## Primary Maths Series, New Edition Scheme of Work - Year 5

The New Edition of the Maths - No Problem! Primary Maths Series is fully aligned to the 2014 English national curriculum for maths and subsequent non-statutory guidance. This Scheme of Work outlines the content and topic order within Year 5 and indicates the level of depth needed to teach maths for mastery. It can also help you and your school to plan and monitor progress.

## A tried and tested structure

Unlike many free schemes of work, the Maths - No Problem! syllabus is based on the model developed in Singapore, which has been tested and refined over the last 30 years.

- Founded on the learning theories of Piaget, Dienes, Bruner, Skemp and Vygotsky.
- Reviewed by an expert team of consultants, including Dr Julie Alderton from Cambridge University and Dr Wong Khoon Yoong, former Head of Mathematics and Mathematics Education at the National Institute of Education, Singapore.
- Fully aligned with the 2014 English national curriculum for maths and the latest ready-to-progress guidance.


## How to use our scheme of work

Our scheme of work demonstrates the spiral approach used in our programme, which builds pupils' depth of understanding and mathematical fluency without the need for rote learning. Learning is presented in small-step, logical sequences organised into individual lessons with a title indicating the focus of learning for that lesson. The sequence of lessons is carefully organised with clear lines of progression.

## This scheme of work provides:

- An overview of the national curriculum topics covered during the school year by term.
- A full lesson breakdown for each national curriculum topic and the learning objective for each lesson.

The topics are colour coded to reflect the national curriculum content domain strands This also allows you to see when the different topics are introduced and revisited.
Please note that the time allocated to each topic is only provided as a guide and is not meant to be prescriptive. The concepts are broken down into a number of lessons, which offer small-step progression for the most struggling of learners. As such, teachers can use their professional judgement to combine two consecutive lessons into one session as appropriate for their learners. Though teachers can merge lessons within a chapter, we do not recommend skipping or combining chapters.

## What other support is available

The scheme of work provides a researched structure, which is ideal for teachers who are confident teaching maths for mastery and have received Maths - No Problem! professional development.
Schools that don't always have the time to create their own lesson content should consider using our Primary Maths Series textbooks and workbooks. The series provides carefully varied exercises, which are designed to deepen pupils understanding, and is complemented by online Teacher Guides, which provides a step-by-step guide to each lesson, including assessment and differentiation support.

For a free demo of our Primary Maths Series go to www.mathsnoproblem.com/demo

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## Primary Maths Series - Year 5 at a Glance

|  | AUTUMN TERM | SPRING TERM | SUMMER TERM |
| :---: | :---: | :---: | :---: |
| Week 1 | Number and Place Value: | Fractions, Decimals and Percentages: Fractions LESSON BREAKDOWN | Geometry - Position and Direction: Position and Movement LESSON BREAKDOWN |
| Week 2 | LESSON BREAKDOWN |  | Measurement: Measurements LESSON BREAKDOWN |
| Week 3 | Calculations: <br> Addition and Subtraction <br> LESSON BREAKDOWN |  |  |
| Week 4 |  |  |  |
| Week 5 |  | Mid-year (A) Tests and Remediation | Measurement: Area and Perimeter LESSON BREAKDOWN |
| Week 6 | Calculations: <br> Multiplication and Division <br> LESSON BREAKDOWN | Fractions, Decimals and Percentages: Decimals LESSON BREAKDOWN |  |
| Week 7 |  |  |  |
| Week 8 |  |  | Measurement: Volume |
| Week 9 |  | Fractions, Decimals and Percentages: Percentage LESSON BREAKDOWN | LESSON BREAKDOWN |
| Week 10 | Calculations: Word Problems LESSON BREAKDOWN | Geometry - <br> Properties of Shapes: Geometry <br> LESSON BREAKDOWN | Number and Place Value: Roman Numerals <br> LESSON BREAKDOWN |
| Week 11 | Statistics: Graphs <br> LESSON BREAKDOWN |  | Review and Revision |
| Week 12 |  |  | End-of-year (B) Tests and Remediation |

