2016-17	Band 3 Maths Assessment											
Number and place value				**Multiplication and division**				**Measures**				
Count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number				**Recall and use multiplication and division facts for the 3x's multiplication tables**				**measure, compare, add and subtract: lengths (m/cm/mm);**				
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)				**Recall and use multiplication and division facts for the 4 x's multiplication tables**				**mass (kg/g);**				
Compare and order numbers up to 1000				**Recall and use multiplication and division facts for the 8x's multiplication tables**				**volume/capacity (l/ml)**				
Identify, represent and estimate numbers using different representations				**Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to**				Measure the perimeter of simple 2-D shapes				
Read and write numbers to at least 1000 in numerals and in words				solve problems involving multiplication and division, missing number problems, including integer scaling problems and correspondence problems in which n objects are connected to m objects				**Add and subtract amounts of money to give change, using both £ and p in practical contexts**				
Solve number problems and practical problems involving these ideas								**Tell and write the time from an analogue clock,**				
Addition and subtraction				**Fractions**				including using Roman numerals from I to XII, and 12-hour and 24-hour clocks				
Add and subtract numbers mentally, including:				**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**				Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight				
a three-digit number and ones				**Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators**				Record and compare time in terms of seconds, minutes, hours and o'clock				
a three-digit number and tens				Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators				Use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight				
a three-digit number and hundreds				**Recognise and show, using diagrams, equivalent fractions with small denominators**				Know the number of seconds in a minute and the number of days in each month, year and leap year				
Add and subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction				Add and subtract fractions with the same denominator within one whole (e.g. 5/7 + 1/7 = 6/7)				Compare durations of events, for example to calculate the time taken by particular events or tasks				
Estimate the answer to a calculation and use inverse operations to check answers				Compare and order unit fractions with the same denominator				**Geometry: properties of shapes**				

Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction				Solve problems that involve all of the above				Draw 2-D shapes and make 3-D shapes using modelling materials;				
Data								Recognise 3-D shapes in different orientations; and describe them with increasing accuracy				
Interpret and present data using bar charts, pictograms and tables								Recognise angles as a property of shape and associate angles with turning				
Solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables								**Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle**				
								Identify horizontal, vertical, perpendicular and parallel lines in relation to other lines				