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Mathematics Assessment Tracking Grids - Year Two

Working Towards									
Number and Place Value	I can count forwards in multiples of 2, 3, 5 and 10								
	I can partition a 2 digit number using concrete and pictorial representations								
	I can identify, represent and estimate numbers using different representations, including the number line up to 25								
	I can compare and order numbers up to 100, beginning to use < > and = to show my understanding								
	I can read and write numbers to at least 50 in numerals and words								
	I can use my knowledge of number facts to help me solve problems								
Addition and Subtraction	I can choose the correct operation and solve problems with addition and subtraction								
	I can recall and use addition and subtraction facts to 20 fluently								
	I can add and subtract a two digit number and ones using concrete objects, pictorial representations and mentally								
	I can add and subtract a two digit number and tens using concrete objects, pictorial representations and mentally								
	I know that addition results in an answer that is more and that subtraction results in an answer that is less								
	I can recognise and use the inverse between addition and subtraction and use this to help me to check calculations								

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Multiplication and Division	I can recall and use the 2, 5 and 10 times tables in order								
	I can calculate mathematical statements for multiplication and division for the 2s, 5s and 10s and use the appropriate symbol when recording								
	I can read, write and understand mathematical statements that use the signs for multiplication, division and equals								
	I can solve simple problems involving multiplication and division, using concrete and pictorial representation, arrays and some mental methods								
Fractions	I can recognise, find, name and write fractions ¼, 2/4 and ¾ of a length, shape or set of objects								
	I can recognise that 2/4 is equivalent to ½ and vice versa								
Measurement	I can choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature; capacity (l/ml) to the nearest appropriate unit using appropriate equipment increasingly accurately								
	I recognise and know the value of the different denominations of money (coins and notes)								
	I am beginning to solve simple problems in a practical context involving the addition and subtraction of money								
	I can write and tell the time to the hour, half past, quarter past and quarter to and draw the hands on a clock face to show these times								
	I understand that an hour is longer than a minute								
Properties of Shape	I can identify common 2D shapes and begin to describe their properties with the correct vocabulary								
	I can identify common 3D shapes and begin to describe their properties with the correct vocabulary								

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Position and Direction	I can arrange combinations of mathematical objects in a repeating pattern or simple sequence								
	I can use mathematical vocabulary to describe direction and movement, including some turns								
Statistics	I can recognise simple pictograms, tally charts and block diagrams								
	I can ask questions about simple pictograms, tally charts and block diagrams								

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Expected									
Number and Place Value	I can count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward								
	I can recognise the place value of each digit in a two-digit number (tens, ones)								
	I can identify, represent and estimate numbers using different representations, including the number line								
	I can compare and order numbers from 0 up to 100; use <> and = signs								
	I can read and write numbers to at least 100 in numerals and in words								
	I can use place value and number facts to solve problems								
Addition and Subtraction	I can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures								
	I can solve problems with addition and subtraction applying my increasing knowledge of mental and written methods								
	I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100								
	I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-digit number and ones								
	I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-digit number and tens								
	I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including two two-digit numbers								

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	I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including adding three one-digit numbers								
	I can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot								
	I can recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.								

Multiplication and Division	I can recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers								
	I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs								
	I can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot								
	I can solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.								
Fractions	I can recognise, find, name and write fractions 1/3, 1/4 , 2/4 and 3/4 of a length, shape, set of objects or quantity								
	I can write simple fractions for example, 2 1 of 6 = 3 and recognise the equivalence of 2/4 and 1/2								
Measurement	I can choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels								
	I can compare and order lengths, mass, volume/capacity and record the results using >, < and =								
	I can recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value								

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	I can find different combinations of coins that equal the same amounts of money								
	I can solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change								
	I can compare and sequence intervals of time								
	I can tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times								
	I know the number of minutes in an hour and the number of hours in a day.								
Properties of Shape	I can identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line								
	I can identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces								
	I can identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]								
	I can compare and sort common 2-D and 3-D shapes and everyday objects								
Position and Direction	I can order and arrange combinations of mathematical objects in patterns and sequences								
	I can use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).								
Statistics	I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables								
	I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity								
	I can ask and answer questions about totalling and comparing categorical data.								

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Greater Depth									
Number and Place Value	I can identify a multiple of 2, 5 or 10 in any given number								
	I can recognise some multiples of 3								
	I understand that a three digit number has hundreds, tens and ones and can identify these								
	I can accurately estimate where numbers would be on an empty number line and explain my reasoning								
	I can solve problems involving < > and = and explain my reasoning								
	I can read and write an increasing range of numbers above 100								
	I can solve problems using place value and explain my reasoning								
Addition and Subtraction	I can solve simple two step problems with addition and subtraction and explain my reasoning								
	I can fluently recall and use related addition and subtraction facts above 100								
	I can begin to use a written method to add and subtract two 2 digit numbers								

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Multiplication and Division	I can recall and use multiplication and division facts for 2, 5 and 10 times tables fluently, using commutativity and my understanding of inverse to support my reasoning								
	I can choose the correct operation when solving a problem involving multiplication or division								
	I can solve increasingly complex problems using my multiplication and addition skills and begin to explain my reasoning								
	I can check calculations using the inverse and record related number facts								
Fractions	I can solve problems involving fractions and begin to explain my reasoning								
	I can count in halves and quarters using a number line								
	I can explain that fractions are parts of 1								
Measurement	I can accurately take a range of measurements by choosing the appropriate equipment								
	I can compare and order increasingly complex measurements								
	I can solve simple problems involving measurement and begin to explain my reasoning								
	I can solve problems involving the addition and subtraction of money of the same unit, including giving change and begin to explain my reasoning								
	I can solve problems involving time using a number line and begin to explain my reasoning								

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Properties of Shape	I can compare and sort a wide range of 2D shapes and using the correct mathematical vocabulary to do so								
	I can compare and sort a wide range of 3D shapes and everyday objects, using the correct mathematical vocabulary to do so								

Position and Direction	I can order and arrange mathematical objects in increasingly complex sequences								
	I can predict what may come next in a mathematical sequence and begin to explain my reasoning								
	I can use mathematical vocabulary to describe position, direction and movement, including linking my knowledge of turns to simple angles, e.g. right angles								
Statistics	I can recognise and begin to interpret simple pictograms, tally charts, block diagrams and tables								
	I can ask more complex questions about simple pictograms, tally charts, block diagrams and tables								