## Primary Maths Series - Year 5 Lesson Breakdown

| Autumn Term - Textbook 5a |  |  |
| :---: | :---: | :---: |
| Number and Place Value: Numbers to 1000000 |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 1 <br> - Numbers to <br> 1000000 | Lesson 1 - Reading and Writing Numbers to 100000 | To read and represent numbers to 100000. |
|  | Lesson 2 - Reading and Writing Numbers to 1000000 | To read and represent numbers to 1000000. |
|  | Lesson 3 - Reading and Writing Numbers to 1000000 | To read and represent numbers to 1000000 using number discs. |
|  | Lesson 4 - Comparing Numbers to 1000000 | To compare numbers to 1000000 using place value. |
|  | Lesson 5 - Comparing Numbers to 1000000 | To compare numbers to 1000000 using place value. |
|  | Lesson 6 - Comparing Numbers to 1000000 | To compare numbers to 1000000 using pictorial representations and proportionality. |
|  | Lesson 7 - Comparing Numbers to 1000000 | To compare numbers to 1000000 from pictorial representations, using lists and number lines. |
|  | Lesson 8 - Making Number Patterns | To make and identify patterns in numbers using knowledge of place value. |
|  | Lesson 9 - Making Number Patterns | To make number patterns that decrease in multiples of 10000 or 100000. |
|  | Lesson 10 - Rounding Numbers to the Nearest 10000 | To round numbers to the nearest 10000 using number lines and bar graphs. |
|  | Lesson 11 - Rounding Numbers to the Nearest 100000 | To round numbers to the nearest 100000 using number lines and bar graphs. |
|  | Lesson 12 - Rounding Numbers | To round numbers to the nearest 100, 1000, 10000 and 100000 using number lines. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |
|  | 1 consolidation day | To be used if lessons take longer than expected or a topic needs to be revisited. |

## Primary Maths Series - Year 5 Lesson Breakdown

| Autumn Term - Textbook 5a |  |  |
| :---: | :---: | :---: |
| Calculations: Addition and Subtraction |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 2 <br> - Whole Numbers: <br> Addition and <br> Subtraction | Lesson 1 - Counting On to Add | To add using the 'counting on' strategy with concrete materials and number lines. |
|  | Lesson 2 - Adding within 1000000 | To add numbers within 1000000 using rounding. |
|  | Lesson 3 - Adding within 1000000 | To add numbers within 1000000 using the column method of addition. |
|  | Lesson 4 - Adding within 1000000 | To consolidate and refine addition skills and place-value knowledge to solve addition problems. |
|  | Lesson 5 - Counting Backwards to Subtract | To subtract using the 'counting backwards' strategy with concrete materials. |
|  | Lesson 6 - Subtracting within 1000000 | To subtract using the column method and number discs using numbers to 1000000. |
|  | Lesson 7 - Subtracting within 1000000 | To subtract using the column method and number discs using numbers to 1000000. |
|  | Lesson 8 - Subtracting within 1000000 | To subtract numbers to 1000000 using the column method and number discs using numbers to 1000000 . |
|  | Lesson 9 - Adding and Subtracting within 1000000 | To use addition and subtraction to solve comparison problems with numbers to 1000000. |
|  | Lesson 10 - Adding and Subtracting within 1000000 | To consolidate and refine addition and subtraction skills and place-value knowledge to solve problems. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |

## Primary Maths Series - Year 5 Lesson Breakdown

| Autumn Term - Textbook 5a |  |  |
| :---: | :---: | :---: |
| Calculations: Multiplication and Division |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 3 Whole Numbers: Multiplication and Division | Lesson 1 - Finding Multiples | To consolidate and review multiplication; to find the result of multiplying by a number. |
|  | Lesson 2 - Finding Factors | To consolidate and review multiplication; to find the numbers we can multiply by to get a number. |
|  | Lesson 3 - Finding Common Factors | To define and find common factors of numbers to 100. |
|  | Lesson 4 - Finding Prime Numbers | To identify and name the prime numbers; to recognise prime numbers as numbers that only have 2 factors. |
|  | Lesson 5 - Prime Numbers and Composite Numbers | To define and determine prime numbers and composite numbers. |
|  | Lesson 6 - Finding Square and Cube Numbers | To create and determine square and cubed numbers. |
|  | Lesson 7 - Multiplying by 10,100 and 1000 | To multiply 1- and 2-digit numbers by 10, 100 and 1000. |
|  | Lesson 8 - Multiplying 2-Digit or 3-Digit Numbers by a Single Digit | To multiply 2 - and 3 -digit numbers by a 1 -digit number using multiple strategies. |
|  | Lesson 9 - Multiplying 4-Digit Numbers | To multiply 4-digit numbers by 1-digit numbers. |
|  | Lesson 10 - Multiplying 4-Digit Numbers | To multiply 4-digit numbers by 1-digit numbers with regrouping, using a variety of strategies. |
|  | Lesson 11 - Multiplying 4-Digit Numbers | To multiply a 4-digit number by a 1-digit number, with regrouping from the ones, tens and hundreds, using multiple methods. |
|  | Lesson 12 - Multiplying a 2-Digit Number by a 2-Digit Number | To multiply 2-digit numbers by 2-digit numbers using multiple methods. |
|  | Lesson 13 - Multiplying a 2-Digit Number by a 2-Digit Number | To multiply a 2-digit number by a 2-digit number using multiple methods, including the grid method, number bonds and column method, with regrouping. |
|  | Lesson 14 - Multiplying a 3-Digit Number by a 2-Digit Number | To multiply a 3-digit number by a 2-digit number, with the grid method and column method as key strategies. |

