



Year 2 Maths Medium Term Plans

Autumn

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Number: Place Value To count numbers up to 100 using concrete objects: counting up by ones and tens. To understand each digit in a number has its own value. To be able to compare numbers using place-value knowledge. To count in ones and tens; to introduce boundary crossing using tens and ones. To recognise and describe patterns with more complex numbers, in particular 3 and 5. To use place-value knowledge to think about the effects of each digit in a number.			Calculations: Addition and Subtraction To be able to add a 1-digit number to a 2-digit number without regrouping the ones. To add tens by recognising its relationship to adding ones. To add 2-digit numbers where one is a multiple of 10. To add with tens and ones where the ones are both more than zero. To add 1-digit numbers to a 2-digit number resulting in renaming of ones. To add two 2-digit numbers where renaming is expected. To subtract ones from a 2-digit number.			Calculations: Multiplication of 2, 5 and 10 To realise that multiplication is the same as repeated addition with equal groups. To use concrete materials and pictorial representations to multiply by 2. To recall and use the 5 times table. To introduce the 10 times table by focusing on the numbers found in the 10 times table.		Calculations: Multiplication and Division of 2, 5 and 10 To understand that grouping is a way of dividing. To be able to divide by 2. The two strategies used here are splitting into groups of x and splitting into equal groups of many. To be able to divide by 5 and identify		Assessment Week	Review and Revisit

	To subtract 2-digit multiples of 10 from 2-digit multiples of 10. To subtract a 2-digit number by another 2-digit number. To subtract a 2-digit number by another 2-digit number where renaming has to occur. To add three 1-digit numbers.	To use knowledge of the 2, 5 and 10 times tables to further investigate commutative law. To use the 2, 5 and 10 times tables to solve word problems.	links with multiplying by 5. To be able to divide by 10 and identify links with multiplying by 10. To use multiplication and division knowledge in problem solving and to create equations from questions.		
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Spring Term

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Measurement: Length and Mass To measure length in metres and centimetres. To compare length for objects using 'greater than' and 'less than' symbols. To be able to solve problems involving measurement in the context of word problems. To be able to solve addition and multiplication word problems involving measurement. To be able to solve addition and division word problems involving measurement. To understand that mass is measured in kilograms and by using weighing scales. To be able to measure mass in grams and to understand that it is a smaller unit of measure than a kilogram. To be able to measure mass accurately in grams using weighing scales.			Measurement: Mass and Temperature To be able to accurately read temperature in Celsius. To be able to estimate temperature and to read thermometers to confirm the estimate.	Statistics : Pictograms To be able to read and interpret a picture graph with confidence. To be able to read, interpret and create a picture graph where the value of the	Measurement: Money To identify standard UK coins and notes and write their names. To count coins in sequences of their value; to recognise the value of coins by appearance. To create equal amounts of money using different coins. To exchange denominations of money for different coins. To compare different amounts of money using coins. To add money together to determine the total amount. To calculate change from £100 or less; to use the bar model		Geometry: 2D shapes To identify the number of sides on basic 2D shapes. To identify and count the vertices in regular polygons. To identify lines of symmetry in basic 2D shapes. To construct shapes using pattern blocks that have lines of symmetry. To sort shapes based on number of sides, vertices and other factors. To draw shapes using square grid and dot grid paper; to copy shapes from sight using grid paper. To recognise patterns of familiar shapes and	Assessment Week	Review and Revisit		

To be able to compare the mass of three objects and use the appropriate vocabulary. To solve word problems in the context of mass.		picture can represent more than 1.	approach to represent amounts of money.	colours of up to three objects. To move shapes on a square grid from one position to another using common language. To turn objects using quarter, half and three-quarter turns both clockwise and anticlockwise on a square grid.		
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Summer Term

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Geometry: 3D Shapes To recognise 3D shapes by identifying their properties. To describe 3D shapes based on the number of faces and the 2D shapes of these faces; to construct nets of shapes into 3D shapes. To group 3D shapes by similar properties. To form 3D structures using multiple 3D objects. To make and recognise patterns using 3D shapes.		Fractions To make equal parts from a whole using simple and complex methods. To show and recognise halves and quarters. To show and identify more than one quarter using materials and pictures. To show and identify thirds in shapes; to use the vocabulary 'numerator' and 'denominator' when referring to fractions. To identify and name fractions by looking at the number of pieces and how many are shaded in. To be able to recognise pairs of fractions that add up to a whole. To count in halves and place halves onto a number line using pictures. To count in quarters and place quarters onto a number line using pictures. To find fractions (half) of whole numbers. To find a fraction (third) of a whole number. To find a fraction (quarter) of a number. To find a fraction (half, third, quarter) of a quantity (length).				Assessment Week	Measurement: Time and Volume To tell and write time to 5-minute intervals. To sequence events of the day by looking at analogue clocks and pictures. To draw hands on an analogue clock to show the correct time. To find the duration of time to 5-minute intervals. To find the ending time in intervals of 5 minutes from delayed starts. To find the starting time, given the end time and the duration in 5-minute and 1-hour intervals. To be able to compare time in hours and minutes. To compare volume in different-sized containers using the terms 'greater than,' 'less than,' 'greatest' and 'least.' To compare the volume of different containers using non-standard units. To measure volume using litres and determine whether an amount is 'more than,' 'less than' or 'equal to' a litre. To measure volume using millilitres and litres; to determine how many ml there are in 1 l. To solve word problems involving volume and multiplication.				Review and Revisit

