

Year 5 coverage overview

Autumn 1: 38 lessons				
1 Chapter 1: Numbers to 1 000 000				
INSET day	INSET day	Lesson 1: Reading & Writing Numbers to 100 000 To read and represent numbers to 100 000. <i>NB: Revisit expectations for consolidation/ deepening tasks</i>	Lesson 2: Reading & Writing Numbers to 1 000 000 To read and represent numbers to 1 000 000.	Lesson 3: Reading & Writing Numbers to 1 000 000 To read and represent numbers to 1 000 000 using number discs.
2 Chapter 1: Numbers to 1 000 000				
Lesson 4: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using place value.	Lesson 5: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using place value.	Lesson 6: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 using pictorial representations and proportionality.	Lesson 7: Comparing Numbers to 1 000 000 To compare numbers to 1 000 000 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.
3 Chapter 1: Numbers to 1 000 000 (FF: include rounding to the nearest 10, 100, 1000)				
Lesson 9: Making Number Patterns To make number patterns that decrease in multiples of 10 000 or 100 000.	Lesson 10 over 2 days: Rounding Numbers to the Nearest 10 000 To round numbers to the nearest 10 000 using number lines & bar graphs.	Lesson 10 over 2 days: Rounding Numbers	Lesson 11 over 2 days: Rounding Numbers to the Nearest 100 000 To round numbers to the nearest 100 000 using number lines & bar graphs. <i>NB: follow up/embed with factual fluency</i>	Lesson 11 over 2 days: Rounding Numbers
4 Chapter 1: Numbers to 1 000 000			Ch. 2: Whole Numbers: Addition & Subtraction	
Lesson 12: Rounding Numbers To round numbers to the nearest 100, 1000, 10 000 and 100 000 using number lines.	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited. <i>(NB: Model expectations for deepening tasks)</i>	Chapter 1 review and consolidation: To practise various concepts covered in the chapter.	Lesson 1: Counting On to Add To add using the 'counting on' strategy with concrete materials and number lines.	Lesson 2: Adding within 1 000 000 To add numbers within 1 000 000 using rounding.
5 Chapter 2: Whole Numbers: Addition and Subtraction (FF: include x/÷ by 10, 100, 1000)				
Lesson 3: Adding within 1 000 000 To add numbers within 1 000 000 using the column method of addition.	Lesson 4: Adding within 1 000 000 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 1 000 000 To subtract using the column method and number discs using numbers to 1 000 000.	Lesson 7: Subtracting within 1 000 000 To subtract using the column method and number discs using numbers to 1 000 000.
6 Chapter 2: Whole Numbers: Addition and Subtraction (FF: include inverse operations)				
Lesson 8: Subtracting within 1 000 000 To subtract numbers to 100000 using the column method and number discs using numbers to 1000000	Lesson 9: Adding and Subtracting within 1 000 000 To use addition and subtraction to solve comparison problems with numbers to 1000000 <i>NB: language emphasis - difference, sum, total</i>	Lesson 10: Adding and Subtracting within 1 000 000 To consolidate and refine addition and subtraction skills and place-value knowledge to solve problems.	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited. <i>NB: split between calculation and word problems.</i>	Chapter 2 review and consolidation: To practise various concepts covered in the chapter.
7 Chapter 3: Multiplication and Division (FF: include number sequences)				
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.	ADDITIONAL LESSON: Consolidate multiples and factors	Lesson 4: Finding Prime Numbers To identify & name the prime numbers; to recognise prime numbers as numbers that only have 2 factors.
8 Chapter 3: Multiplication and Division (FF: include rounding to the nearest 10, 100, 1000, etc)				
Lesson 5: Finding Prime Numbers and Composite Numbers To define & determine prime numbers and composite numbers.	Lesson 6: Finding Square and Cube Numbers To create and determine square and cube numbers.	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited.	Lesson 7: Multiplying by 10, 100 and 1000 To multiply 1- and 2-digit numbers by 10, 100 and 1000.	Lesson 8: Multiply 2-Digit & 3-Digit Numbers by 1 Digit To multiply 2- & 3-digit numbers by a 1-digit number using multiple strategies.
Half term break (Homework: all times tables and related division facts)				

