

Power Maths Year 6, yearly overview

Textbook	Strand	Unit		Number of lessons
Textbook A / Practice Workbook A (Term 1)	Number – number and place value	1	Place value within 10,000,000	8
	Number – addition, subtraction, multiplication and division	2	Four operations (1)	8
	Number – addition, subtraction, multiplication and division	3	Four operations (2)	12
	Number - fractions	4	Fractions (1)	9
	Number - fractions	5	Fractions (2)	9
	Measurement	6	Measure – imperial and metric measures	5
Textbook B / Practice Workbook B (Term 2)	Ratio and proportion	7	Ratio and proportion	9
	Algebra	8	Algebra	11
	Number - fractions (including decimals and percentages)	9	Decimals	9
	Number - fractions (including decimals and percentages)	10	Percentages	8
	Measurement	11	Measure – perimeter, area and volume	11
Textbook C / Practice Workbook C (Term 3)	Statistics	12	Statistics	11
	Geometry – properties of shapes	13	Geometry – properties of shapes	12
	Geometry – position and direction	14	Geometry – position and direction	5
	Number – addition, subtraction, multiplication and division	15	Problem solving	14

Power Maths Year 6, Textbook 6A (Term I) overview

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – number and place value	Unit 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	Solve number and practical problems
Number – number and place value	Unit 1	Place value within 1,000,000 (1)	2	Numbers to 10,000,000	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit	Solve number and practical problems
Number – number and place value	Unit 1	Place value within 1,000,000 (1)	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	Solve number and practical problems
Number – number and place value	Unit 1	Place value within 1,000,000 (1)	4	Powers of 10	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit	Solve number and practical problems
Number – number and place value	Unit 1	Place value within 1,000,000 (1)	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	Solve number and practical problems
Number – number and place value	Unit 1	Place value within 1,000,000 (1)	6	Compare and order any number	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit	Solve number and practical problems
Number – number and place value	Unit 1	Place value within 1,000,000 (1)	7	Round any number	Round any whole number to a required degree of accuracy	
Number – number and place value	Unit 1	Place value within 1,000,000 (1)	8	Negative numbers	Use negative numbers in context, and calculate intervals across zero	
Number – addition, subtraction, multiplication and division	Unit 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	
Number – addition, subtraction, multiplication and division	Unit 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	
Number – addition, subtraction, multiplication and division	Unit 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	
Number – addition, subtraction, multiplication and division	Unit 2	Four operations (1)	4	Common factors	Identify common factors, common multiples and prime numbers	
Number – addition, subtraction, multiplication and division	Unit 2	Four operations (1)	5	Common multiples	Identify common factors, common multiples and prime numbers	
Number – addition, subtraction, multiplication and division	Unit 2	Four operations (1)	6	Rules of divisibility	Identify common factors, common multiples and prime numbers	Use their knowledge of the order of operations to carry out calculations involving the four operations
Number – addition, subtraction, multiplication and division	Unit 2	Four operations (1)	7	Primes to 100	Identify common factors, common multiples and prime numbers	
Number – addition, subtraction, multiplication and division	Unit 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)	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – addition and subtraction	Unit 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	
Number – addition and subtraction	Unit 3	Addition and subtraction	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	
Number – addition and subtraction	Unit 3	Addition and subtraction	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	
Number – addition and subtraction	Unit 3	Addition and subtraction	4	Division using factors	Identify common factors, common multiples and prime numbers	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
Number – addition and subtraction	Unit 3	Addition and subtraction	5	Divide a 3-digit number by 2-digit (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	
Number – addition and subtraction	Unit 3	Addition and subtraction	6	Divide a 4-digit number by 2-digit (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	Divide numbers up to 4 digits by a two-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
Number – addition and subtraction	Unit 3	Addition and subtraction	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	Divide numbers up to 4 digits by a two-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
Number – addition and subtraction	Unit 3	Addition and subtraction	8	Order of operations	Use their knowledge of the order of operations to carry out calculations involving the four operations	
Number – addition and subtraction	Unit 3	Addition and subtraction	9	Brackets	Use their knowledge of the order of operations to carry out calculations involving the four operations	
Number – addition and subtraction	Unit 3	Addition and subtraction	10	Mental calculations (1)	Perform mental calculations, including with mixed operations and large numbers	
Number – addition and subtraction	Unit 3	Addition and subtraction	11	Mental calculations (2)	Perform mental calculations, including with mixed operations and large numbers	
Number – addition and subtraction	Unit 3	Addition and subtraction	12	Reason from known facts	Use their knowledge of the order of operations to carry out calculations involving the four operations	Solve problems involving addition, subtraction, multiplication and division
Number – fraction	Unit 4	Fractions (1)	1	Equivalent fractions and simplifying	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination	
Number – fraction	Unit 4	Fractions (1)	2	Equivalent fractions on a number line	Compare and order fractions, including fractions > 1	
Number – fraction	Unit 4	Fractions (1)	3	Compare and order fractions (Compare and order fractions, including fractions > 1	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – fraction	Unit 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	
Number – fraction	Unit 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	
Number – fraction	Unit 4	Fractions (1)	6	Add mixed numbers	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	
Number – fraction	Unit 4	Fractions (1)	7	Subtract mixed numbers	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	
Number – fraction	Unit 4	Fractions (1)	8	Multi-step problems	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	
Number – fraction	Unit 4	Fractions (1)	9	Problem solving - add and subtract fractions	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	
Number – fractions (including decimals and percentages)	Unit 5	Fractions (2)	1	Multiply fractions by integers	Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	
Number – fractions (including decimals and percentages)	Unit 5	Fractions (2)	2	Multiply fractions by fractions (1)	Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]	
Number – fractions (including decimals and percentages)	Unit 5	Fractions (2)	3	Multiply fractions by fractions (2)	Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]	
Number – fractions (including decimals and percentages)	Unit 5	Fractions (2)	4	Divide a fraction by an integer (1)	Divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$]	
Number – fractions (including decimals and percentages)	Unit 5	Fractions (2)	5	Divide a fraction by an integer (2)	Divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$]	
Number – fractions (including decimals and percentages)	Unit 5	Fractions (2)	6	Divide a fraction by an integer (2)	Divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$]	
Number – fractions (including decimals and percentages)	Unit 5	Fractions (2)	7	Mixed questions with fractions	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]
Number – fractions (including decimals and percentages)	Unit 5	Fractions (2)	8	Fraction of an amount	Use written division methods in cases where the answer has up to two decimal places	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – fractions (including decimals and percentages)	Unit 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	
Measurement	Unit 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	
Number – fractions (including decimals and percentages)	Unit 6	Fractions (2)	2	Convert 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	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
Number – fractions (including decimals and percentages)	Unit 6	Fractions (2)	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	
Number – fractions (including decimals and percentages)	Unit 6	Fractions (2)	4	Miles and kilometres	Convert between miles and kilometres	
Number – fractions (including decimals and percentages)	Unit 6	Fractions (2)	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	

