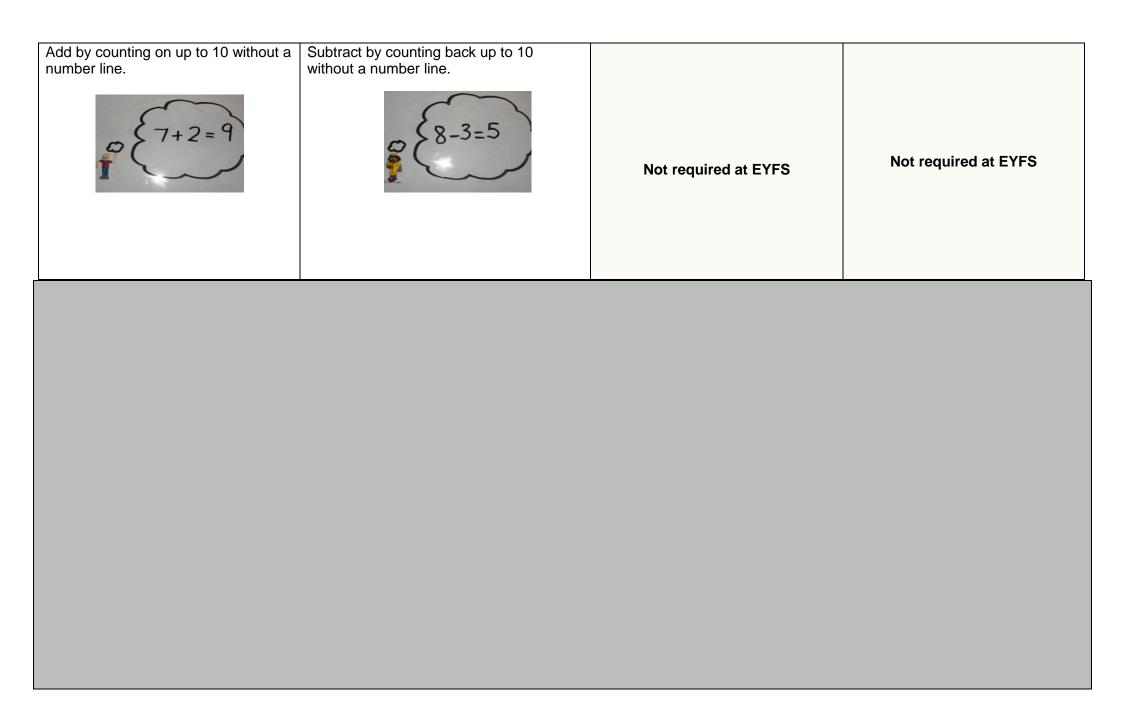


Progression of Written Calculation Strategies – Maths Curriculum 2014

EYFS			
Expected ELG			
Addition	Subtraction	Multiplication	Division
Combine two or more sets of objects up to 10. + + 3	Take away objects from a set up to 10. $6-2=$	Not required at EYFS	Not required at EYFS
Add using a number line up to 10 and beginning to record. 2 + 3 = 5	Subtract using a number line up to 10 and beginning to record.	Not required at EYFS	Not required at EYFS



Year 1 (expected)			
Addition	Subtraction	Multiplication	Division
Add a single digit to a 2-digit number up to 20 with a number line.	Subtract a single digit from a 2-digit number up to 20 with a number line.	Use arrays up to 20.	Use concrete objects to divide up to 20.
Number Line 0 – 30 M. Number Line 0 – 30 M. Number Line 10 – 30 M.	11 - 6 = 5 Number Line 0 - 2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	3 x 2 = 6	10÷2 5
Add 2 digit number to a 2 digit number using place value 10s and 1s. $ \begin{array}{cccccccccccccccccccccccccccccccccc$	Subtract 2 digit number to a 2 digit number using place value 10s and 1s. $ \begin{array}{cccccccccccccccccccccccccccccccccc$		

Year 2 (expected)			
Addition	Subtraction	Multiplication	Division
Add two 2-digit numbers using column method with no 'carrying'.	Subtract two 2-digit numbers with no 'exchanging'.	Using an array by 2, 5 and 10.	Division by grouping
+ 25	56 - 32 2 4	3 x 2 = 6	grouping 16 ÷ 4 = 4
		2 digit by 1 digit column multiplication.	

Year 3 (expected)			
Addition	Subtraction	Multiplication	Division
Column addition of 3 digit by 2 digit numbers.	Column subtraction of 3 digit by 2 digit numbers,.	Expanded column and short column method TU x U using x2, x3, x4, x5, x6 and x8.	Short division method dividing by 2,3,4,5,6, 7 and 8 with carrying.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	78/2 56/3/4 - 7 - 69 - 565	25 x 6 130 150 150	7/2284

Year 4 (expected)			
Addition	Subtraction	Multiplication	Division
Column addition of decimal numbers.	Column subtraction of decimal numbers. 23'23'4 6 · 3 - 2 5 7 2 · 2 - 0 7 7 4 · 1	Multiply 2 and 3 digits by a single digit. 897 × 5382 ** ** ** ** ** ** ** ** ** ** ** ** *	Short division by any single digit with remainders.

Year 5 (expected)				
Addition	Subtraction	Multiplication	Division	
Column addition up to 3 d.p. 124.145 +11,7.253	Column subtraction up to 3 d.p. 4 2 . 3 4 3 - 3 1 . 2 3 2	Multiply a 4-digit number by a 2-digit number. 6425 x 34 25700	Short division – 3-digit by a single digit with answer as a remainder.	
241.398		19,2750 218450 Multiplying fractions.		
		$\frac{6}{8} \times \frac{2}{3} = \frac{12}{24} = \frac{1}{2}$		

Year 6 (expected)			
Addition	Subtraction	Multiplication	Division
	4 digits by 4 digits using exchanging.	Multiply 4 digits by 1 digit with a decimal number.	Divide a 5 digit number by a 2 digit number with a decimal.
$\frac{3}{4} + \frac{1}{3} (x)$ $\frac{9}{12} + \frac{4}{12} = \frac{13}{12} \cdot \frac{1}{12}$ $\frac{13}{5} + \frac{21}{10}$ $\frac{16}{10} + \frac{21}{10} = \frac{37}{10}$ $\frac{37}{10} = \frac{37}{10}$	34°8'06 - 36 59 08 4 7	18.39 × 5 91.95	14 7.2.2814 14x1=14 14x2=28 14x1=28 14x1=28 14x1=36 16x5=30