Year 5 coverage overview

Autumn 2: 34 lessons				
1 Chapter 3: Multiplication and Division (Factual fluency: include factors and multiples)				
INSET day	Lesson 9: Multiplying 4-Digit Numbers To multiply 4-digit numbers by single-digit numbers.	Lesson 10: Multiplying 4-Digit Numbers To multiply 4-digit numbers by single-digit numbers with regrouping, using a variety of strategies.	Lesson 11: Multiplying 4-Digit Numbers To multiply 4-digit numbers by single-digit numbers with regrouping, from ones, tens & hundreds, using multiple methods.	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited.
2 Chapter 3: Multiplication and Division (FF: include cube/square numbers)				
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 : Multiply 2-Digit Number by a 2-Digit Number To multiply 2-digit by 2-digit numbers using multiple methods, incl.grid method, no bonds & column method, with regrouping.	Lesson 14: Multiplying a 3-Digit Number by a 2-Digit Number To multiply a 3-digit by a 2-digit number, using grid method & column method as key strategies.	Lesson 15: Multiplying a 3-Digit Number by a 2-Digit Number To multiply a 3-digit by a 2-digit number, with regrouping using the column method as the key strategy.	Consolidation day: (formal multiplication) To be used if lessons take longer than expected or a topic needs to be revisited.
3 Chapter 3: Multiplication and Division				
Lesson 16: Dividing by 10, 100 and 1000 To find thousands, hundreds and tens in a 4-digit number using concrete materials.	Lesson 17: Dividing without remainder To divide 3- and 4-digit numbers by 1-digit numbers using number bonds and long division as key methods.	Lesson 18: Dividing without remainder To divide 4-digit numbers by 1-digit numbers, using number bonds and long division as key methods.	Lesson 19: Dividing with Remainder To divide 3-digit by single-digit numbers using long division, short division and mental methods with remainders.	ADDITIONAL LESSON: Dividing without/ with remainder To divide 4-digit numbers by 1-digit numbers, using short division as key method.
4 Chapter 3: Multiplication and Division				
Consolidation day: (formal division) To be used if lessons take longer than expected or a topic needs to be revisited	Consolidation day: (formal division or multiplication) To be used if lessons take longer than expected or a topic needs to be revisited	ADDITIONAL LESSON: Word problems using multiplication and/or division. NB: Could use Power Maths or old year 4 MNP	ADDITIONAL LESSON: Word problems using multiplication and/or division. NB: Could use Power Maths or old Nfer quest.	Chapter 3 review and consolidation: To practise various concepts covered in the chapter.
5 Chapter 3: Multiplication and Division				
Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited	AUTUMN TEST: arithmetic <i>(according to school timetables)</i>	AUTUMN TEST: reasoning <i>(according to school timetables)</i>	AUTUMN TEST: reasoning <i>(according to school timetables)</i>	Chapter 5: Graphs Lesson 1: Reading Tables To read the information presented in a table and interpret its meaning.
6 Chapter 5: Graphs				
Lesson 2: Reading Tables To read and respond to information presented in a table.	Lesson 3: Reading Tables To read and respond to tables with a variety of data sets.	Lesson 4: Reading Line Graphs To read & interpret information provided in a line graph where a single line represents data.	Lesson 5: Reading Line Graphs To read & interpret the information presented in a line graph where the data is represented by more than 1 line.	Lesson 7: Reading Line Graphs To read & interpret info presented in table & turn it into a line graph; determine relationships between data sets.
7 Fraction recap pre-chapter 6: Fractions (NB: Additional lessons could be combined if time is needed)				
Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited.	Chapter 5 review and consolidation: To practise various concepts covered in the chapter.	ADDITIONAL LESSON: Recap Yr 3 Fractions: Bk 3B old book, Ch 11, L23: Finding the Fraction of a Number To consolidate finding the fraction of a whole number	ADDITIONAL LESSON: Fractions Recap year 4: Book 4A, Ch.6, Lesson 10: Adding Fractions To add fractions (simplest form).	ADDITIONAL LESSON: Fractions Recap year 4 Book 4A, Ch.6, Lesson 12: Subtracting Fractions To subtract fractions (equivalence).
Christmas holiday break (Homework: telling the time to the nearest 5 minutes; all multiplication facts to x 12)				