## Primary Maths Series - Year 5 Lesson Breakdown

| Autumn Term - Textbook 5a |  |  |
| :--- | :--- | :--- |
| Calculations: Multiplication and Division (continued) |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 3- <br> Whole Numbers: <br> Multiplication <br> and Division | Lesson 15 - Multiplying a 3-Digit <br> Number by a 2-Digit Number | To multiply a 3-digit number by a 2-digit number with regrouping, using the column method as the key strategy. |
|  | Lesson 16 - Dividing by 10, 100 <br> and 1000 | To find thousands, hundreds and tens in a 4-digit number using concrete materials. |
|  | Lesson 17 - Dividing without <br> Remainder | To divide 3- and 4-digit numbers by 1-digit numbers, using number bonds and long division as the key methods. |
| Lesson 18- Dividing without <br> Remainder | To divide 4-digit numbers by 1-digit numbers, using number bonds and long division as the key methods. |  |
| Lesson 19 - Dividing with <br> Remainder | To divide 3-digit numbers by 1-digit numbers, using long division, short division and mental methods, that give rise <br> to remainders. |  |
| Chapter consolidation To practise various concepts covered in the chapter. |  |  |

## Primary Maths Series - Year 5 Lesson Breakdown

| Autumn Term - Textbook 5a |  |  |
| :--- | :--- | :--- |
| Calculations: Word Problems |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 4 <br> - Whole Numbers: <br> Word Problems | Lesson 1 - Solving Word Problems <br> using Multiplication and Division | To solve word problems involving multiple operations; to identify the operation needed to carry out the plan. |
|  | Lesson 2 - Solving Word Problems <br> Using Bar Models | To solve word problems involving multiplication and division using bar models as the main heuristic. |
|  | Lesson 3 - Solving Multi-Step <br> Word Problems | To solve word problems involving multiple operations, identifying key information and representing information using bar <br> model diagrams. |
|  | Lesson 4 - Solving Multi-Step <br> Word Problems | To solve word problems involving multiple operations, using bar models as they key heuristic to represent key information. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |

## Primary Maths Series - Year 5 Lesson Breakdown

| Autumn Term - Textbook 5a |  |  |
| :---: | :---: | :---: |
| Statistics: Graphs |  |  |
| Maths — No Problem! Book Reference | Lesson Name | Lesson Objective |
| Chapter 5 <br> - Graphs | Lesson 1 - Reading Tables | To read the information presented in a table and interpret its meaning. |
|  | Lesson 2 - Reading Tables | To read and respond to information presented in a table. |
|  | Lesson 3 - Reading Tables | To read and respond to tables that have a variety of data sets. |
|  | Lesson 4 - Reading Line Graphs | To read and interpret information provided in a line graph where a single line represents the data. |
|  | Lesson 5 - Reading Line Graphs | To read and interpret information presented on a line graph where the data is represented by more than one line. |
|  | Lesson 6 - Reading Line Graphs | To read and interpret information presented on a line graph where the data is represented by more than one line. |
|  | Lesson 7 - Reading Line Graphs | To read and interpret information presented in a table and turn it into a line graph; to determine relationships between data sets. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |
|  | 2 consolidation days | To be used if lessons take longer than expected or a topic needs to be revisited. |

