

Medium Term Planning Year 2

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Autumn 1	<b>Chapter 1 – Numbers to 100</b>	
	Lesson 1 – Numbers to 100	
	To count numbers up to 100 using concrete objects: counting up by 1s and 10s.	
	Lesson 2 – Place Value	
	To understand each digit in a number has its own value.	
	Lesson 3 – Comparing Numbers	
	To be able to compare numbers using place value knowledge gained from previous lessons.	
	Lesson 4 – Number Bonds	
	To be able to split a number into two separate numbers which combine to make the original number: partitioning a number into tens and units.	
	Lesson 5 – Number Patterns	
	To recognise and describe number patterns that go up and down by 1s, 2s or 10s.	
	Lesson 6 – Number Patterns	
	To recognise and describe patterns with more complex numbers: in particular 3 and 5.	
	Mind Workout – Mind Workout	
	To use place value knowledge to think about the effects of each digit in a number.	
	<b>Chapter 2 – Addition and Subtraction</b>	
	Lesson 1 – Simple Adding	
	To be able to add a single-digit number to a 2-digit number without regrouping the ones.	
	Lesson 2 – Simple Adding	
	Simple addition of 10s and ones.	
	Lesson 3 – Simple Adding	
	This lesson is a follow on from the previous lesson. In this lesson the units column will consist of one digit being more than 0.	
	Lesson 4 – Simple Adding	
	To add with tens and units where the units are both more than 0.	
	Lesson 5 – Adding with Renaming	
	To add single-digit numbers to a double-digit number resulting in renaming of units.	
	Lesson 6 – Adding with Renaming	
	To add two 2-digit numbers with the sum of units more than or equal to 10. This lesson is the natural next step from the previous lesson.	
	Lesson 7 – Simple Subtracting	
	To consider the first steps of subtraction: subtracting units from a 2-digit number without affecting the 10s column.	
Lesson 8 – Simple Subtracting		
To focus on subtracting mainly in the tens column whilst using unit subtraction to draw out similarities.		
Lesson 9 – Simple Subtracting		
To focus on subtracting tens from a 2-digit number with the ones being more than 0.		
Lesson 10 – Simple Subtracting		

	To subtract a 2-digit number by another 2-digit number. In this lesson both 2-digit numbers have a value for ones but the subtraction does not stay within each column and there is no need to rename any groups.	
	Lesson 11 – Subtracting with Renaming	
	To subtract a 2-digit number by a 1-digit number. The key concept covered in this lesson is when subtraction forces us to rename the units group as there are not enough units to subtract in the first place.	
	Lesson 12 – Subtracting with Renaming	
	To subtract a 2-digit number by another 2-digit number where renaming has to occur.	
	Lesson 13 – Addition of Three Numbers	
	To add three single-digit numbers.	
	Mind Workout – Mind Workout	
Autumn 2	<b>Chapter 3 – Multiplication of 2, 5 and 10</b>	
	Lesson 1 – Multiplication as Equal Groups	
	To realise multiplication is the same as repeated addition with equal groups.	
	Lesson 2 – 2 Times Table	
	To focus on understanding and learning the 2 times table.	
	Lesson 3 – 2 Times Table	
	To continue to focus on the 2 times table whilst also looking at number patterns formed in the 2 times table.	
	Lesson 4 – 5 Times Table	
	To cover the basics of the 5 times table and to highlight multiplication visually as equal groups.	
	Lesson 5 – 5 Times Table	
	To look at the 5 times table in more depth. Pupils will look at patterns and think of strategies that will help them answer questions on this times table.	
	Lesson 6 – 10 Times Table	
	To introduce the 10 times table by focusing on the numbers found in the 10 times table.	
	Lesson 7 – 10 Times Table	
	To look at the 10 times table in more detail by looking at patterns and relationships.	
	Lesson 8 – Multiplying by 2, 5 and 10	
	To investigate links between the 2, 5 and 10 times tables. To understand commutative law.	
	Lesson 9 – Multiplying by 2, 5 and 10	
	To use knowledge of the 2, 5 and 10 times tables to investigate commutative law further.	
	Lesson 10 – Solving Word Problems	
	To use the 2, 5 and 10 times tables to solve word problems.	
	Mind Workout – Mind Workout	
	To use the newly-gained knowledge of multiplication to solve problems.	
	<b>Chapter 4 – Multiplication and Division of 2, 5 and 10</b>	
	Lesson 1 – Grouping	
	To understand that grouping is a way of dividing.	
	Lesson 2 – Sharing	
To be able to divide by sharing an amount.		
Lesson 3 – Dividing by 2		
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.		
Lesson 4 – Dividing by 5		
To be able to divide by 5 and identify links with multiplying by 5.		
Lesson 5 – Dividing by 10		

