

Overview of mathematical strategies taught in Chaddlewood Primary School

Reviewed October 2023



Division	Multiplication	Subtraction	Addition
Practical experience of 'sharing'	Adding groups by using equipment	Using songs and number rhymes	Using Songs and number rhymes
Counting on in 'groups'		Subtraction using pictures	Combining sets of objects
		Subtraction using a number line	
		Subtraction using a number line	
		Subtraction by finding the difference	
Counting on in 'groups'	Adding groups by using equipment	Subtraction using a number line	Using a number line
'Groups'	Adding groups	Subtraction by finding the difference	Introducing a hundred square
'Sharing'	Representing multiplication with arrays	Introducing a hundred square	Introducing rekenrek
Hundred squares	Mathematical symbols	Introducing rekenrek	Introducing partitioning (2 digit numbers)
Fractions	Elements of multiplication	Introducing partitioning (2 digit numbers)	More complex addition using a hundred square
Mathematical symbols	Hundred squares	More complex subtraction using a hundred square	Extension of vocabulary associated with addition
Elements of division	Elements of multiplication	Introducing partitioning (2 digit numbers)	Using the hundred square to combine 2 digit numbers
More grouping using bead strings	Hundred squares	More complex subtraction using a hundred square	Marked number lines
Using fingers	Bead strings	Using a hundred square	Unmarked number lines
Using marked number lines	Number lines	Subtraction using place value	Breaching ten
Fractions	Times table knowledge	Subtraction using a number line	
		Noticing shortcuts on number lines	
Using blank number lines	Grid method	Counting on using a blank number line	Breaching ten
Using number lines to find remainders (1)	Times table knowledge	Towards a formal method without 'exchanging'	Introduction of more formal methods (1)
Fractions	Scaling	Towards a formal method with 'exchanging'	Introduction of more formal methods (2)
Scaling	More formal methods	Formal written methods (1)	Addition through decomposition
		Formal written methods (2)	
		Formal written methods (3)	
Scaling	Scaling	Formal written methods (2)	Condensed formal methods (1)
Interpreting remainders	More formal methods	Formal written methods (3)	Condensed formal methods (2)
	Extended grid method	Formal written methods (4)	
Fractions	Short multiplication		
Division by 10, 100	Associative law		
The 'Bus Shelter' method (1)	Times table knowledge		
The 'Bus Shelter' method (2)	Multiplication by 10, 100, and 1000	Formal written methods (4)	Concise method for adding decimals
The 'Bus Shelter' method (1)	Long multiplication		Mastery of formal methods for addition
The 'Bus Shelter' method (2)	Shorter multiplication methods		Rounding as a means of checking
Division by 10, 100 and 1000			Brackets
Fractions			Multi-step problems / which operation to use / accuracy
Long division			
Long division	Shorter multiplication methods	Multi-step problems / which operation to use / accuracy	Multi-step problems / which operation to use / accuracy
Multi-step problems / which operation to use / accuracy	Formal written multiplication method, with decimals	Decimal numbers	Algebra
Division of fractions ad mixed numbers	Multi-step problems / which operation to use / accuracy	Algebra	Extended algebra
	Multiplication of fractions and mixed numbers	Extended algebra	