## Primary Maths Series - Year 5 Lesson Breakdown

| Spring Term - Textbook 5a |  |  |
| :---: | :---: | :---: |
| Fractions, Decimals and Percentages: Fractions |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 6 <br> - Fractions | Lesson 1 - Dividing to Make Fractions | To divide whole numbers to create fractions; to create mixed numbers and improper fractions when dividing whole numbers. |
|  | Lesson 2 - Writing Improper Fractions and Mixed Numbers | To write improper fractions and mixed numbers using a number line and pictorial methods. |
|  | Lesson 3 - Finding Equivalent Fractions | To find equivalent fractions using pictorial methods. |
|  | Lesson 4 - Comparing and Ordering Fractions | To compare and order fractions using the pictorial method. |
|  | Lesson 5 - Comparing and Ordering Improper Fractions | To compare and order improper fractions using the pictorial method. |
|  | Lesson 6 - Comparing and Ordering Mixed Numbers | To compare mixed numbers using pictorial representations; to find common denominators where one fraction is already the common denominator for all fractions in the question. |
|  | Lesson 7 - Making Number Pairs | To make number pairs (number bonds) with fractions with different denominators. |
|  | Lesson 8 - Adding Fractions | To add unlike fractions by finding a common denominator using pictorial methods. |
|  | Lesson 9 - Adding Fractions | To add unlike fractions by finding a common denominator using pictorial methods. |
|  | Lesson 10 - Adding Fractions | To add together unlike fractions where the sum is greater than 1, creating mixed numbers or improper fractions. |
|  | Lesson 11 - Adding Fractions | To add unlike fractions which create improper fractions and mixed numbers that give rise to simplification. |
|  | Lesson 12 - Subtracting Fractions | To subtract fractions with different denominators; to subtract fractions from whole numbers. |
|  | Lesson 13 - Subtracting Fractions | To subtract fractions where the denominators are not the same; to use bar models as a key strategy for subtracting fractions. |
|  | Lesson 14 - Subtracting Fractions | To subtract fractions and mixed numbers from mixed numbers with different denominators. |
|  | Lesson 15 - Multiplying Whole Numbers by Proper Fractions | To multiply fractions by whole numbers creating other fractions, mixed numbers or improper fractions. |

## Primary Maths Series - Year 5 Lesson Breakdown

| Spring Term - Textbook 5a |  |  |
| :--- | :--- | :--- |
| Fractions, Decimals and Percentages: Fractions (continued) |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 6 <br> - Fractions | Lesson 16 - Multiplying Proper <br> Fractions and Whole Numbers | To multiply fractions by whole numbers where the product is an improper fraction or mixed number. |
|  | Lesson 17 - Multiplying Mixed <br> Numbers and Whole Numbers | To multiply mixed numbers by whole numbers, creating larger mixed numbers. |
|  | Lesson 18 - Multiplying Mixed <br> Numbers and Whole Numbers | To multiply mixed numbers by whole numbers in multi-step word problems. |
| Chapter consolidation | To practise various concepts covered in the chapter. |  |
| Week 5 consolidation day | To be used if lessons take longer than expected or a topic needs to be revisited. |  |

## Primary Maths Series - Year 5 Lesson Breakdown

| Spring Term - Textbook 5b |  |  |
| :---: | :---: | :---: |
| Fractions, Decimals and Percentages: Decimals |  |  |
| Maths - No Problem! Book Reference | Lesson Name | Lesson Objective |
| Chapter 7 <br> - Decimals | Lesson 1 - Writing Decimals | To write decimal numbers. |
|  | Lesson 2 - Reading and Writing Decimals | To read and write decimals. |
|  | Lesson 3 - Reading and Writing Decimals | To read and write decimals. |
|  | Lesson 4 - Comparing Decimals | To compare tenths and hundredths written as decimals. |
|  | Lesson 5 - Comparing Decimals | To order and compare decimals. |
|  | Lesson 6 - Comparing Decimals | To compare and order decimals of amounts. |
|  | Lesson 7 - Writing Fractions as Decimals | To write fractions as decimals. |
|  | Lesson 8 - Adding and Subtracting Decimals | To add and subtract amounts in decimals. |
|  | Lesson 9 - Adding and Subtracting Decimals | To add and subtract decimals; to add and subtract amounts in pounds and pence. |
|  | Lesson 10 - Adding and Subtracting Decimals | To add and subtract amounts in pounds and pence. |
|  | Lesson 11 - Adding and Subtracting Decimals | To add and subtract decimals; to add and subtract amounts in pounds and pence. |
|  | Lesson 12 - Adding and Subtracting Decimals | To add and subtract decimals to find the smallest possible sum and difference. |
|  | Lesson 13 - Adding and Subtracting Decimals | To add and subtract decimals; to find number pairs that add up to 1. |
|  | Lesson 14 - Adding and Subtracting Decimals | To add and subtract the perimeter of an object using decimals. |
|  | Lesson 15 - Rounding Decimals | To round decimals to the nearest whole number; to round numbers to nearest tenth. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |

The lesson breakdown for Textbook 5B is provisional and may be subject to minor changes.

