	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition	Given a number, identify one more. Read, write and interpret mathematical statements involving addition (+) and equals (=) sign. Add one-digit and two-digit numbers within 20, including zero. Solve missing number problems, e.g. 10 + ? = 16 Represent and use number bonds and related subtraction facts within 20.	Add numbers using concrete objects, pictorial representations and mentally including: - Two-digit number and ones. - Two-digit number and tens. - Two, two-digit numbers. - Three one-digit numbers. Show that addition of two numbers can be done in any order (commutative). Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	Add numbers with up to 3 digits, using a formal written method of columnar addition. Solve problems, including missing number problems.	Add numbers with up to four digits using the formal written method of columnar addition where appropriate. Solve addition and subtraction two-step problems in context deciding which operations and methods to use and why.	Add numbers with more than four digits using the formal written method of columnar addition. Solve addition and subtraction multi-step problems in context deciding which operations and methods to use and why.	Solve addition multi-step problems in context, deciding which methods to use and why. Solve addition and subtraction multi-step problems in context deciding which operations and methods to use and why.

Subtraction	Given a number, identify one less. Read, write and interpret mathematical statements involving subtraction (-) and equals (=) sign. Subtract one-digit and two-digit numbers within 20, including zero. Solve missing number problems, e.g. 20 - ? = 16 Represent and use number bonds and related subtraction facts within 20.	Subtract numbers using concrete objects, pictorial representations and mentally including: - Two-digit number and ones. - Two-digit number and tens. - Two, two-digit numbers. - Three one-digit numbers. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. Show that subtraction of one number from another is not commutative.	Subtract numbers with up to 3 digits, using a formal written method of columnar subtraction. Solve problems, including missing number problems.	Subtract numbers with up to four digits using the formal written method of columnar subtraction where appropriate. Solve addition and subtraction two-step problems in context deciding which operations and methods to use and why.	Subtract numbers with more than four digits using the formal written method of columnar subtraction. Solve addition and subtraction multi-step problems in context deciding which operations and methods to use and why.	Solve subtraction multi-step problems in context, deciding which methods to use and why. Solve addition and subtraction multi-step problems in context deciding which operations and methods to use and why.

Multiplication	Solve one-step problems involving multiplication. Count in multiples of 2, 5 and 10.	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables. Calculate mathematical statements for multiplication tables and write them using the multiplication (x) and equals (=) signs. Solve problems involving multiplication, including problems in context. Show that multiplication of numbers is commutative.	Recall and use multiplication facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication using the multiplication tables that they know, including for 2-digit numbers multiplied by one digit numbers, progressing to a formal written method. 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.	Recall multiplication facts for multiplication tables up to 12 x 12. Multiply by 2 digit and 3 digit numbers by a 1 digit number using formal written methods. Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one digit, integer scaling problems and harder correspondenc e problems such as n object are connected to m objects.	Multiply numbers up to four digits by a one or two-digit number using a formal written method, including long multiplication for two-digit numbers. Multiply whole numbers and those involving decimals by 10, 100 and 1000.	Multiply multi-digit numbers (including decimals) up to 4 digits by two-digit whole numbers.

Division	Solve one-step problems involving multiplication.	Recall and use division facts for the 2, 5 and 10 multiplication tables. Calculate mathematical statements for division tables and write them using the division (÷) and equals (=) signs. Solve problems involving division, including problems in context. Show that division of one number by another is not commutative.	Recall and use division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for division using the multiplication tables that they know, including for 2-digit numbers divided by one digit numbers, progressing to a formal written method. Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondenc e problems in which n objects are connected to m objects.	Recall division facts for multiplication tables up to 12 x 12. Divide by 2 digit and 3 digit numbers by a 1 digit number using formal written numbers.	Divide numbers up to four digits by a one-digit number using a formal written method of short division and interpret remainders appropriately for the context Divide whole numbers and those involving decimals by 10, 100 and 1000.	Divide numbers up to four digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context. Divide numbers up to 4-digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.