
Calculation Policy - Subtraction

Subtraction Lower KS2 (Year 3 + 4)		
Objectives Subtract 1s, 10s and 100s from a 3-digit number. Subtract 2 numbers across 100. Subtract 1s, 10s and 100s from a 4-digit number. Subtract up to two 4-digit numbers. Subtract decimal numbers in the context of money.	**Key Vocab** exchange carrying addition altogether column method fewer difference less than	**Example Questions** 734 - 20 = 4,970 - 3821 = _____ - 3821 = 8791
Concrete Representation Continue using counters, tens frames and tens and ones to subtract and remove objects.    	**Pictorial Representation** Children to count back using a number line, partitioning tens and one. Children to use a place value grid to cross out counters.   	**Abstract Representation** Children to use a formal column method to subtract, crossing out numbers where exchanges are required.  

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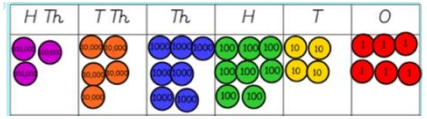
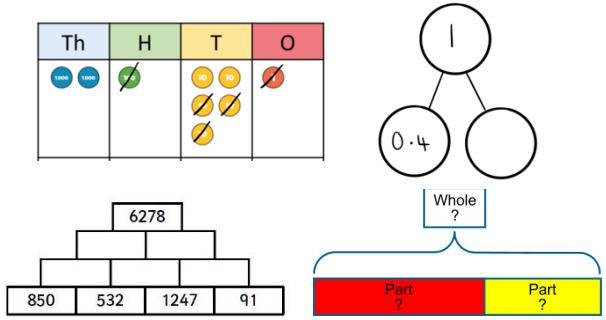
Calculation Policy - Subtraction

Subtraction Upper KS2 (Year 5 + 6)		
Objectives Subtract numbers with more than 4-digits. Subtract decimals with up to 2 decimals places. Complements to 1. Subtract integers up to 10 million. Subtract decimals with up to 3 decimal places. Negative numbers.	**Key Vocab** exchange inverse column subtraction place value subtract minus takeaway fewer difference less than	**Example Questions** 23,245 - 14,323 = £340,972 + £6,009 - £36,000 = 40,720g - 6,872g =
Concrete Representation Use of place value chart with counters to partition and subtract numbers.   	**Pictorial Representation** Children to use part whole models to find the missing numbers. Children can use place value grids and counters to subtract if needed.  	**Abstract Representation** Children to add using a column method and exchanges are crossed out and placed next to the number.