## Primary Maths Series - Year 5 Lesson Breakdown

| Spring Term - Textbook 5b |  |  |
| :--- | :--- | :--- |
| Fractions, Decimals and Percentages: Percentage |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 8 <br> - Percentage | Lesson 1 - Comparing Quantities | To compare quantities; to compare fractions, decimals and percentages; to convert fractions to decimals and percentages. |
|  | Lesson 2 - Finding Percentages | To convert values of an amount into percentages; to convert fractions into percentages. |
|  | Lesson 3-Finding Percentages | To convert values of an amount into percentages; to convert fractions into percentages. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |
|  | 1 consolidation day | To be used if lessons take longer than expected or a topic needs to be revisited. |

The lesson breakdown for Textbook 5B is provisional and may be subject to minor changes.

## Primary Maths Series - Year 5 Lesson Breakdown

| Spring Term - Textbook 5b |  |  |
| :---: | :---: | :---: |
| Geometry - Properties of Shapes: Geometry |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 9 <br> - Geometry | Lesson 1 - Knowing Types of Angles | To know the names and qualities of acute, right, obtuse and reflex angles. |
|  | Lesson 2 - Measuring Angles | To measure angles using a protractor. |
|  | Lesson 3 - Measuring Angles | To draw, measure and add angles using a protractor. |
|  | Lesson 4 - Investigating Angles on a Line | To measure angles using a protractor; to identify two angles which add up to 180 degrees on a straight line. |
|  | Lesson 5 - Investigating Angles at a Point | To investigate angles that, when combined, make 360 degrees. |
|  | Lesson 6 - Drawing Angles | To draw angles using a protractor. |
|  | Lesson 7 - Drawing Lines and Angles | To draw lines and angles with a high level of accuracy. |
|  | Lesson 8 - Describing Squares and Rectangles | To describe the sides and angles of both rectangles and squares. |
|  | Lesson 9 - Investigating Angles in Squares and Rectangles | To investigate the angles of various quadrilaterals, including squares and rectangles. |
|  | Lesson 10 - Solving Problems Involving Angles in Rectangles | To solve problems involving angles in rectangles. |
|  | Lesson 11 - Solving Problems Involving Angles | To solve problems involving angles. |
|  | Lesson 12 - Solving Problems Involving Angles | To use our understanding of angles to solve problems. |
|  | Lesson 13 - Investigating Regular Polygons | To investigate regular polygons. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |
|  | 1 consolidation day | To be used if lessons take longer than expected or a topic needs to be revisited. |

The lesson breakdown for Textbook 5B is provisional and may be subject to minor changes.

## Primary Maths Series - Year 5 Lesson Breakdown

| Summer Term - Textbook 5b |  |  |
| :--- | :--- | :--- |
| Geometry - Position and Direction: Position and Movement |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 10 <br> - Position and <br> Movement | Lesson 1 - Naming and <br> Plotting Points | To name and plot points. |
|  | Lesson 2 - Describing Translations | To describe the position of a shape following a translation. |
|  | Lesson 3 - Describing Movements | To describe movements and reflecting shapes. |
|  | Lesson 5 - Successive Reflections | To reflect a shape more than once. |
|  | To practise various concepts covered in the chapter. |  |

The lesson breakdown for Textbook 5B is provisional and may be subject to minor changes.

## Primary Maths Series - Year 5 Lesson Breakdown

| Summer Term - Textbook 5b |  |  |
| :---: | :---: | :---: |
| Measurement: Measurements |  |  |
| Maths - No Problem! Book Reference | Lesson Name | Lesson Objective |
| Chapter 11 Measurements | Lesson 1 - Converting Units of Length | To convert units of length. |
|  | Lesson 2 - Converting Units of Length | To convert units of length, including centimetres and metres. |
|  | Lesson 3 - Converting Units of Length | To convert units of length. |
|  | Lesson 4 - Converting Units of Length | To solve problems by converting units of length. |
|  | Lesson 5 - Converting Units of Mass | To convert units of mass. |
|  | Lesson 6 - Converting Units of Mass | To convert units of mass, including grams into kilograms. |
|  | Lesson 7 - Converting Units of Mass | To convert units of mass. |
|  | Lesson 8 - Converting Units of Mass | To convert units of mass, including kilograms and pounds. |
|  | Lesson 9 - Converting Units of Time | To convert units of time. |
|  | Lesson 10 - Converting Units of Time | To convert units of time from days into weeks and months. |
|  | Lesson 11 - Converting Units of Time | To convert units of time. |
|  | Lesson 12 - Converting Units of Time | To solve problems by converting units of time. |
|  | Lesson 13 - Converting Units of Time | To convert units of time. |
|  | Lesson 14 - Telling the Temperature | To read the temperature on a thermometer. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |