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	To be able to divide by 10 and identify links with multiplying by 10.	
	Lesson 6 – Multiplication and Division	
	Use multiplication and division skills to identify family facts in a number sentence.	
	Lesson 7 – Solving Word Problems	
	Understand and solve word problems which require the use of the multiplication and division skills covered in this chapter.	
	Lesson 8 – Odd and Even Numbers	
	To be able to link whether odd or even numbers can be divisible by 2, 5 or 10.	
	Mind Workout – Mind Workout	
	To use multiplication and division knowledge in problem solving and to create equations from questions.	
	<b>Chapter 5 – Length</b>	
	Lesson 1	
	To be able to understand that we measure length using a standard unit of measure called a metre.	
	Lesson 2 – Measuring Length in Centimetres	
	To be able to understand that a centimetre is a smaller unit of measure than a metre and that you can measure length, height and width using the same unit of measure.	
	Lesson 3 – Comparing Length in Metres	
	To be able to compare length for objects using greater than and less than symbols.	
	Lesson 4 – Comparing Length in Centimetres	
	To be able to compare different lengths using centimetres as the unit of measure.	
	Lesson 5 – Comparing the Length of Lines	
	To be able to compare and measure various line lengths: both straight and curvy.	
	Lesson 6 – Solving Word Problems	
	To be able to solve problems involving measurement in the context of word problems.	
	Lesson 7 – Solving Word Problems	
	To be able to solve addition and multiplication word problems involving measurement.	
	Lesson 8 – Solving Word Problems	
	To be able to solve addition and division word problems involving measurement.	
	Lesson 9 – Chapter End	
Spring 1	<b>Chapter 6 – Mass</b>	
	Lesson 1 – Measuring Mass in Kilograms	
	To understand that mass is measured in kilograms and by using scales.	
	Lesson 2 – Measuring Mass in Grams	
	To be able to measure mass in grams and to understand that it is a smaller unit of measure than a kilogram.	
	Lesson 3 – Measuring Mass in Grams	
	To be able to measure mass accurately in grams using scales.	
	Lesson 4 – Comparing Masses of Two Objects	
	To be able to compare the mass of two different objects accurately.	
	Lesson 5 – Comparing the Mass of Three Objects	
	To be able to compare the mass of three objects and use the appropriate vocabulary.	
	Lesson 6 – Solving Word Problems	
	To solve word problems in the context of mass.	
	Lesson 7 – Solving More Word Problems	
To solve word problems on mass.		
Lesson 8 – Chapter End		
	To solve problems that involve comparing, using scales and balances to measure mass accurately.	

