



St John's Primary School

Calculation Policy Overview



	Addition	Subtraction	Multiplication	Division
Year 1	Count on in 1s and 10s from any number to 100. Add 10 to any 2 digit number. Know number bonds to 20.	Subtract a 1 or 2 digit number from a 2 digit number up to 20. Quickly recall subtraction facts up to 10.	Counting on and back in 1s, 2s, 5s and 10s Know double numbers to double 10. Use concrete objects to find answers to '3 lots of 4'.	Count back in 1s, 2s, and 10s. Find half of even numbers to 12. Find half of a quantity using sharing.
Year 2	Add together two 2 digit numbers up to 100. Add 10 and multiples of 10 to any 1 or 2 digit number. Add near multiples of 10. Add together 3 one digit numbers. Quickly recall pairs of numbers up to 20.	Subtract 10 from a 2 digit number. Subtract near multiples of 10. Quickly recall subtraction facts up to 20 Find the difference by counting up on a number line. Subtract a two digit number from a two digit number.	Counting on in 2s, 3s, 5s and 10s. Know double numbers to double 20. Double 2 digit numbers less than 50 (not bridging 10). Solve multiplication problems using arrays. Quickly recall 2, 5 and 10 times table facts.	Count back in 1s, 2s, 3s, 5s and 10s. Find half of numbers up to 40. Know half of multiples of 10 to 100. Use concrete objects to solve division problems. Find half and a quarter of a quantity. Recall half of even numbers up to 24. Know x2, x5, x10 division facts. Begin to know x3 division facts.
Year 3	Add multiples of 10 and 100. Add near multiples of 10 Know number bonds to the next 10 or 100. Expanded column addition Column addition.	Take away multiples of 10 and 100. Subtract by counting back in 100s, 10s and 1s. Expanded column subtraction Column subtraction Subtract by the finding the difference. Know subtraction facts to 100. Calculate change by counting up to find the difference. Subtract 1, 2 or 3 digits from a 3 digit number.	Count on in steps of 2s, 3s, 4s, 5s, 8s, 10s, 50s and 100s. Use doubling to multiply any number by 2. Quickly recall 2, 3, 4, 5, 8 and 10 times table facts. Use the grid method to multiply 2 digit numbers by 1 digit numbers.	Count back in steps of 2, 3, 4, 5, 8, 10, 50 or 100. Find half of even numbers to 100. Use halving as a strategy to divide by 2. Divide multiples of 10 by 1 digit numbers. Know half of multiples of 10 to 200. Quickly recall division facts for the 2, 3, 4, 5, 8 and 10 times tables.
Year 4	Count in 1000s Add 2 digit numbers to 2, 3 and 4 digit numbers. Add 3 digit numbers and money. Know number bonds to 100. Know number bonds to £1 Know pairs of decimals numbers which total 1. Column addition	Take away multiples of 10, 100, 1000, £1, 10p or 0.1 Count back in sets of 10, 100 or 1000. Subtract near multiples of 10, 100, 1000 or £1 Expanded column subtraction. Compact column subtraction. Calculate change up to £100 by finding the difference.	Count on in steps of 2s, 3s, 4s, 5s, 6s, 7s, 8s, 9s, 10s, 11s 12s, 25s, 50s, 100s and 1000s. Double numbers to 100. Double amounts of money. Use doubling to solve problems multiplying by 4 or 8. Multiply 2 digit numbers by 1 digit numbers Multiply multiples of 100 and 1000 by 1 digit numbers. Use the grid method to multiply 3 digit numbers by 1 digit numbers. Know by heart all times table facts.	Count back in steps of 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 25, 50, 100 and 1000. Find half of even numbers to 200. Halve amounts of money. Use halving as a strategy to divide by 2, 4 and 8. Division by 'chunking'. Know all division facts up to the 12 times table. Divide 2 and 3 digit numbers by 1 digit numbers.
Year 5	Count in 0.1s, 0.01s. Add decimals Add near multiples of 1. Calculate change by counting up to find the difference. Expanded column addition for numbers up to 2 decimal places.	Take away multiples of 10 or 100. Subtract near multiples of 1, 10, 100, 1000, 1000 or £1. Find the difference by counting up, including decimals. Column subtraction.	Double amounts of money. Use doubling and halving to multiply by 2, 4, 8, 5 and 20. Multiply numbers by 10, 100 and 1000. Multiply 2 and 3 digit numbers by 1 digit numbers. Multiply a decimal number by a 1 digit number. Multiply near multiples by rounding. Short multiplication to multiply 2, 3 and 4 digit numbers by 1 digit numbers. Long multiplication to multiply 2, 3, and 4 digit numbers by 2 digit numbers. Grid multiplication to multiply decimals.	Halve amounts of money. Use doubling and halving as a strategy in dividing by 2, 4, 8, 5 and 20. Divide numbers by 10, 100 and 1000. Division by chunking. Recall all square roots. Use short division to divide by 1 digit numbers. Find fractions of an amount.
Year 6	Count in 0.1s, 0.01s, 0.001s. Add near multiples of 1. Column addition for any number. Add unlike fractions, including mixed numbers.		Double decimal numbers. Short multiplication to multiply 2, 3 and 4 digit numbers by 1 digit numbers. Long multiplication to multiply 2, 3 or 4 digit numbers by 2 digit numbers. Short multiplication to multiply decimals. Multiply simple pairs of proper fractions.	Halve decimal numbers. Use chunking to divide larger numbers. Know tests for divisibility for numbers divisible by 2, 3, 4, 5, 9, 10 and 25. Divide decimal numbers by 1 digit numbers. Divide proper fractions by whole numbers. Use short division to divide by 1 digit numbers. Use long division to divide by 2 digit numbers.