

Year Group	Year 3 (page 1 of 2) TAFs in orange (WTS) red (EXS) green (GDS)		
Point	19	21	23
Grade	3C	3B	3A
Assessment Milestone	Step 1	Step 2	Achieved Y3 <i>Refer to non-statutory guidance for exemplification</i>
Number and Place Value	<ul style="list-style-type: none"> ■ begin to count from 0 in multiples of 50 and 100 ■ recognise the place value of each digit in a three-digit number (hundreds, tens, ones) ■ identify and represent numbers up to 1000 using different representations (using counters, jottings, pictures) ■ partition 3 digit numbers into hundreds, tens and ones ■ partition numbers in different ways e.g. 23 as 20+3 or 10+13 @ ■ estimate numbers on an empty number line @ ■ round numbers to the nearest 10 @ ■ find 10 or 100 more or less than a given number ■ read numbers up to 1000 in numerals 	<ul style="list-style-type: none"> ■ count from 0 in multiples of 50 and 100 ■ understand importance of 0 as a place holder in numbers up to 1000 ■ name the value of any digit in whole numbers up to 999 ■ partition 3 digit numbers in different ways e.g. 342 becomes 300 +20 +22 ■ identify, represent and estimate numbers up to 1000 using different representations using counters, jottings, pictures) ■ compare and order numbers up to 1000, using >, < and = ■ round numbers to the nearest 100 ■ find 10 or 100 more or less than a given number ■ read and write numbers up to 1000 in numerals and in words ■ solve number problems and practical problems involving these ideas. 	<ul style="list-style-type: none"> ■ count from 0 in multiples of 4, 8, 50 and 100 ■ use partitioning up to 999 to solve problems ■ identify, represent and estimate numbers using different representations including measures up to 1000 ■ compare and order numbers beyond 1000, using >, < and = ■ round numbers to nearest 10 or 100 ■ confidently read and write numbers beyond 1000 in numerals and in words ■ read Roman numerals up to 20 ■ solve number problems and practical problems involving these ideas and explain reasoning
Addition and Subtraction	<ul style="list-style-type: none"> ■ add or subtract two 2-digit numbers where answers may exceed 100 (mentally) ■ solve 3 step problems with addition and subtraction within 100: <ul style="list-style-type: none"> □ applying their increasing knowledge of mental and written methods @ ■ solve + and – in columns without crossing boundaries ■ use rounding to make estimates ■ reason about addition e.g. the sum of 3 odd numbers will always be odd. @ ■ solve more complex missing number problems e.g. 14 + ___ - 3 = 17. @ 	<ul style="list-style-type: none"> ■ add and subtract numbers mentally, including: <ul style="list-style-type: none"> □ a three-digit number and ones □ a three-digit number and tens (multiples of 10) □ a three-digit number and hundreds (multiples of 100) ■ use columnar method for + and – with 2-digit numbers, crossing tens boundaries ■ estimate the answer to a calculation ■ begin to solve problems, using number facts, place value, and multiple step addition and subtraction with numbers up to 100. ■ begin to solve missing number problems involving addition and subtraction with numbers bonds up to 100, which include balancing equations.e.g. 48 + ___ = 100 	<ul style="list-style-type: none"> ■ add and subtract numbers mentally, including: <ul style="list-style-type: none"> □ a three-digit number and ones @ □ a three-digit number and tens (multiples of 10) @ □ a three-digit number and hundreds (multiples of 100) @ ■ add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction up to 999 ■ estimate the answer to a calculation and use inverse operations to check answers ■ solve problems, using number facts, place value, and multiple step addition and subtraction (with numbers up to 100) ■ solve missing number problems involving addition and subtraction with numbers up to 100, which include balancing equations e.g. 48 + ___ = 100 - 32
Multiplication and Division	<ul style="list-style-type: none"> ■ learn facts for 3 times tables and inverse ■ learn multiplication facts up to 12x3 ■ derive facts for x4, x8 by doubling ■ solve mathematical statements for multiplication and division using known tables 	<ul style="list-style-type: none"> ■ recall and use multiplication and division facts for the 3, 4 and 8 times tables ■ begin to write and calculate mathematical statements for multiplication and division using the multiplication tables above, including for two-digit numbers times one-digit numbers, using mental methods and jottings ■ begin to write and calculate mathematical statements for multiplication and division using the multiplication tables above, including for two-digit numbers times one-digit numbers, using formal written methods ■ solve missing number problems involving multiplication and division 	<ul style="list-style-type: none"> ■ know facts for 2,3,4,5,8,10 times tables up to x12 ■ write and calculate mathematical statements for multiplication and division using the multiplication tables above, including for two-digit numbers times one-digit numbers, using mental methods and jottings ■ write and calculate mathematical statements for multiplication and division using the multiplication tables above, including for two-digit numbers times one-digit numbers, using formal written methods ■ solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems
Problem Solving and Reasoning	Pupils demonstrate mastery of the expectations of this year group by solving increasingly complex problems and reasoning mathematically, using the content above.		

