

2016-17		Band 6 Maths Assessment					
Number, place value, approximation and estimation		Fractions, Decimals + %			Measures		
Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.		Use common factors to simplify fractions; use common multiples to express fractions in the same denomination			Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate		
<u>Round any whole number to a required degree of accuracy</u>		Compare and order fractions, including fractions > 1			<u>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time</u>		
<u>Use negative numbers in context, and calculate intervals across zero</u>		Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.			Convert between miles and kilometres		
Solve number and practical problems that involve all of the above.		Multiply simple pairs of proper fractions, writing the answer in its simplest form			Recognise that shapes with the same areas can have different perimeters and vice versa		
<b>Calculations</b>		Divide proper fractions by whole numbers			Recognise when it is possible to use formulae for area and volume of shapes		
<u>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</u>		Associate a fraction with division and calculate decimal fraction equivalents			Calculate the area of parallelograms and triangles		
Divide numbers up to 4 digits by a two-digit whole number using the formal written		Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places			Calculate, estimate and compare volume of cubes and cuboids using standard units, incl $\text{cm}^3/\text{m}^2$ extending to other units		
Method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context		Multiply one-digit numbers with up to two decimal places by whole numbers			Calculate with measures E.g. calculate length of a bus journey given start and end times; convert 0.05km into m and then into cm		
<u>Divide numbers up to 4 digits by a two-digit number using the formal written method of short division, interpreting remainders according to the context</u>		<u>Use written division methods in cases where the answer has up to two decimal places</u>			<b>Geometry</b>		
Perform mental calculations, including with mixed operations and large numbers		<u>Solve problems which require answers to be rounded to specified degrees of accuracy</u>			Draw 2-D shapes using given dimensions and angles		

