

Year 2 Maths- Medium Term Planning



Lesson 1 -	Lessons in black are key lessons that have to be taught
Lesson 2 -	Lessons in brown are lessons that can be combined into one or another key lesson
Lesson 4 -	Lessons in grey are lessons that can be taught if time allows to consolidate, these resources can be used to support the delivery of white days/journaling



Year 2 Lesson Breakdown

Number and Place Value: Numbers to 100

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 1 - NUMBERS to 100	Lesson 1 - Counting to 100	To count NUMBERS up to 100 using concrete objects: counting up by ones and tens.
	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 use the NUMBER bond strategy to deepen understanding of place value.
	Lesson 5 - NUMBER Patterns	To count in ones and tens; to introduce boundary crossing using tens and ones.
	Lesson 6 - NUMBER Patterns	To recognise and describe patterns with MORE COMPLEX NUMBERS, in particular 3 and 5.



Year 2 Lesson Breakdown

Calculations: Addition and Subtraction

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 2 - Addition and Subtraction	Lesson 1 - SIMPLE Adding	To be able to add a 1-digit NUMBER to a 2-digit NUMBER without regrouping the ones.
	Lesson 2 - SIMPLE Adding	To add tens by recognising its relationship to adding ones.
	Lesson 3 - SIMPLE Adding	To add 2-digit NUMBERS where one is a MULTIPLE of 10.
	Lesson 4 - SIMPLE Adding	To add with tens and ones where the ones are both MORE than zero.
	Lesson 5 - Adding with RENAMING	To add 1-digit NUMBERS to a 2-digit NUMBER resulting in RENAMING of ones.
	Lesson 6 - Adding with RENAMING	To add two 2-digit NUMBERS where RENAMING is expected.
	Lesson 7 - SIMPLE Subtracting	To subtract ones FROM a 2-digit NUMBER.
	Lesson 8 - SIMPLE Subtracting	To subtract 2-digit MULTIPLES of 10 FROM 2-digit MULTIPLES of 10.
	Lesson 9 - SIMPLE Subtracting	To subtract tens FROM a 2-digit NUMBER with the ones being MORE than zero.
	Lesson 10 - SIMPLE Subtracting	To subtract a 2-digit NUMBER by another 2-digit NUMBER.
	Lesson 11 - Subtraction FROM Multiples of 10	To subtract within 100 by applying related 1-digit addition and subtraction facts.
	Lesson 12 - Subtracting with RENAMING	To subtract a 2-digit NUMBER by a 1-digit NUMBER with RENAMING.
	Lesson 13 - Subtracting with RENAMING	To subtract a 2-digit NUMBER by another 2-digit NUMBER where RENAMING has to occur.
	Lesson 14 - Addition of Three NUMBERS	To add three 1-digit NUMBERS.



Year 2 Lesson Breakdown

Calculations: Multiplication of 2, 5 and 10

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 3 - Multiplication of 2, 5 and 10	Lesson 1 - Multiplication as Equal Groups	To realise that 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 use concrete MATERIALS and pictorial representations to MULTIPLY by 2.
	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 recall and use the 5 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 further investigate COMMUTATIVE law.
	Lesson 10 - Solving Word PROBLEMS	To use the 2, 5 and 10 TIMES tables to solve word PROBLEMS.



Year 2 Lesson Breakdown

Calculations: Multiplication and Division of 2, 5 and 10

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 4 - Multiplication and Division of 2, 5 and 10	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	To be able to divide by 10 and identify links with MULTIPLYING by 10.
	Lesson 6 - Multiplication and Division	To use MULTIPLICATION and division skills to identify FAMILY facts in a NUMBER sentence.
	Lesson 7 - Solving Word PROBLEMS	To 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.



Year 2 Lesson Breakdown

Measurement: Length

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 5 - Length	Lesson 1 - Measuring Length in Metres	To MEASURE length in METRES.
	Lesson 2 - Measuring Length in CENTIMETRES	To MEASURE length in CENTIMETRES.
	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 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.



Year 2 Lesson Breakdown

Measurement: Mass

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 6 - Mass	Lesson 1 - Measuring Mass in KILOGRAMS	To understand that MASS is MEASURED in KILOGRAMS and by using weighing 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 weighing scales.
	Lesson 4 - COMPARING Mass of Two Objects	To be able to COMPARE the MASS of two different objects accurately.
	Lesson 6 - Solving Word PROBLEMS	To solve word PROBLEMS in the context of MASS.
	Lesson 7 - Solving More Word PROBLEMS	To solve word PROBLEMS involving MASS.