Power Maths Year 6, Textbook 6B (Term 2) overview

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Ratio and proportion	7	Ratio and proportion	1	Use ratio language	Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples	
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	
Ratio and proportion	7	Ratio and proportion	3	Use ratio	Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples	
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	
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	
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	
Ratio and proportion	7	Ratio and proportion	7	Ratio problems	Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples	
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	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
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	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
Algebra	8	Algebra	1	Find a rule – one step	Generate and describe linear number sequences	
Algebra	8	Algebra	2	Find a rule – two steps	Generate and describe linear number sequences	
Algebra	8	Algebra	3	Form expressions	Generate and describe linear number sequences	
Algebra	8	Algebra	4	Substitution (1)	Express missing number problems algebraically	Generate and describe linear number sequences
Algebra	8	Algebra	5	Substitution (2)	Express missing number problems algebraically	Generate and describe linear number sequences
Algebra	8	Algebra	6	Formulae	Use simple formulae	
Algebra	8	Algebra	7	Form and solve equations	Express missing number problems algebraically	
Algebra	8	Algebra	8	Solve one-step equations	Express missing number problems algebraically	
Algebra	8	Algebra	9	Solve two-step equations	Express missing number problems algebraically	
Algebra	8	Algebra	10	Find pairs of values	Find pairs of numbers that satisfy an equation with two unknowns	
Algebra	8	Algebra	11	Solve problems with two unknowns	Enumerate possibilities of combinations of two variables	Find pairs of numbers that satisfy an equation with two unknowns

