



Year	Textbook	Strand	Unit	Unit title	Lesson number	New lesson title	NC objective
	6A	Number – number and place value	1	Place value within 10,000,000	1	Numbers to 1,000,000	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
	6A	Number – number and place value	1	Place value within 10,000,000	2	Numbers to 10,000,000	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
	6A	Number – number and place value	1	Place value within 10,000,000	3	Partition numbers to 10,000,000	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
	6A	Number – number and place value	1	Place value within 10,000,000	4	Powers of 10	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
	6A	Number – number and place value	1	Place value within 10,000,000	5	Number line to 10,000,000	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
	6A	Number – number and place value	1	Place value within 10,000,000	6	Compare and order any number	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit

	6A	Number – number and place value	1	Place value within 10,000,000	7	Round any number	round any whole number to a required degree of accuracy
	6A	Number – number and place value	1	Place value within 10,000,000	8	Negative numbers	use negative numbers in context, and calculate intervals across zero
						Highlighted lessons moved to here.	
	6A	Number – addition, subtraction, multiplication and division	2	Four operations (1)	1	Add integers	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
	6A	Number – addition, subtraction, multiplication and division	2	Four operations (1)	2	Subtract integers	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
	6A	Number – addition, subtraction, multiplication and division	2	Four operations (1)	3	Problem solving – addition and subtraction	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
	6A	Number – addition, subtraction, multiplication and division	2	Four operations (1)	4	Common factors	identify common factors, common multiples and prime numbers
	6A	Number – addition, subtraction, multiplication and division	2	Four operations (1)	5	Common multiples	identify common factors, common multiples and prime numbers
	6A	Number – addition, subtraction, multiplication and division	2	Four operations (1)	6	Rules of divisibility	identify common factors, common multiples and prime numbers

	6A	Number – addition, subtraction, multiplication and division	2	Four operations (1)	7	Primes to 100	identify common factors, common multiples and prime numbers
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	6A	Number – addition, subtraction, multiplication and division	2	Four operations (1)	8	Squares and cubes	Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) (year 5)
	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	1	Multiply by a 1-digit number	multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	2	Multiply up to a 4-digit number by a 2-digit number	multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	3	Short division	divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	4	Division using factors	identify common factors, common multiples and prime numbers

	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	5	Divide a 3-digit number by a 2-digit number (long division)	divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
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	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	6	Divide a 4-digit number by a 2-digit number (long division)	divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	7	Long division with remainders	divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	8	Order of operations	use their knowledge of the order of operations to carry out calculations involving the four operations
	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	9	Brackets	use their knowledge of the order of operations to carry out calculations involving the four operations
	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	10	Mental calculations (1)	perform mental calculations, including with mixed operations and large numbers

	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	11	Mental calculations (2)	perform mental calculations, including with mixed operations and large numbers
						Mental calculations ongoing through teaching and interventions	

	6A	Number – addition, subtraction, multiplication and division	3	Four operations (2)	12	Reason from known facts	use their knowledge of the order of operations to carry out calculations involving the four operations
	6A	Number – fractions	4	Fractions (1)	1	Equivalent fractions and simplifying	use common factors to simplify fractions; use common multiples to express fractions in the same denomination
	6A	Number – fractions	4	Fractions (1)	2	Equivalent fractions on a number line	compare and order fractions, including fractions > 1
	6A	Number – fractions	4	Fractions (1)	3	Compare and order fractions	compare and order fractions, including fractions > 1
	6A	Number – fractions	4	Fractions (1)	4	Add and subtract simple fractions	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
	6A	Number – fractions	4	Fractions (1)	5	Add and subtract any two fractions	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
	6A	Number – fractions	4	Fractions (1)	6	Add mixed numbers	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