Year 2 Lesson Breakdown

Measurement: Temperature

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 7 - TEMPERATURE	Lesson 1 - Reading TEMPERATURE	To be able to accurately read TEMPERATURE in Celsius.
	Lesson 2 - ESTIMATING TEMPERATURE	To be able to ESTIMATE TEMPERATURE and to read THERMOMETERS to CONFIRM the ESTIMATE.



Year 2 Lesson Breakdown

Statistics: Pictograms

Maths – No Problem!

Book Reference

Chapter 8

- PICTOGRAMS

Lesson Name	Lesson Objective
Lesson 1 - Reading PICTOGRAMS	To be able to read a picture graph with confidence.
Lesson 2 - Reading PICTOGRAMS	To be able to read and interpret a picture graph with confidence.
Lesson 3 - Reading PICTOGRAMS	To be able to read and interpret a picture graph where the value of the picture can represent more than 1.
Lesson 4 - Reading PICTOGRAMS	To be able to read and interpret a picture graph where the value of the picture can represent more than 1.
Lesson 5 - Reading PICTOGRAMS	To be able to read, interpret and create a picture graph where the value of the picture can represent more than 1.



Year 2 Lesson Breakdown

Calculations: More Word Problems

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 9 - More Word PROBLEMS	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 the difference between two AMOUNTS.
	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.

The lesson breakdown for Textbook 2B is provisional and MAY be subject to change.



Year 2 Lesson Breakdown

Measurement: Money

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 10 - Money	Lesson 1 - Writing AMOUNTS of Money	To identify standard UK coins and notes and write their NAMES.
	Lesson 2 - Counting Money Using Notes	To count notes in sequences of 5 and 10; to recognise the value of notes by appearance.
	Lesson 3 - Counting Money Using Coins	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	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.



Year 2 Lesson Breakdown

Geometry - Properties of Shapes: 2D Shapes

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 11 - 2D Shapes	Lesson 1 - Identifying Sides	To identify the NUMBER of sides on basic 2D 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 2D 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 7 - Making Patterns	To recognise patterns of FAMILIAR shapes and colours of up to three objects.
	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.



Year 2 Lesson Breakdown

Geometry - Properties of Shapes: 3D shapes

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 12 - 3D Shapes	Lesson 1 - Recognising 3D Shapes	To recognise 3D shapes by identifying their properties.
	Lesson 2 - Describing 3D Shapes	To describe 3D shapes and classify THEM using faces, vertices and edges.
	Lesson 4 - Grouping 3D Shapes	To group 3D shapes by SIMILAR properties.
	Lesson 5 - FORMING 3D Structures	To FORM 3D structures using MULTIPLE 3D objects.
	Lesson 6 - Making Patterns	To MAKE and recognise patterns using 3D shapes.



Year 2 Lesson Breakdown

Fractions: Fractions

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 13 - Fractions	Lesson 1 - Showing 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.



Year 2 Lesson Breakdown

Fractions: Fractions

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 13 - Fractions	Lesson 6 - Making a Whole	To be able to recognise pairs of fractions that add up to a whole.
	Lesson 9 - Counting in Thirds	To count in thirds and place thirds onto a NUMBER line using pictures.
	Lesson 10 - Finding Part of a Set	To find fractions (half) of whole NUMBERS.
	Lesson 11 - Finding Part of a Set	To find a fraction (third) of a whole NUMBER.
	Lesson 12 - Finding Part of a Set	To find a fraction (quarter) of a NUMBER.
	Lesson 13 - Finding Part of a Quantity	To find a fraction (half, third, quarter) of a quantity (length).



Year 2 Lesson Breakdown

Measurement: Time

Maths – No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 14 - TIME	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 by looking at analogue clocks and pictures.
	Lesson 4 - Drawing Clock Hands	To draw hands on an analogue clock to show the correct TIME.



Year 2 Lesson Breakdown

Measurement: Volume

Maths — No Problem! Book Reference	Lesson Name	Lesson Objective
Chapter 15 - VOLUME	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.

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