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	<b>Chapter 7 – Temperature</b>	
	Lesson 1 – Reading Temperature	
	To be able to read temperature in celsius accurately.	
	Lesson 2 – Estimating temperature	
	To be able to estimate temperature and to read thermometers to confirm the estimate.	
	Lesson 3 – Chapter End	
	To be able to understand how temperature is read and how to order temperatures from highest to lowest.	
	<b>Chapter 8 – Picture Graphs</b>	
	Lesson 1 – Reading Picture Graphs	
	To be able to read a picture graph with confidence.	
	Lesson 2 – Reading Picture Graphs	
	To be able to read and interpret a picture graph with confidence.	
	Lesson 3 – Reading Picture Graphs	
	To be able to read and interpret a picture graph where the value of the picture can represent more than 1.	
	Lesson 4 – Reading Picture Graphs	
	To be able to read and interpret a picture graph where the value of the picture can represent more than 1.	
	Lesson 5 – Reading Picture Graphs	
	To be able to read, interpret and create a picture graph where the value of the picture can represent more than 1.	
	Lesson 6 – Chapter End	
	To consolidate knowledge on how to read, interpret and create a picture graph where the value of the picture can represent more than 1.	
Back		
<b>Chapter 9 – More Word Problems</b>		
Lesson 1 – Solving Word Problems		
To decide when it is appropriate to add and/or subtract when solving word problems; to improve the use of bar modelling and decision making based on visual representations.		
Lesson 2 – Solving Word Problems		
To use the bar model method to solve word problems looking at difference.		
Lesson 3 – Solving Word Problems		
To solve multi-step word problems using bar modelling; to use more than one bar model in a problem to work out the answer.		
Lesson 4 – Solving Word Problems		
To use bar modelling to solve multi-step word problems involving unknown quantities.		
Lesson 5 – Chapter End		
Spring 2	<b>Chapter 10 – Money</b>	
	Lesson 1 – Writing Amounts of Money	
	To identify standard UK coins and notes and write their names.	
	Lesson 2 – Counting Money	
	To count notes in sequences of 5 and 10; to recognise the value of notes by appearance.	
	Lesson 3 – Counting Money	
	To count coins in sequences of their value; to recognise the value of coins by appearance.	
	Lesson 4 – Counting Money	
To represent amounts of money using coins and notes; to count coins and notes using their denominations.		
Lesson 5 – Showing Equal Amounts of Money		
To create equal amounts of money using different coins.		
Lesson 6 – Exchanging Money		

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To exchange denominations of money for different coins.	
Lesson 7 – Comparing Amounts of Money	
To compare different amounts of money using coins.	
Lesson 8 – Calculating Total Amount	
To add money together to determine the total amount.	
Lesson 9 – Calculating Change	
To calculate change from £100 or less; to use the bar model approach to represent amounts of money.	
Lesson 10 – Solving Word Problems	
To solve more complex word problems using bar modelling as a primary method.	
Lesson 11 – Chapter End	
<b>Chapter 11 – Two-Dimensional Shapes</b>	
Lesson 1 – Identifying Sides	
To identify the number of sides on basic 2-D shapes.	
Lesson 2 – Identifying Vertices	
To identify and count the vertices in regular polygons.	
Lesson 3 – Identifying Lines of Symmetry	
To identify lines of symmetry in basic 2-D shapes.	
Lesson 4 – Making Figures	
To construct shapes using pattern blocks that have lines of symmetry.	
Lesson 5 – Sorting Shapes	
To sort shapes based on number of sides, vertices and other factors.	
Lesson 6 – Drawing Shapes	
To draw shapes using square grids and dotted grids; to copy shapes from sight into their books using grid paper.	
Lesson 7 – Making Patterns	
To recognise patterns of familiar shapes and colours of up to 3 objects.	
Lesson 8 – Describing Patterns	
To describe patterns using ordinal numbers and shape names.	
Lesson 9 – Moving Shapes	
To move shapes on a square grid from one position to another using common language.	
Lesson 10 – Turning Shapes	
To turn objects using quarter, half and three-quarter turns both clockwise and anticlockwise on a square grid.	
Lesson End – Mind Workout	
<b>Chapter 12 – Three-Dimensional Shapes</b>	
Lesson 1 – Recognising Three-Dimensional Shapes	
To recognise 3-D shapes by identifying their properties.	
Lesson 2 – Describing Three-Dimensional Shapes	
To describe 3-D shapes and classify them using faces, vertices and edges.	
Lesson 3 – Describing Three-Dimensional Shapes	
To describe 3-D shapes based on the number of faces and 2-D make ups; to construct nets of shapes into 3-D shapes.	
Lesson 4 – Grouping Three-Dimensional Shapes	
To group 3-D shapes by similar properties.	
Lesson 5 – Forming Three-Dimensional Structures	
To form 3-D structures using multiple 3-D objects.	
Lesson 6 – Making Patterns	