	6A	Number – fractions	4	Fractions (1)	7	Subtract mixed numbers	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
	6A	Number – fractions	4	Fractions (1)	8	Multi-step problems	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
	6A	Number – fractions	4	Fractions (1)	9	Problem solving – adding and subtracting fractions	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
	6A	Number – fractions	5	Fractions (2)	1	Multiply fractions by integers	multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
	6A	Number – fractions	5	Fractions (2)	2	Multiply fractions by fractions (1)	multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]
	6A	Number – fractions	5	Fractions (2)	3	Multiply fractions by fractions (2)	multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]
						Multiply fractions by fractions condensed as taught through arithmetic	

	6A	Number – fractions	5	Fractions (2)	4	Divide a fraction by an integer (1)	divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$]
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	6A	Number – fractions	5	Fractions (2)	5	Divide a fraction by an integer (2)	divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$]
	6A	Number – fractions	5	Fractions (2)	6	Divide a fraction by an integer (3)	divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$]
						Divide fractions by fractions condensed as taught through arithmetic	
	6A	Number – fractions	5	Fractions (2)	7	Mixed questions with fractions	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
	6A	Number – fractions	5	Fractions (2)	8	Fraction of an amount	use written division methods in cases where the answer has up to two decimal places
	6A	Number – fractions	5	Fractions (2)	9	Fraction of an amount – find the whole	use written division methods in cases where the answer has up to two decimal places

	6A	Measurement	6	Measure – imperial and metric measures	1	Metric measures	use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places
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							use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places
	6A	Measurement	6	Measure – imperial and metric measures	2	Convert metric measures	
	6A	Measurement	6	Measure – imperial and metric measures	3	Calculate with metric measures	solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
	6A	Measurement	6	Measure – imperial and metric measures	4	Miles and kilometres	Convert between miles and kilometres
	6A	Measurement	6	Measure – imperial and metric measures	5	Imperial measures	Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places
	6B	Ratio and proportion	7	Ratio and proportion	1	Use ratio language	solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

	6B	Ratio and proportion	7	Ratio and proportion	2	Introduce the ratio symbol	solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
	6B	Ratio and proportion	7	Ratio and proportion	3	Ratio and fractions	solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
	6B	Ratio and proportion	7	Ratio and proportion	4	Scale drawing	solve problems involving similar shapes where the scale factor is known or can be found
	6B	Ratio and proportion	7	Ratio and proportion	5	Scale factors	solve problems involving similar shapes where the scale factor is known or can be found
	6B	Ratio and proportion	7	Ratio and proportion	6	Similar shapes	solve problems involving similar shapes where the scale factor is known or can be found
	6B	Ratio and proportion	7	Ratio and proportion	7	Ratio problems	solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
	6B	Ratio and proportion	7	Ratio and proportion	8	Problem solving – ratio and proportion (1)	solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

	6B	Ratio and proportion	7	Ratio and proportion	9	Problem solving – ratio and proportion (2)	solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
	6B	Algebra	8	Algebra	1	Find a rule – one step	generate and describe linear number sequences
	6B	Algebra	8	Algebra	2	Find a rule – two steps	generate and describe linear number sequences
	6B	Algebra	8	Algebra	3	Form expressions	generate and describe linear number sequences
	6B	Algebra	8	Algebra	4	Substitution (1)	express missing number problems algebraically
	6B	Algebra	8	Algebra	5	Substitution (2)	express missing number problems algebraically
	6B	Algebra	8	Algebra	6	Formulae	use simple formulae
	6B	Algebra	8	Algebra	7	Form and solve equations	express missing number problems algebraically
	6B	Algebra	8	Algebra	8	Solve one-step equations	express missing number problems algebraically
	6B	Algebra	8	Algebra	9	Solve two-step equations	express missing number problems algebraically

	6B	Algebra	8	Algebra	10	Find pairs of values	find pairs of numbers that satisfy an equation with two unknowns
	6B	Algebra	8	Algebra	11	Solve problems with two unknowns	enumerate possibilities of combinations of two variables
	6B	Number – fractions (including decimals and percentages)	9	Decimals	1	Place value to 3 decimal places	identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places
	6B	Number – fractions (including decimals and percentages)	9	Decimals	2	Round decimals	identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places
	6B	Number – fractions (including decimals and percentages)	9	Decimals	3	Add and subtract decimals	solve problems which require answers to be rounded to specified degrees of accuracy
	6B	Number – fractions (including decimals and percentages)	9	Decimals	4	Multiply by 10, 100 and 1,000	identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places

