



Maths Assessment sheet **BAND 5** (Target Tracker)

Pupil's Name _____



Number and Place Value	Dates evident			Addition and Subtraction	Dates evident		
read, write, order and compare numbers to at least 1000000 and determine the value of each digit				add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)			
count forwards or backwards in steps of powers of 10 for any given number up to 1000000				add and subtract numbers mentally with increasingly large numbers			
interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero				use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy			
round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000				solve addition and subtraction multi-step problems in contexts deciding which operations and methods to use and why			
solve number problems and practical problems that involve ordering and comparing numbers to 1000000, counting forwards or backwards in steps, interpreting negative numbers and rounding							
read Roman numeral to 1000 (M) and recognise years written in Roman numerals							

Multiplication and Division	Dates evident			Fractions	Dates evident		
identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers				compare and order fractions whose denominators are all multiples of the same number			
know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers				identify and name equivalent fractions of a given fraction, represented visually, including tenths and hundredths			



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establish whether a number up to 100 is prime and recall prime numbers up to 19				write equivalent fractions, represented visually, including tenths and hundredths			
multiply numbers up to 4 digits by a one- or two- digit number including a formal written method, including long multiplication for two- digit numbers				recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number e.g. $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$			
multiply and divide numbers mentally drawing upon know facts				add and subtract fractions with the same denominator and denominators that are multiples of the same number			
divide numbers up to 4 digits by a one- digit number using the formal written method of short division and interpret remainders appropriately for the context				multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams			
multiply and divide whole numbers and those involving decimals by 10, 100 and 1000				read and write decimal numbers as fractions e.g. $0.71=71/100$			
recognise and use square numbers and the notation for squared (2)				recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents			
recognise and use cube numbers and the notation for cubed (3)				round decimals with two decimal places to the nearest whole number and to one decimal place			
solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes				read, write, order and compare numbers with up to three decimal places			
solve problems involving addition, subtractions, multiplication and division and a combination of these, including understanding the meaning of the equals sign				solve problems involving number up to three decimal places			
solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple				recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fractions with denominator 100, and as a decimal			



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rates						
				solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25		

Measurement	Dates evident			Geometry-Properties of Shapes	Dates evident		
convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)				identify 3-D shapes, including cubes and other cuboids, from 2-D representations			
understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints				know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles			
measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres				draw given angles, and measure them in degrees ($^{\circ}$).			
calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes				identify angles at a point and one whole turn (total 360°)			
estimate volume e.g. using 1 cm^2 blocks to build cuboids (including cubes) and capacity e.g. using water				identify angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°)			
solve problems involving converting				identify other multiples of 90°			



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between units of time							
use all four operations to solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling				use the properties of rectangles to deduce related facts and find missing lengths and angles			
				distinguish between regular and irregular polygons based on reasoning about equal sides and angles			

Position and Direction	Dates evident			Statistics	Dates evident		
identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed				solve comparison, sum and difference problems using information presented in a line graph			
				complete, read and interpret information in tables, including timetables			

Ration and Proportion	Dates evident		