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
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	Solve problems which require answers to be rounded to specified degrees of accuracy
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	Solve problems which require answers to be rounded to specified degrees of accuracy
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	
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	
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	
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	
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	Solve problems which require answers to be rounded to specified degrees of accuracy
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, $\frac{3}{8}$]	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
Number – fractions (including decimals and percentages)	9	Decimals	9	Fractions as division	Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]	
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	
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	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
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	
Number – fractions (including decimals and percentages)	10	Percentages	4	Order fractions, decimals and percentages	Compare and order fractions, including fractions > 1	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
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	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
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	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
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	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
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	Multiply one-digit numbers with up to two decimal places by whole numbers
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	
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	
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	
Measurement	11	Measure – perimeter, area and volume	4	Area of a triangle – counting squares	Calculate the area of parallelograms and triangles	
Measurement	11	Measure – perimeter, area and volume	5	Area of a right-angled triangle	Calculate the area of parallelograms and triangles	
Measurement	11	Measure – perimeter, area and volume	6	Area of any triangle	Calculate the area of parallelograms and triangles	
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	Calculate the area of parallelograms and triangles
Measurement	11	Measure – perimeter, area and volume	8	Problem solving – area	Calculate the area of parallelograms and triangles	
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	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
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]	Recognise when it is possible to use formulae for area and volume of shapes
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]	Recognise when it is possible to use formulae for area and volume of shapes

Power Maths Year 6, Textbook 6C (Term 3) overview

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Statistics	12	Statistics	1	Interpret line graphs	Interpret and construct pie charts and line graphs and use these to solve problems	
Statistics	12	Statistics	2	Draw line graphs	Interpret and construct pie charts and line graphs and use these to solve problems	
Statistics	12	Statistics	3	Advanced bar charts	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.
Statistics	12	Statistics	4	Understand and complete pie charts	Interpret and construct pie charts and line graphs and use these to solve problems	
Statistics	12	Statistics	5	Read and interpret pie charts	Interpret and construct pie charts and line graphs and use these to solve problems	
Statistics	12	Statistics	6	Pie charts and fractions (1)	Interpret and construct pie charts and line graphs and use these to solve problems	
Statistics	12	Statistics	7	Pie charts and fractions (2)	Interpret and construct pie charts and line graphs and use these to solve problems	
Statistics	12	Statistics	8	Pie charts and percentages	Interpret and construct pie charts and line graphs and use these to solve problems	Pupils connect their work on angles, fractions and percentages to the interpretation of pie charts [non-stat]
Statistics	12	Statistics	9	Introduction to the mean	Calculate and interpret the mean as an average	
Statistics	12	Statistics	10	Calculate the mean	Calculate and interpret the mean as an average	
Statistics	12	Statistics	11	Problem solving – mean	Calculate and interpret the mean as an average	
Geometry – properties of shapes	13	Geometry – properties of shapes	1	Measure and classify angles	Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles	
Geometry – properties of shapes	13	Geometry – properties of shapes	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	
Geometry – properties of shapes	13	Geometry – properties of shapes	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	Draw 2D shapes using given dimensions and angles

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Geometry – properties of shapes	13	Geometry – properties of shapes	4	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	
Geometry – properties of shapes	13	Geometry – properties of shapes	5	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	
Geometry – properties of shapes	13	Geometry – properties of shapes	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	
Geometry – properties of shapes	13	Geometry – properties of shapes	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	
Geometry – properties of shapes	13	Geometry – properties of shapes	8	Circles	Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius	
Geometry – properties of shapes	13	Geometry – properties of shapes	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	
Geometry – properties of shapes	13	Geometry – properties of shapes	10	Draw shapes accurately	Draw 2D shapes using given dimensions and angles	
Geometry – properties of shapes	13	Geometry – properties of shapes	11	Nets of 3D shapes (1)	Recognise, describe and build simple 3D shapes, including making nets	
Geometry – properties of shapes	13	Geometry – properties of shapes	12	Nets of 3D shapes (2)	Recognise, describe and build simple 3D shapes, including making nets	
Geometry – position and direction	14	Geometry – position and direction	1	The first quadrant	Describe positions on the full coordinate grid (all four quadrants)	
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)	
Geometry – position and direction	14	Geometry – position and direction	3	Translations	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes	
Geometry – position and direction	14	Geometry – position and direction	4	Reflections	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Geometry – position and direction	14	Geometry – position and direction	5	Solve problems with coordinates	Describe positions on the full coordinate grid (all four quadrants)	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes
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	
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	
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	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
Number – addition, subtraction, multiplication and division	15	Problem solving	4	Problem solving – four operations (1)	Solve problems involving addition, subtraction, multiplication and division	Use their knowledge of the order of operations to carry out calculations involving the four operations
Number – addition, subtraction, multiplication and division	15	Problem solving	5	Problem solving – four operations (2)	Solve problems involving addition, subtraction, multiplication and division	
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	
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	
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	
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	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
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	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
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	
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)	
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	Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
Number – addition, subtraction, multiplication and division	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	Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons