Year 3 Progression in Maths

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15
I will know how to convert a given representation to a number (verbal or numerals) I will know how to convert a given number to a stated concrete or visual representation I will know how to partition a number into hundreds, tens and ones and state the value of a given digit within a number. I will know how to	I will know how to count from 0 in steps of 3, 4 and 8 I will know how to count from 0 in steps of 50 and 100 I will know how to find 10 more than a number I will know how to find 10 less than a number I will know how to find 100 more than a number I will know how to find 100 less than a number I will know	I will know how to mentally add a three-digit number and ones/tens/hundreds I will know how to mentally subtract ones/tens/hundred from a three-digit number I will know how to add a three-digit number and a two-digit number using a written method I will know how to add a three-digit number and a three-digit number using a written method I will know how to subtract a two-digit number from a three-digit number using a written method I will know how to subtract a three-digit number from a three-digit number using a written method I will know how to estimate the answer to an addition or subtraction calculation I will know how to find the inverse calculation to an addition or subtraction and use it to check an answer		I will know and understand what an angle is I will know how identify right angles I will know how to describe turns as a number of right angles I will know how to draw right angles I will know how to recognise horizontal and vertical lines I will know how to recognise parallel and perpendicular lines: I will know	I will know how to find the perimeter of a shape (not to scale) with all side the same length by counting: I will know how find the perimeter of a shape I will know how to measure the length of all sides of a shape accurately (whole number of cm) I will know how to find the perimeter by measuring and summing	I will know how to represent unit fractions (of an object/shape) I will know hot to compare and order unit fractions I will know how to present non-unit fractions (<1) (of an object/shape or of a set of objects) I will know how to compare and order non-unit fractions with the same denominator (<1) I will know how to recognise and use all British coins/notes to solve problems I will know how to find unit fractions of a discrete number of objects I will know how to find (simple) non-unit fractions of a discrete number of objects I will know how to solve problems involving finding fractions of amounts (sets of objects)		I will know how to solve practical problems involving multiplication. I will know how to explain and calculate with increasing speed abstract mathematical statements for multiplication within the times tables I will know how to calculate a multiple of 10 multiplied by a single digit I will know how to calculate a two-digit	I will know how to present data in tally and frequency charts. I will know how to present data in a pictogram. I will know how to interpret pictograms. I will know how to present data in a bar chart I will know how to interpret bar charts.	I will know how to describe the sides and vertices of simple 2D shapes I will know how to identify/draw (sketch) a 2D shape given its properties I will know how to draw more complex 2D shapes I will know how to draw a circle I will know how to recognise, name and describe the faces of simple 3D shapes	I will know and use the vocabulary of time I will know basic time conversions I will know how to estimate times I will know how to read the time to 5 minutes using an analogue clock labelled with numbers or Roman numerals I will know how to tell the time to the nearest minute using an analogue clock labelled with numbers or	I will know how to recall and use multiplication and division facts for the three, four and eight times table I will know how to create mathematical statements for multiplication by (2, 5, 10) 3, 4 and 8 I will know how to multiply 2-digit numbers by 1-digit numbers I will know how to recall and use division facts for the three, four and eight times table	*No position and direction learning in Year 3 Curriculum*	I will know how to measure the length of an object or line I will know how to match equivalent lengths I will know how to solve problems involving lengths I will know how to measure the mass of an object I will know how to solve problems involving mass I will know how to measure a volume or

convert a number written in words to numerals I will know how to convert a number written in numerals to words I will know how to recognise matching numerals, words and representations I will know how to compare two numbers to say which is greater, using > or <. I will know how to order three-digit numbers from smallest to largest	how to recall times table multiplication facts I will know how to to recall times table division facts I will know how to find the other related facts when given one times table multiplication or division fact I will know how to solve problems using the 3, 4 and 8 times tables	I will know how to recognise, represent and solve two-step problems combining addition and subtraction (3-digits) I will know how to solve an missing number addition problem using a subtraction I will know how to Solve a missing number subtraction problem using an addition or a subtraction I will know how to Recognise, represent and solve a missing number problem I will know how to Solve combination missing number problems	how to draw shapes with right angles	I will know how to recognise and use all British coins/notes to solve problems I will know how to add amounts of money in £ and p I will know how to subtract an amount of money from another in £ and p I will know how to solve problems involving addition and subtraction money	I will know how to position fractions as points on a number line I will know how to add and subtract fractions with the same denominator I will know how to solve problems involving adding and subtracting fractions I will know how to represent and read decimals up to 1 decimal place I will know how to recognise equivalent fractions; show that two fractions are equivalent	number multiplied by a single digit using any written method I will know how to recognise and solve simple word problems (out of context) involving multiplication using number sentences I will know how to solve practical problems involving division I will know how to explain and calculate (abstract) mathematical statements for division within times tables I will know how to calculate a		I will know how to make models of 3D shapes using modelling materials I will know how to identify 3D shapes with given features	Roman numerals I will know how to write times using 12-hour format I will know how to write times using 24-hour format I will know how to move or draw the hands on a clock labelled with numbers or Roman numerals to show a given time I will know how to compare times given in hours, minutes or seconds I will know how to calculate a duration from the start and end time	I will know how to create mathematical statements for division by (2, 5, 10) 3, 4 and 8 I will know how to divide 2-digit numbers by 1-digit numbers I will know how to represent and solve multiplication word problems I will know how to represent and solve correspondence problems of n objects being connected to m objects I will know how to represent and solve division		the capacity of an object I will know how to solve problems involving volume and capacity

| | | | | | | multiple of 10 divided by a single digit

I will know how to calculate mentally a two-digit number divided by a single digit

I will know how to calculate a two-digit number divided by a single digit using a written method

I will know how to recognise and solve word problems (out of context) involving division using number sentences

I will know how to, when given a representation, suggest a | | | | word problems

I will know how to identify the operation required to solve a multiplication or division problem

I will know how to solve multi-step problems | | |

						calculation that it represents I will know how to find the fact family for a given multiplication or division I will know how to solve a mixture of multiplication and division problems I will know how to recall times table multiplication and division facts					