	6B	Number – fractions (including decimals and percentages)	9	Decimals	5	Divide by 10, 100 and 1,000	identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places
						These lessons will be incorporated into daily teaching	
	6B	Number – fractions (including decimals and percentages)	9	Decimals	6	Multiply decimals by integers	multiply one-digit numbers with up to two decimal places by whole numbers
	6B	Number – fractions (including decimals and percentages)	9	Decimals	7	Divide decimals by integers	use written division methods in cases where the answer has up to two decimal places
	6B	Number – fractions (including decimals and percentages)	9	Decimals	8	Fractions to decimals	associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]
	6B	Number – fractions (including decimals and percentages)	9	Decimals	9	Fraction as division	associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]

	6B	Number – fractions (including decimals and percentages)	10	Percentages	1	Understand percentages	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
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	6B	Number – fractions (including decimals and percentages)	10	Percentages	2	Fractions to percentages	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
	6B	Number – fractions (including decimals and percentages)	10	Percentages	3	Equivalent fractions, decimals and percentages	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
	6B	Number – fractions (including decimals and percentages)	10	Percentages	4	Order fractions, decimals and percentages	compare and order fractions, including fractions > 1
	6B	Number – fractions (including decimals and percentages)	10	Percentages	5	Simple percentage of an amount	solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
	6B	Number – fractions (including decimals and percentages)	10	Percentages	6	Percentage of an amount – 1%	solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
	6B	Number – fractions (including decimals and percentages)	10	Percentages	7	Percentages of an amount	solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison

	6B	Number – fractions (including decimals and percentages)	10	Percentages	8	Percentages (missing values)	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
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6B	Measurement	11	Measure – perimeter, area and volume	1	Shapes – same area	recognise that shapes with the same areas can have different perimeters and vice versa
6B	Measurement	11	Measure – perimeter, area and volume	2	Area and perimeter	recognise that shapes with the same areas can have different perimeters and vice versa
6B	Measurement	11	Measure – perimeter, area and volume	3	Area and perimeter – missing lengths	recognise that shapes with the same areas can have different perimeters and vice versa
6B	Measurement	11	Measure – perimeter, area and volume	4	Area of a triangle – counting squares	calculate the area of parallelograms and triangles
6B	Measurement	11	Measure – perimeter, area and volume	5	Area of a right-angled triangle	calculate the area of parallelograms and triangles
6B	Measurement	11	Measure – perimeter, area and volume	6	Area of any triangle	calculate the area of parallelograms and triangles
6B	Measurement	11	Measure – perimeter, area and volume	7	Area of a parallelogram	recognise when it is possible to use formulae for area and volume of shapes
6B	Measurement	11	Measure – perimeter, area and volume	8	Problem solving – area	calculate the area of parallelograms and triangles
6B	Measurement	11	Measure – perimeter, area and volume	9	Problem solving – perimeter	recognise that shapes with the same areas can have different perimeters and vice versa

	6B	Measurement	11	Measure – perimeter, area and volume	10	Volume – count cubes	calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units [for example, mm ³ and km ³]
	6B	Measurement	11	Measure – perimeter, area and volume	11	Volume of a cuboid	calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units [for example, mm ³ and km ³]
	6C	Statistics	12	Statistics	1	Interpret line graphs	interpret and construct pie charts and line graphs and use these to solve problems
	6C	Statistics	12	Statistics	2	Draw line graphs	interpret and construct pie charts and line graphs and use these to solve problems
	6C	Statistics	12	Statistics	3	Advanced bar charts	interpret and construct pie charts and line graphs and use these to solve problems