The lesson breakdown for Textbook 5B is provisional and may be subject to minor changes.

## Primary Maths Series - Year 5 Lesson Breakdown

| Summer Term - Textbook 5b |  |  |
| :---: | :---: | :---: |
| Measurement: Area and Perimeter |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 12 <br> - Area and Perimeter | Lesson 1 - Finding the Perimeter | To find the perimeter of shapes. |
|  | Lesson 2 - Finding the Perimeter | To find shapes with a specific perimeter. |
|  | Lesson 3 - Finding the Perimeter | To find the perimeter of different shapes. |
|  | Lesson 4 - Using Scale Diagrams to Find the Perimeter | To use scale diagrams to find the perimeter of a shape. |
|  | Lesson 5 - Measuring the Area | To measure the area of shapes by counting squares. |
|  | Lesson 6 - Measuring the Area | To measure the area of squares. |
|  | Lesson 7 - Measuring the Area | To measure the area of a shape. |
|  | Lesson 8 - Measuring the Area | To measure area in square metres. |
|  | Lesson 9 - Measuring the Area | To measure area in square metres. |
|  | Lesson 10 - Measuring the Area | To find the area of shapes in square metres. |
|  | Lesson 11 - Estimating the Area | To make an estimation of area in kilometres. |
|  | Chapter consolidation | To practise various concepts covered in the chapter. |
|  | 3 consolidation days | To be used if lessons take longer than expected or a topic needs to be revisited. |

The lesson breakdown for Textbook 5B is provisional and may be subject to minor changes.

## Primary Maths Series - Year 5 Lesson Breakdown

| Summer Term - Textbook 5b |  |  |
| :--- | :--- | :--- |
| Measurement: Volume |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 13 <br> - Volume | Lesson 1 - Understanding the <br> Volume of Solids | To understand the volume of solids. |
| Lesson 2 - Finding the Volume <br> of Solids | To find the volume of 3-D shapes. |  |
| Lesson 3 - Finding the Volume <br> of Solids | To find the volume of solids. |  |
| Lesson 4 - Finding the Capacity <br> of Rectangular Boxes | To find the capacity of a cuboid. |  |
| Lesson 5 - Finding the Capacity <br> of Rectangular Boxes | To find the capacity of rectangular boxes. |  |
| Lesson 6 - Converting Units <br> of Volume | To compare and convert units of volume. |  |
| Lesson 7 - Converting Units <br> of Volume | To convert units of volume (metric and imperial). |  |
| Lesson 8 - Converting Units <br> of Volume | To convert units of volume (metric and imperial). |  |
| Lesson 9 - Solving Word Problems <br> Involving Volume | To solve word problems involving volume. |  |
| Lesson 10 - Solving Word <br> Problems Involving Volume | To solve word problems involving volume. |  |
| Chapter consolidation To practise various concepts covered in the chapter. |  |  |
|  |  |  |

The lesson breakdown for Textbook 5B is provisional and may be subject to minor changes.

## Primary Maths Series - Year 5 Lesson Breakdown

| Summer Term - Textbook 5b |  |  |
| :--- | :--- | :--- |
| Number and Place Value: Roman Numerals |  |  |
| Maths - No Problem! <br> Book Reference | Lesson Name | Lesson Objective |
| Chapter 14   <br> - Roman Numerals Lesson 1 - Writing Roman <br> Numerals to 1000 To write Roman numerals to 1000. <br>  Lesson 2 - Writing Years <br> in Roman Numerals To write numbers in their thousands in Roman numerals. <br>  Chapter consolidation To practise various concepts covered in the chapter. <br> 2 consolidation days To be used if lessons take longer than expected or a topic needs to be revisited.  <br> Week 11 Review And Revision  <br> Week $\mathbf{1 2}$ End-Of-Year (B) Tests and Remediation  |  |  |

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