

Mathematics – Programme of Study			
KS2	Number	Calculation	Fractions
	• Read and write numbers up to 100 in numerals and in words • Identify, represent and estimate numbers using different representations • Count from 0 in multiples of 4, 8, 50 and 100. • Recognise the place value of each digit in a three digit number • Compare and order numbers up to 1000 • Solve number problems and practical problems involving representations of place value and multiples • Read Roman numerals to 100 (I to C) • Find 10 or 100 more or less than a given number • Count in multiples of 6, 7, 9, 25 and 1000 • Recognise the place value of each digit in a 4 digit number • Compare and order numbers beyond 1000 • Solving problems with increasingly large positive numbers	• Use columnar addition to add 3 digit numbers • Add numbers mentally, incl 3 digit number and ones • Subtract numbers mentally, incl 3 digit number and ones • Subtract numbers with up to 3 digits using columnar subtraction • Solve problems, including missing numbers problems, using number facts, place value and more complex addition and subtraction. • Recall and use the multiplication and division facts for the 3, 4 and 8 multiplication tables • Use mental methods for multiplication, progressing to formal written methods. • Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects • Add a four-digit number and tens, and hundreds • Estimate addition calculations • Subtract tens and hundreds from a 3 digit number • Estimate and use inverse operations to check answers to a calculation • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. • Recall multiplication and division facts for multiplication tables up to 12x12	• Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 • Recognise, find and write fractions of a discrete set of objects: units fractions • Convert between improper and proper fractions • Recognise and show, using diagrams, equivalent fractions with small denominators • Add and subtract fractions with the same denominator within one whole • Subtraction of fractions from whole numbers • Solve problems using fractions • Solve simple measure and money problems involving fractions

		• Recognise and use factor pairs and commutativity in mental calculations • Solve problems involving multiplying and adding, including using distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems.	
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