Year 5 coverage overview

Spring 1: 29 lessons				
1 Chapter 6: Fractions (<i>Factual fluency: include converting simple equivalent fractions</i>)				
INSET day	ADDITIONAL LESSON: Revisit simplifying/ equivalent fractions (year 4)	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.
2 Chapter 6: Fractions (<i>FF: include adding and subtracting fractions with the same denominator</i>)				
Lesson 4: Comparing and Ordering Fractions To compare and order fractions using the pictorial method.	Lesson 5: Comparing and Ordering Fractions To compare and order improper fractions using the pictorial method.	Lesson 6: Comparing and Ordering Fractions To compare mixed nos. using pictorial; to find common denominators where one fraction is already common denominator for all.	Lesson 7: Making Number Pairs To make number pairs (number bonds) with fractions with different denominators.	Consolidation day: (If needed. Could be used later in Chapter 6) To be used if lessons take longer than expected or a topic needs to be revisited.
3 Chapter 6: Fractions				
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.
4 Chapter 6: Fractions (<i>FF: include properties of 2D and 3D shapes</i>)				
Lesson 13: Subtracting Fractions To subtract fractions with denominators not the same; to use bar models for subtracting fractions.	Lesson 14: Subtracting Fractions To subtract fractions and mixed numbers from mixed numbers with different denominators.	Lesson 15: Multiplying Fractions by Whole Numbers by Proper Fractions To multiply fractions by whole numbers creating other fractions, mixed numbers or improper fractions.	Lesson 16: Multiplying Proper Fractions and Whole Numbers To multiply fractions by whole numbers where the product is an improper fraction or mixed number.	Lesson 17: Multiplying Mixed Numbers and Whole Numbers To multiply mixed numbers by whole numbers, creating larger mixed numbers.
5 Chapter 6: Fractions				
Lesson 18: Multiplying Mixed Numbers and Whole Numbers To multiply mixed numbers by whole numbers, in multi-step word problems.	Chapter 6 review and consolidation: To practise various concepts covered in the chapter.	Consolidation day: (If needed.) To be used if lessons take longer than expected or a topic needs to be revisited.	ADDITIONAL LESSON: Revisit fractions of amounts Revisit unit and non-unit fractions of amounts.	Revision and Mid-year Tests (A) Review and Remediation
6 Test, review and remediation			Chapter 7: Decimals	
Revision and Mid-year Tests (A) Review and Remediation	Revision and Mid-year Tests (A) Review and Remediation	Revision and Mid-year Tests (A) Review and Remediation	Lesson 1: Writing Decimals To write decimal numbers.	Lesson 2: Reading and Writing Decimals To read and write decimals.
Half term break (Homework: fractions of amounts)				

Year 5 coverage overview

Spring 2: 30 lessons				
1 Chapter 7: Decimals <i>(Factual fluency: include basic fractions of amounts)</i>				
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.
2 Chapter 7: 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.
3 Chapter 7: Decimals				
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 the nearest tenth.	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited.	Chapter 7 review and consolidation: To practise various concepts covered in the chapter.
4 Chapter 7: Decimals <i>(FF: include rounding decimals to the nearest whole)</i>			Chapter 8: Percentages	
SPRING TEST: arithmetic <i>(according to school timetables)</i>	SPRING TEST: reasoning <i>(according to school timetables)</i>	SPRING TEST: reasoning <i>(according to school timetables)</i>	Lesson 1: Writing 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.
5 Chapter 8: Percentages <i>(FF: include rounding to 1DP)</i>				Ch 9: Geometry
Lesson 3: Finding Percentages To convert values of an amount into percentages. To convert fractions into percentages.	ADDITIONAL LESSON: Percentages (Could use Power Maths book or SATs arithmetic style questions)	Consolidation day: Use to embed percentages	Chapter 8 review and consolidation: To practise various concepts covered in the chapter.	Lesson 1: Types of Angles To know the names and qualities of acute, right, obtuse and reflex angles.
6 Chapter 9: Geometry				
Lesson 2: Measuring Angles (over 2 days) To measure angles using a protractor.	Lesson 2: Measuring Angles (over 2 days)	Lesson 3: Measuring Angles at a Point (over 2 days) To draw, measure and add angles using a protractor.	Lesson 3: Measuring Angles at a Point (over 2 days, if needed)	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited
Easter holiday break (Homework:				

Year 5 coverage overview

Summer 1: 22 lessons				
1 Chapter 9: Geometry (Factual fluency: including 10%/1% of simple amounts)				
Easter Monday	INSET day	Lesson 4: Finding Angles at a Point on a Straight Line To understand that angles at a point on a straight line always sum to 180°.	Lesson 5: Find Angles around a Point To understand that angles around a point always sum to 360°.	Lesson 6: Drawing Lines and Acute Angles To draw angles using a protractor.
2 Chapter 9: Geometry (FF: include equivalent fractions)				
Lesson 7: Drawing Lines and Obtuse Angles To draw angles using a protractor.	Lesson 8: Describing Squares and Rectangles To describe the sides and angles of both rectangles and squares.	Lesson 9: Angles Inside Quadrilaterals To investigate the angles of various quadrilaterals, including squares and rectangles.	Lesson 10: Solving Problems Involving Angles in Quadrilaterals To solve problems involving angles in rectangles.	Lesson 12: Regular and Irregular Polygons To investigate regular polygons.
3 (FF: include reading co-ordinates)			Chapter 10: Position and Movement	
May Bank holiday	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited <i>(If not needed use after Chapter 10)</i>	Chapter 9 review and consolidation: To practise various concepts covered in the chapter.	Lesson 1: Naming and Plotting Points To name and plot points.	Lesson 2: Describing Translations To describe the position of a shape following a translation.
4 Chapter 10: Position & Movement (FF: include fractions of amounts)				Ch 11: Measurements
Lesson 3: Describing Reflections To describe movements and reflecting shapes.	Lesson 4: Describing Reflections To describe the movement of a 2-D shape when reflected.	Lesson 5: Describing Successive Reflections To reflect a shape more than once. <i>(If time)</i>	Chapter 10 review and consolidation: To practise various concepts covered in the chapter.	Lesson 1: Converting Units of Length To convert units of length.
5 Chapter 11: Measurements (FF: include fractions of amounts)				
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 Mass To convert units of mass.	Lesson 5: Converting Volume To convert litres and millilitres.	Lesson 6: Converting Metric and Imperial Units of Measure To convert Imperial and metric units of measure.
Break for half term (Homework: formal addition and subtraction)				

