

2016-17		Band 4 Maths Assessment									
Number and place value		Multiplication and division				Measures					
<u>Count in multiples of 6, 7, 9, 25 and 1000</u>		<u>Recall multiplication and division facts for multiplication tables up to 12 × 12</u>				<u>Convert between different units of measure (e.g. kilometre to metre; hour to minute)</u>					
Find 1000 more or less than a given number		Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers				Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres					
<u>Count backwards through zero to include negative numbers</u>		Recognise and use factor pairs and commutativity in mental calculations				Estimate, compare and calculate different measures, including money in pounds and pence					
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)		Multiply two-digit and three-digit numbers by a one-digit number using formal written layout				Find the area of rectilinear shapes by counting					
<u>Order and compare numbers beyond 1000</u>		Solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects.				Read, write and convert time between analogue and digital 12 and 24-hour clocks					
Identify, represent and estimate numbers using different representations		Fractions				solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days					
<u>Round any number to the nearest 10, 100 or 1000</u>		<u>Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten</u>				Geometry: Properties of shapes					
Solve number and practical problems that involve all of the above and with increasingly large positive numbers		Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number				<u>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</u>					
Read Roman numerals to 100 (I to C) and understand how, over time, the numeral system changed to include the concept of zero and place value.		Identify, name and write and know common equivalent fractions of a given fraction, including tenths and hundredths				Identify acute and obtuse angles and compare and order angles up to two right angles by size					
Addition and Subtraction		Add and subtract fractions with the same denominator				<u>Identify lines of symmetry in 2-D shapes presented in different orientations</u>					
Add and subtract numbers with up to 4 digits using the efficient written methods of columnar addition and subtraction where appropriate		Fractions and Decimals				Complete a simple symmetric figure with respect to a specific line of symmetry					

Estimate and use inverse operations to check answers to a calculation				Recognise and write decimal equivalents of any number of tenths or hundredths				Geometry: Position + direction			
<u>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why</u>				Recognise and write decimal equivalents to $1/4$; $1/2$; $3/4$				Describe positions on a 2-D grid as coordinates in the first quadrant			
Data				Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths				Describe movements between positions as translations of a given unit to the left/right and up/down			
Interpret and present discrete data using bar charts and continuous data using line graphs				<u>Round decimals with one decimal place to the nearest whole number</u>				<u>Plot specified points and draw sides to complete a given polygon</u>			
<u>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and simple line graphs</u>				Compare numbers with the same number of decimal places up to two decimal places							
				<u>Solve simple measure and money problems involving fractions and decimals to two decimal places</u>							