



A Year 3 Mathematician

TARGETS	Pupil Assessment	SECURE
Number, place value, approximation and estimation/rounding		
I can count from 0 in multiples of 4, 8, 50 and 100.		
I can compare and order numbers up to 1,000.		
I can read and write numbers to 1,000 in numerals and words.		
I can find 10 or 100 more or less than a given number.		
I can recognise the place value of each digit in a 3-digit number.		
I can identify, represent and estimate numbers using different representations.		
I can solve number problems and practical problems using above.		
Calculations		
I can add and subtract mentally, including:		
A 3-digit number and ones		
A 3-digit number and tens		
A 3-digit number and hundreds		
I can add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.		
I can estimate the answer to a calculation and use inverse operation to check answers.		
I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.		
I can recall and use multiplication and division facts for the 3x, 4x and 8x tables.		
I can write and calculate mathematical statements for multiplication and division using the multiplication tables, including for 2-digit numbers, using mental and progressing to formal written methods.		
I can solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects.		
Fractions, decimals and percentages		
I can count up and down in tenths.		
I recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10.		
I recognise and can find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.		
I can compare and order unit fractions and fractions with the same denominators.		
I can add and subtract fractions with the same denominator within one whole.		
I can solve problems involving the above.		



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TARGETS	Pupil Assessment	SECURE
Measurement		
I can compare lengths using m, cm & mm.		
I can compare mass using kg & g.		
I can compare volume/capacity using l & ml.		
I can measure lengths using m, cm & mm.		
I can measure mass using kg & g.		
I can measure volume/capacity using l & ml.		
I can add and subtract lengths using m, cm & mm.		
I can add and subtract mass using kg & g.		
I can add and subtract volume/capacity using l & ml.		
I can tell and write the time from an analogue clock (12 hour clock).		
I can tell and write the time from an analogue clock (24 hour clock).		
I can tell and write the time from an analogue clock (Roman numerals).		
I can estimate and read time with increasing accuracy to the nearest minute.		
I can record and compare time in terms of seconds, minutes and hours.		
I can use the following vocabulary: o'clock, am, pm, morning, afternoon, noon & midnight.		
I know the number of seconds in a minute.		
I know the number of days in each month, year and leap year.		
I can compare the duration of events.		
I can measure the perimeter of simple 2D shapes.		
I can add and subtract amounts of money to give change, using both £ and p in a practical context.		
Geometry - properties of shapes		
I can identify horizontal, vertical lines and pairs of perpendicular and parallel lines.		
I can draw 2D shapes.		
I can make 3D shapes using modelling materials.		
I recognise 3D shapes in different orientations and describe them.		
I recognise that angles are a property of shape or a description of a turn.		
I can identify right angles.		
I recognise that two right angles make a half-turn & three make a three quarter turn.		
I can identify whether angles are greater than or less than a right angle.		
Statistics		
I can interpret and present data using bar charts, pictograms and tables.		
I can solve one-step and two-step questions using information presented in scaled bar charts, pictograms and tables.		



Mathematics Targets

Pupil's Name: _____

Exceeding Year 3 Expectations

TARGETS	Pupil Assessment	SECURE
I can recognise the value of each digit in a 4-digit number and the value of a tenth.		
I know all multiplication facts up to 10×10 and can instantaneously answer questions such as, how many 7s in 42?		
I can add and subtract numbers with any number of digits using formal written methods.		
I am beginning to have an understanding about negative numbers recognising they are smaller than zero.		
I can multiply and divide any 2-digit number by a single digit number and have an understanding of 'remainder'.		
I can find fractional values (from $\frac{1}{2}$ to $\frac{1}{10}$) of amounts up to 1000.		
I can use my knowledge of number to solve problems related to money, time and measures.		
I know that the total internal angles of a triangle measure 180° and can measure each angle.		
I can use my knowledge of time to help me solve problems related to timetables.		
I can measure, compare, add and subtract when solving more complex problems using common metric measures set out in Kg,gms; Kl,litres; Km and metres, etc.		

