End of Year Expectations for Mathematics Basic Skills

	Place Value	Addition and Subtraction	Multiplication and Division
Year 1	• count forwards and backwards from any given number to 100 and beyond. • read and write numbers to 100 in digits. • one more and one less than a given number. • write numbers 1 to 20 in words. • use objects or draw pictures to represent numbers.	• use the maths symbols +, - and = in a number sentence. • know number bond facts and related subtraction facts within 20 such as 1 + 5 = 6 and 5 = 6 - 1. • add and subtract one and two-digit numbers to 20, including zero.	• count in steps of 2s, 5s and 10s
	Solve problems related to all of the above facts		

Year 2	• count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward
	• recognise the place value of each digit in a two-digit number (10s, 1s)
	• compare and order numbers from 0 up to 100; use <, > and = signs
	• read and write numbers to at least 100 in numerals and in words
		• recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
		• add and subtract numbers using objects, pictures and mentally, including:
		   a two-digit number and 1s
		   a two-digit number and 10s
		   2 two-digit numbers
		• adding 3 one-digit numbers
			• recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

	Solve problems related to all of the above facts		

Year 3	• count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
	• recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)
	• read and write numbers up to 1,000 in numerals and in words
		• add and subtract numbers mentally, including:
		   a three-digit number and 1s
		   a three-digit number and 10s
		   a three-digit number and 100s
		• add and subtract numbers with up to 3 digits, using column addition and subtraction
			• recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

	Solve problems related to all of the above facts		
Year 4	• count in multiples of 6, 7, 9, 25 and 1,000 • find 1,000 more or less than a given number • count backwards through 0 to include negative numbers • recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s) • order and compare numbers beyond 1,000 • round any number to the nearest 10, 100 or 1,000 • read Roman numerals to 100 (I to C)	• add and subtract numbers with up to 4 digits using column addition and subtraction	• recall multiplication and division facts for multiplication tables up to 12 × 12 • multiply two-digit and three-digit numbers by a one-digit number
	Solve problems related to all of the above facts		
Year 5	• read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit • count forwards or backwards in steps of 10 for any given number up to 1,000,000 • count forwards and backwards with positive and negative whole numbers • round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 • read Roman numerals to 1,000 (M) and recognise years written in Roman numerals	• add and subtract whole numbers with more than 4 digits, using column method	• identify multiples and factors of a number • know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers • establish whether a number up to 100 is prime and recall prime numbers up to 19 • multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers • divide numbers up to 4 digits by a one-digit number • recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3})
	Solve problems related to all of the above facts		
Year 6	• read, write, order and compare numbers up to 10,000,000 and determine the value of each digit • use negative numbers in context, and calculate intervals across 0	• multiply multi-digit numbers up to 4 digits by a two-digit whole number using long multiplication • divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders or fractions • divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate • identify common factors, common multiples and prime numbers	
	Solve problems related to all of the above facts		