Year 5 coverage overview

Summer 2: 37 lessons				
1 Chapter 11: Measurements (Factual fluency: include fractions/percentage of amounts)				
Lesson 7: Solving Word Problems Length, mass and volume	Lesson 8: Solving Word Problems Time	Lesson 9: Reading Temperature To read the temperature on a thermometer.	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited.	Chapter 11 review and consolidation: To practise various concepts covered in the chapter.
2 Chapter 12: Area and Perimeter (FF: include converting between fractions, decimals, and percentages)				
Lesson 1: Finding the Perimeter To find the perimeter of shapes.	Lesson 3: Finding the Perimeter of Composite Shapes To find the perimeter of different shapes. <i>(NB: Lessons 2 & 3 swapped to teach concepts together)</i>	Lesson 2: Measuring the Area To measure the area of squares. <i>(NB: Lessons 2 & 3 swapped to teach concepts together)</i>	Lesson 4: Measuring the Area of Composite Shapes To measure the area of a shape.	Lesson 5 : Estimating Area and Drawing to Scale To be able to estimate the area of irregular shapes drawn on a grid.
3 Chapter 12: Area and Perimeter (FF: include rounding measures/ money)				
Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited.	Chapter 12 review and consolidation To practise various concepts covered in the chapter.	ADDITIONAL LESSON: Revision of formal addition and subtraction (including decimal amounts)	ADDITIONAL LESSON: Revision of formal multiplication and, as appropriate to class division	ADDITIONAL LESSON: Revision of formal multiplication and, as appropriate to class division
4 Chapter 13: Volume				
Lesson 1: Understanding the Volume of Solids To understand the volume of solids.	Lesson 2: Finding the Volume of Solids in Cubic Units To find the volume of solids.	Lesson 3: Finding the Capacity of Cuboids To be able to calculate the volume of cuboids as length \times breadth \times height.	Lesson 4: Finding the Volume of Liquids To be able to calculate the capacity of a container in metric units.	Lesson 5: Solving Word Problems Involving Volume over 2 days To solve word problems involving volume.
5 Chapter 13: Volume (FF: include Roman numerals to 100)			Chapter 14: Roman Numerals	
Lesson 5: Solving Word Problems Involving Volume over 2 days	Consolidation day: To be used if lessons take longer than expected or a topic needs to be revisited.	Chapter 13 review and consolidation To practise various concepts covered in the chapter.	Lesson 1: Writing Roman Numerals to 1000 To write Roman numerals to 1000.	Lesson 2: Writing Years in Roman Numerals To write numbers in their thousands in Roman numerals.
6				
Chapter 14 review and consolidation To practise various concepts covered in the chapter.	ADDITIONAL LESSON: (Use to revisit fractions and percentages) To be used if lessons take longer than expected or a topic needs to be revisited.	SUMMER TEST: arithmetic <i>(according to school timetables)</i>	SUMMER TEST: reasoning <i>(according to school timetables)</i>	SUMMER TEST: reasoning <i>(according to school timetables)</i>
7 Test, review and remediate (MATHS WEEK)				
Revision and Mid-year Tests (B)	Revision and Mid-year Tests (B)	Revision and Mid-year Tests (B)	Revision and Mid-year Tests (B)	Revision and Mid-year Tests (B)
Review and Remediation	Review and Remediation	Review and Remediation	Review and Remediation	Review and Remediation
8 Test, review and remediate				
Revision and Mid-year Tests (B)	Revision and Mid-year Tests (B)	Summer break		
Review and Remediation	Review and Remediation			
Summer holiday break				