Year Group	Year 3 (page 2 of 2) TAFs in orange (WTS) red (EXS) green (GDS)		
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Fractions	<ul style="list-style-type: none"> count up 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 the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$ in practical contexts and when counting in fractions ® find and compare fractions of amounts e.g. $\frac{1}{4}$ of £20 = £5 which is greater than $\frac{1}{2}$ of £8 ® solve problems that involve all of the above, with appropriate fractions 	<ul style="list-style-type: none"> count up and down in tenths recognise, find and write fractions of a discrete set of objects: unit fractions with small denominators recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators compare and order unit fractions, and fractions with the same denominators recognise and show, using diagrams, equivalent fractions with small denominators and place fractions on a number line add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] with appropriate fractions solve problems that involve all of the above, with appropriate fractions 	<ul style="list-style-type: none"> 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: non-unit fractions with small denominators compare and order unit fractions, and fractions with the same denominators using $<$, $>$, $=$ solve problems that involve all of the above, with appropriate fractions, including measures
Measurement	<ul style="list-style-type: none"> read (and apply to problem solving) unlabelled divisions for measure - in 1s, 2s, 10s) reason about simple multiplicative relationships such as twice as long or 10 times as high (and drawing upon 2, 5 and 10 times table) tell and write the time to five minutes and draw the hands on a clock face to show these times ® estimate and read time with increasing accuracy to the nearest minute know the number of seconds in a minute 	<ul style="list-style-type: none"> measure, compare: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) measure the perimeter of simple 2-D shapes read (and apply to problem solving) labelled divisions for measure - in 1s, 2s, 5s, 10s, 100s) – and begin to do so for unlabelled divisions up to the same numbers estimate and read time with increasing accuracy to the nearest minute using vocabulary of am/pm tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12 hour clock compare durations of events [for example to calculate the time taken by particular events or tasks] 	<ul style="list-style-type: none"> measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) read (and apply to problem solving) labelled and unlabelled divisions for measure - in 1s, 2s, 5s, 10s, 100s, and other multiples of 1000) add and subtract amounts of money to give change, using both £ and p in practical contexts using appropriate amounts up to £5 tell and write the time from an analogue clock, including using 12-hour and 24-hour clocks estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, morning, afternoon, noon and midnight know the number of days in each month, year and leap year
Properties of Shapes	<ul style="list-style-type: none"> recognise and name prisms draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them and identify right angles (as a quarter turn) 	<ul style="list-style-type: none"> identify horizontal and vertical lines recognise angles as a property of shape or a description of a turn identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn 	<ul style="list-style-type: none"> identify vertical and horizontal lines of symmetry in common 2-D shapes. identify pairs of perpendicular and parallel lines identify whether angles are greater than or less than a right angle
Position and Direction	<ul style="list-style-type: none"> use the terms clockwise and anti-clockwise to describe position, direction and movement ® 	<ul style="list-style-type: none"> know and use the terms 'North,' 'South,' 'East' and 'West' 	<ul style="list-style-type: none"> know and use the terms 'North,' 'North-East,' 'East,' 'South-East,' 'South,' 'South-West,' 'West' and 'North-West' be able to move between compass directions in half and quarter turns
Statistics	<ul style="list-style-type: none"> interpret and construct pictograms (where the symbols show many-to-one correspondence) and block graphs (where the scale is divided into 2s and 5s) ® understand and use simple scales (e.g. divisions 2, 5 and 10) 	<ul style="list-style-type: none"> interpret and present data using bar charts, pictograms and tables solve one-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables 	<ul style="list-style-type: none"> solve two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables
Problem Solving	Pupils demonstrate mastery of the expectations of this year group by solving increasingly complex problems and reasoning mathematically, using the content above.		