	6C	Statistics	12	Statistics	4	Understand and complete pie charts	interpret and construct pie charts and line graphs and use these to solve problems
	6C	Statistics	12	Statistics	5	Read and interpret pie charts	interpret and construct pie charts and line graphs and use these to solve problems
	6C	Statistics	12	Statistics	6	Pie charts and fractions (1)	interpret and construct pie charts and line graphs and use these to solve problems
	6C	Statistics	12	Statistics	7	Pie charts and fractions (2)	interpret and construct pie charts and line graphs and use these to solve problems
	6B	Statistics	12	Statistics	8	Pie charts and percentages	interpret and construct pie charts and line graphs and use these to solve problems
	6C	Statistics	12	Statistics	9	Introduction to the mean	calculate and interpret the mean as an average
	6C	Statistics	12	Statistics	10	Calculate the mean	calculate and interpret the mean as an average

	6C	Statistics	12	Statistics	11	Problem solving – mean	calculate and interpret the mean as an average
	6C	Geometry – properties of shape	13	Geometry – properties of shape	1	Measure and classify angles	draw 2D shapes using given dimensions and angles
	6C	Geometry – properties of shape	13	Geometry – properties of shape	2	Vertically opposite angles	recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
	6C	Geometry – properties of shape	13	Geometry – properties of shape	3	Angles in a triangle	compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
	6C	Geometry – properties of shape	13	Geometry – properties of shape	4	Angles in a triangle – special cases	compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
	6C	Geometry – properties of shape	13	Geometry – properties of shape	5	Angles in a triangle – missing angles	compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons

	6C	Geometry – properties of shape	13	Geometry – properties of shape	6	Angles in quadrilaterals	compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
	6C	Geometry – properties of shape	13	Geometry – properties of shape	7	Angles in polygons	compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
	6C	Geometry – properties of shape	13	Geometry – properties of shape	8	Circles	illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
	6C	Geometry – properties of shape	13	Geometry – properties of shape	9	Parts of a circle	illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
	6C	Geometry – properties of shape	13	Geometry – properties of shape	10	Draw shapes accurately	draw 2D shapes using given dimensions and angles
	6C	Geometry – properties of shape	13	Geometry – properties of shape	11	Nets of 3D shapes (1)	recognise, describe and build simple 3D shapes, including making nets
	6C	Geometry – properties of shape	13	Geometry – properties of shape	12	Nets of 3D shapes (2)	recognise, describe and build simple 3D shapes, including making nets

	6C	Geometry – position and direction	14	Geometry – position and direction	1	The first quadrant	describe positions on the full coordinate grid (all four quadrants)
	6C	Geometry – position and direction	14	Geometry – position and direction	2	Read and plot points in four quadrants	describe positions on the full coordinate grid (all four quadrants)
	6C	Geometry – position and direction	14	Geometry – position and direction	3	Solve problems with coordinates	describe positions on the full coordinate grid (all four quadrants)
	6C	Geometry – position and direction	14	Geometry – position and direction	4	Translations	draw and translate simple shapes on the coordinate plane, and reflect them in the axes
	6C	Geometry – position and direction	14	Geometry – position and direction	5	Reflections	draw and translate simple shapes on the coordinate plane, and reflect them in the axes
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	1	Problem solving – place value	Solve number and practical problems that involve all of the above
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	2	Problem solving – negative numbers	Solve number and practical problems that involve all of the above

	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	3	Problem solving – addition and subtraction	use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	4	Problem solving – four operations (1)	solve problems involving addition, subtraction, multiplication and division
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	5	Problem solving – four operations (2)	solve problems involving addition, subtraction, multiplication and division
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	6	Problem solving – fractions	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	7	Problem solving – decimals	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	8	Problem solving – percentages	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	9	Problem solving – ratio and proportion	solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	10	Problem solving – time (1)	use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	11	Problem solving – time (2)	use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	12	Problem solving – position and direction	describe positions on the full coordinate grid (all four quadrants)
	6C	Number – addition, subtraction, multiplication and division	15	Problem solving	13	Problem solving – properties of shapes (1)	recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles

		Number – addition, subtraction, multiplication and division					
	6C		15	Problem solving	14	Problem solving – properties of shapes (2)	recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles