Lesson Breakdown & Textbook Mapping

Year 6

Year 6 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value		Number: Addition, Subtraction, Multiplication and Division				Fractions					
Spring	Number: Decimals		Number: Percentages	Measurement			Number: Algebra		Number: Ratio		Geometry and Statistics	
Summer	Geometry: Properties of Shapes		Geometry: Position and Direction	Post SATs Project Work								

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Lesson Breakdown & Textbook Mapping
Year 6 Autumn Term

Topic	National Curriculum Learning Objectives	Lesson	Lesson Learning Objective	Textbook Mapping
				Abacus
Number: Place Value	Read, write, order and compare numbers to 10,000,000 and determine the value of each digit.	1	Determine the value of digits to tens of millions.	Y6TB2 p9
		2	Read and write numbers to 10,000,000.	Y6TB1 p4, Y6TB2 p5
		3	Order and compare numbers to 10,000,000.	Y6TB1 p4, Y6TB2 p4, p10, Y6TB3 p4
	Round any whole number to a required degree of accuracy.	4	Rounding to the nearest ten.	Y6TB3 p11
		5	Rounding to powers of ten.	Y6TB3 p11
		6	Deeper thinking with rounding.	Y6TB2 p43
	Use negative numbers in context, and calculate intervals across zero.	7	Calculating with rising and falling.	Y6TB3 p13
		8	Finding the difference between two values.	Y6TB3 p12
		9	Real life scenarios with negative numbers.	Y6TB1 p59 – 62
		10	Review and assess	
Addition, Subtraction, Multiplication & Division	Solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why.	1	Deeper thinking about the algorithm for addition.	Y6TB1 p14, p16, p22, Y6TB3 p19
		2	Deeper thinking about the algorithm for subtraction.	Y6TB1 p39 -44, Y6TB2 p11, p13, p46
		3	Solve multi-step problems involving additive reasoning.	Y6TB1 p19, p25, p47-48, Y6TB2 p60
	Multiply multi-digit number up to 4 digits by a 2 digit number using the formal written method of long multiplication.	4	Accurately use the efficient method of long multiplication.	Y6TB1 p55, Y6TB2 p31

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Year 6

Topic	National Curriculum Learning Objectives	Lesson	Lesson Learning Objective	Textbook Mapping Abacus
Number: Addition, Subtraction, Multiplication & Division	Multiply multi-digit number up to 4 digits by a 2 digit number using the formal written method of long multiplication.	5	Understand and explain why long multiplication is an efficient method.	
		6	Apply understanding of multiplicative reasoning.	Y6TB1 p51-53, p58, Y6TB2 p33, Y6TB3 p35, Y6TB3 p40, p73
	Divide numbers up to 4 digits by a 2 digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions or by rounding as appropriate for the context.	7	Use long division with whole number remainders.	Y6TB2 p55, p88, Y6TB3 p38
		8	Use long division with fraction and decimal remainders.	Y6TB1 p79-80, Y6TB2 p56, Y6TB3 p41
		9	Interpreting remainders after division.	Y6TB2 p90, Y6TB3 p39
	Divide numbers up to 4 digits by a 2 digit number using the formal written method of short division, interpreting remainders according to context.	10	Compare long and short methods of division.	Y6TB2 p58
		11	Deeper thinking to explore division.	Y6TB1 p81
	Identify common factors, common multiples and prime numbers.	12	Identify common factors and multiples.	Y6TB2 p50
		13	Use knowledge of factors and multiples to find prime numbers.	Y6TB2 p52
	Perform mental calculations, including with mixed operations and large numbers.	14	Use multiplication facts to support mental multiplication.	
		15	Use factors of divisors to perform mental division.	
	Use their knowledge of the order of operations to carry out calculations involving the four operations.	16	Understand what BODMAS is and apply it.	Y6TB3 p22-23
		17	Understand what BODMAS is and apply it.	Y6TB1 p29, p31
	Solve problems involving addition, subtraction, multiplication and division.	18	Combine additive and multiplicative understanding.	Y6TB1 p32, Y6TB2 p66, p84, p92, Y6TB3 p31

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Topic	National Curriculum Learning Objectives	Lesson	Lesson Learning Objective	Textbook Mapping
				Abacus
		19	Review	
		20	Assess	
Number: Fractions	Generate and describe linear number sequences (with fractions)	1	Understanding what a fraction is.	
		2	Use double number lines to examine Counting in fractions.	
		3	Use number sequences to double and half unit fractions.	
	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.	4	Identifying the lowest common multiple and the highest common factor.	
		5	Explain equivalent fractions.	
		6	Determine when numerators and denominators are co-prime.	
	Compare and order fractions, including fractions > 1	7	Compare and order fractions using denominators.	Y6TB1 p63-64
		8	Compare and order fractions using numerators.	
		9	Compare and order fractions using common denominators.	Y6TB1 p66
		10	Compare and order fractions using common numerators.	
	Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.	11	Adding proper fractions using common denominators.	Y6TB1 p67, p83
		12	Adding mixed number fractions.	Y6TB3 p43
		13	Subtracting proper fractions using common denominators.	Y6TB1 p85
		14	Subtracting mixed number fractions.	
		15	Application of understanding of adding and subtracting fractions.	Y6TB1 p99-100

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Year 6

Topic	National Curriculum Learning Objectives	Lesson	Lesson Learning Objective	Textbook Mapping
				Abacus
	Multiply simple pairs of proper fractions, writing the answer in its simplest form	16	Use arrays to examine multiplication of numbers less than one.	
		17	Multiplying pairs of proper fractions.	Y6TB2 p20, p22, Y6TB3 p45-46
		18	Investigating equivalence when multiplying with fractions.	Y6TB2 p23
	Divide proper fractions by whole numbers	19	Use arrays to examine division	
		20	Divide proper fractions by whole numbers.	Y6TB1 p96, Y6TB3 p44, Y6TB3 p46
		21	Investigating equivalence when dividing with fractions.	Y6TB1 p98
		22	Investigating equivalence with fraction division and multiplication.	
	Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction	23	Finding equivalence with tenths, hundredths and thousandths.	
		24	Using short division to find equivalence.	
		25	Use the relationship between division and fractions to solve problems.	
	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	26	Associate fractions and decimals with percentages.	Y6TB2 p19
		27	Compare and order fractions, decimals and percentages.	
		28	Determining the most appropriate equivalence in different contexts.	
		29	Review	
		30	Assess	

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