

Mathematics Learning Continuum for Number - Key Stage 2

Y3	Y4	Y5	Y6
<ul style="list-style-type: none"> Count from 0 in multiples of 4, 8, 50 and 100 Find 10 or 100 more or less than a given number Recognise and use the place value of each digit in a 3-digit number Compare and order numbers up to 1000 Identify, represent and estimate numbers using different representations Read and write numbers up to 1000 in numerals and in words Solve number and practical problems Mentally add and subtract numbers Use formal written column addition and subtraction with numbers with up to 3 digits Solve addition and subtraction problems Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables Write and calculate mathematical statements for multiplication and division, including 2-digit times 1-digit Solve problems involving multiplication and division Understand tenths Recognise, find and write fractions of a discrete set of objects Recognise and use fractions as numbers Recognise and show equivalent fractions with small denominators 	<ul style="list-style-type: none"> Count in multiples of 6, 7, 9, 25 and 1000 Count backwards through zero to include negative numbers Understand place value of 4 digit numbers Read Roman numerals to 100 Use formal column addition and subtraction with numbers with up to 4 digits and check answers Solve 2-step addition and subtraction problems Recall multiplication and division facts for multiplication tables up to 12 x 12 Multiply and divide mentally Use a formal written method to multiply 2-digit and 3-digit numbers by a 1-digit number Solve problems involving multiplying and adding Recognise and show, using diagrams, families of common equivalent fractions Add and subtract fractions with the same denominator Understand hundredths Understand and use decimal place value to 2 decimal places Solve simple measure and money problems involving fractions and decimals to 2 decimal places Solve problems with fractions 	<ul style="list-style-type: none"> Understand and use place value to at least 1,000,000 Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 Use and interpret negative numbers Read Roman numerals to 1000 and years written in Roman numerals Add and subtract whole numbers with more than 4 digits Solve addition and subtraction multi-step problems Understand and use multiples, factors and prime numbers Use formal written calculation methods to multiply and divide Multiply and divide mentally, including by 10, 100 and 1000 Recognise and use square and cube numbers and their notation Solve multiplication and division problems Solve problems with all four operations Understand and use equivalent fractions Recognise and use mixed numbers and improper fractions Add and subtract fractions Multiply proper fractions and mixed numbers by whole numbers Understand and use decimal place value Understand and use percentages 	<ul style="list-style-type: none"> Understand and use place value up to 10,000,000 Use negative numbers in context and calculate intervals across zero Use formal long multiplication, to multiply up to 4 digits by 2 digits Use formal short and long division to divide up to 4 digits by 2 digits and interpret remainders Perform mental calculations, including with mixed operations and large numbers Identify common factors, common multiples and prime numbers Use the order of operations to carry out calculations Solve multi-step addition and subtraction problems in contexts Convert between fractions Compare and order fractions Add and subtract fractions with different denominators and mixed numbers Multiply simple pairs of proper fractions Divide proper fractions by whole numbers Calculate decimal equivalents for simple fractions Understand and use decimal place value to 3 decimal places Multiply 1-digit numbers with up to 2 decimal places by whole numbers Use written division where the answer has up to 2 decimal places, rounding as appropriate Recall and use equivalences between fractions, decimals and percentages

multiple	place value	digit	compare	order	Roman numeral	formal written method	column	tenths	hundredths	fractions
cube number	equivalent	denominator	numerator	mixed numbers	decimal place	zero	negative	multi-step	square number	short
division	operation	long division	long multiplication	improper fraction	grid method	proper fraction	whole number	percentage	interval	equivalence
						factors	common multiples	prime numbers		