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	To make and recognise patterns using 3-D shapes.	
	Lesson 7 – Chapter End	
Summer 1	<b>Chapter 13 – Fractions</b>	
	Lesson 1 – Making Equal Parts	
	To make equal parts from a whole using simple and complex methods.	
	Lesson 2 – Showing Half and Quarter	
	To show and recognise halves and quarters.	
	Lesson 3 – Showing Quarters	
	To show and identify more than one quarter using materials and pictures.	
	Lesson 4 – Showing Thirds	
	To show and identify thirds in shapes; to use the vocabulary 'numerator' and 'denominator' when referring to fractions.	
	Lesson 5 – Naming Fractions	
	To identify and name fractions by looking at the number of pieces and how many are shaded in.	
	Lesson 6 – Making Equal Fractions	
	To recognise equivalent fractions in quarters, thirds and halves.	
	Lesson 7 – Comparing and Ordering Fractions	
	To compare and order similar fractions by looking at the size of the pieces shaded.	
	Lesson 8 – Comparing and Ordering Fractions	
	To compare and order fractions with different denominators.	
	Lesson 9 – Counting Wholes and Parts	
	To count the number of wholes and parts to form mixed numbers.	
	Lesson 10 – Counting in Halves	
	To count in halves and place halves onto a number line using pictures.	
Lesson 11 – Counting in Quarters		
To count in quarters and place quarters onto a number line using pictures.		
Lesson 12 – Counting in Thirds		
To count in thirds and place thirds onto a number line using pictures.		
Lesson 13 – Finding Part of a Set		
To find fractions (half) of whole numbers.		
Lesson 14 – Finding Part of a Set		
To find a fraction (third) of a whole number.		
Lesson 15 – Finding Part of a Set		
To find a fraction (quarter) of a number.		
Lesson 16 – Finding Part of a Quantity		
To find a fraction (half, third, quarter) of a quantity (length).		
Chapter End – Mind Workout		
Summer 2	<b>Chapter 14 – Time</b>	
	Lesson 1 – Telling and Writing Time to 5 Minutes	
	To tell and write time to 5-minute intervals.	
	Lesson 2 – Telling and Writing Time	
	To tell time to 5-minute intervals and to the hour.	
	Lesson 3 – Sequencing Events	
	To sequence events of the day looking at analogue clocks and picture clues.	
Lesson 4 – Drawing Clock Hands		
To draw hands on an analogue clock to show correct time.		

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Lesson 5 – Finding Durations of Time	
To find the duration of time using an analogue clock in 30- and 60-minute intervals.	
Lesson 6 – Finding Durations of Time	
To find the duration of time to 5-minute intervals.	
Lesson 7 – Finding Ending Times	
Find the ending of a duration of time from different 5-minute starting points.	
Lesson 8 – Finding Ending Times	
To find the ending time in intervals of 5 minutes from delayed starts.	
Lesson 9 – Finding Starting Times	
To find the starting time from 30-minute and 1-hour interval durations.	
Lesson 10 – Finding Starting Times	
To find the start of multiple durations of time using a common end.	
Lesson 11 – Comparing Time	
To compare durations of time from the least amount to the most amount of time and vice versa.	
Lesson 12 – Chapter End	
<b>Chapter 15 – Volume</b>	
Lesson 1 – Comparing Volume	
To compare volume in different-sized containers using the terms 'greater than,' 'less than,' 'greatest' and 'least.'	
Lesson 2 – Comparing Volume	
To compare the volume of different containers using non-standard units.	
Lesson 3 – Measuring Volume in Litres	
To measure volume using litres and determine whether an amount is 'more than,' 'less than' or 'equal to' a litre.	
Lesson 4 – Measuring Volume in Millilitres	
To measure volume using millilitres and litres; to determine how many ml there are in 1 l.	
Lesson 5 – Solving Word Problems	
To solve word problems involving bar models with litres as the standard unit.	
Lesson 6 – Solving Word Problems	
To solve word problems using ml and l, including problems involving difference.	
Lesson 7 – Solving Word Problems	
To solve word problems involving volume and multiplication.	
Chapter End – Mind Workout	
<b>Total = 63 Textbook A and 68 Textbook B (excluding Mind Workouts)</b>	
<b>131 lessons in total</b>	