Power Maths Year 6, yearly overview

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

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

Strand 1	Strand 2	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
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		
Number – number and place value		Unit 1	Place value within 10,000,000	2	Numbers to 10,000,000 (1)	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit		
Number – number and place value		Unit 1	Place value within 10,000,000	3	Numbers to 10,000,000 (2)	Solve number and practical problems that involve all of the above		
Number – number and place value		Unit 1	Place value within 10,000,000	4	Number line to 10,000,000	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit		
Number – number and place value		Unit 1	Place value within 10,000,000	5	Comparing and ordering numbers to 10,000,000	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit		
Number – number and place value		Unit 1	Place value within 10,000,000	6	Rounding numbers	Round any whole number to a required degree of accuracy		

Strand 1	Strand 2	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Number – number and place value		Unit 1	Place value within 10,000,000	7	Negative numbers	Use negative numbers in context, and calculate intervals across zero		
Number – addition, subtraction, multiplication and division		Unit 2	Four operations (1)	1	Problem solving – using written methods of addition and subtraction (1)	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	Problem solving – using written methods of addition and subtraction (2)	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	Multiplying numbers up to 4 digits 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, subtraction, multiplication and division		Unit 2	Four operations (1)	4	Multiplying numbers up to 4 digits 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, subtraction, multiplication and division		Unit 2	Four operations (1)	5	Dividing numbers up to 4 digits by a 2-digit number (1)	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, subtraction, multiplication and division		Unit 2	Four operations (1)	6	Dividing numbers up to 4 digits by a 2-digit number (2)	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, subtraction, multiplication and division		Unit 2	Four operations (1)	7	Dividing numbers up to 4 digits by a 2-digit number (3)	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, subtraction, multiplication and division		Unit 2	Four operations (1)	8	Dividing numbers up to 4 digits by a 2-digit number (4)	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, subtraction, multiplication and division		Unit 2	Four operations (1)	9	Dividing numbers up to 4 digits by a 2-digit number (5)	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, subtraction, multiplication and division		Unit 2	Four operations (1)	10	Dividing numbers up to 4 digits by a 2-digit number (6)	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, subtraction, multiplication and division		Unit 3	Four operations (2)	1	Common factors	Identify common factors, common multiples and prime numbers		

Strand 1	Strand 2	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Number – addition, subtraction, multiplication and division		Unit 3	Four operations (2)	2	Common multiples	Identify common factors, common multiples and prime numbers		
Number – addition, subtraction, multiplication and division		Unit 3	Four operations (2)	3	Recognising prime numbers up to 100	Identify common factors, common multiples and prime numbers		
Number – multiplication and division		Unit 3	Four operations (2)	4	Squares and cubes	Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) **(Year 5)**		
Number – addition, subtraction, multiplication and division		Unit 3	Four operations (2)	5	Order of operations	Use their knowledge of the order of operations to carry out calculations involving the four operations		
Number – addition, subtraction, multiplication and division		Unit 3	Four operations (2)	6	Brackets	Use their knowledge of the order of operations to carry out calculations involving the four operations		
Number – addition, subtraction, multiplication and division		Unit 3	Four operations (2)	7	Mental calculations (1)	Perform mental calculations, including with mixed operations and large numbers		
Number – addition, subtraction, multiplication and division		Unit 3	Four operations (2)	8	Mental calculations (2)	Perform mental calculations, including with mixed operations and large numbers		
Number – addition, subtraction, multiplication and division		Unit 3	Four operations (2)	9	Reasoning 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 – fractions		Unit 4	Fractions (1)	1	Simplifying fractions (1)	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination		
Number – fractions		Unit 4	Fractions (1)	2	Simplifying fractions (2)	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination	Compare and order fractions, including fractions > 1	
Number – fractions		Unit 4	Fractions (1)	3	Fractions on a number line	Compare and order fractions, including fractions > 1		
Number – fractions		Unit 4	Fractions (1)	4	Comparing and ordering fractions (1)	Compare and order fractions, including fractions > 1	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination	
Number – fractions		Unit 4	Fractions (1)	5	Comparing and ordering fractions (2)	Compare and order fractions, including fractions > 1	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination	
Number – fractions		Unit 4	Fractions (1)	6	Adding and subtracting fractions (1)	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		
Number – fractions		Unit 4	Fractions (1)	7	Adding and subtracting fractions (2)	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		

Strand 1	Strand 2	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Number – fractions		Unit 4	Fractions (1)	8	Adding fractions	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		
Number – fractions		Unit 4	Fractions (1)	9	Subtracting fractions	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		
Number – fractions		Unit 4	Fractions (1)	10	Problem solving – adding and subtracting fractions (1)	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		
Number – fractions		Unit 4	Fractions (1)	11	Problem solving – adding and subtracting fractions (2)	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		
Year 5 – Number – fractions		Unit 5	Fractions (2)	1	Multiplying a fraction by a whole number	Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams		
Number – fractions		Unit 5	Fractions (2)	2	Multiplying a fraction by a fraction (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		Unit 5	Fractions (2)	3	Multiplying a fraction by a fraction (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		Unit 5	Fractions (2)	4	Dividing a fraction by a whole number (1)	Divide proper fractions by whole numbers (for example, $\frac{1}{3} \div 2 = \frac{1}{6}$)		
Number – fractions		Unit 5	Fractions (2)	5	Dividing a fraction by a whole number (2)	Divide proper fractions by whole numbers (for example, $\frac{1}{3} \div 2 = \frac{1}{6}$)		
Number – fractions		Unit 5	Fractions (2)	6	Dividing a fraction by a whole number (3)	Divide proper fractions by whole numbers (for example, $\frac{1}{3} \div 2 = \frac{1}{6}$)		
Number – fractions	Number – addition, subtraction, multiplication and division	Unit 5	Fractions (2)	7	Four rules 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, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$)	Use their knowledge of the order of operations to carry out calculations involving the four operations
Number – fractions		Unit 5	Fractions (2)	8	Calculating fractions of amounts	Use written division methods in cases where the answer has up to two decimal places		
Number – fractions		Unit 5	Fractions (2)	9	Problem solving – fractions of amounts	Use written division methods in cases where the answer has up to two decimal places		
Geometry – position and direction		Unit 6	Geometry – position and direction	1	Plotting coordinates in the first quadrant	Describe positions on the full coordinate grid (all four quadrants)		
Geometry – position and direction		Unit 6	Geometry – position and direction	2	Plotting coordinates	Describe positions on the full coordinate grid (all four quadrants)		
Geometry – position and direction		Unit 6	Geometry – position and direction	3	Plotting translations and reflections	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes		
Geometry – position and direction		Unit 6	Geometry – position and direction	4	Reasoning about shapes with coordinates	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes		

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Textbook A / Practice Workbook A (Term 1)	Number – number and place value	1	Place value within 10,000,000	7
	Number – addition, subtraction, multiplication and division	2	Four operations (1)	10
	Number – addition, subtraction, multiplication and division	3	Four operations (2)	9
	Number – fractions	4	Fractions (1)	11
	Number – fractions	5	Fractions (2)	9
	Geometry – position and direction	6	Geometry – position and direction	4
Textbook B / Practice Workbook B (Term 2)	Number – fractions (including decimals and percentages)	7	Decimals	9
	Number – fractions (including decimals and percentages)	8	Percentages	9
	Algebra	0	Algebra	11
	Measurement	10	Measure – imperial and metric measures	5
	Measurement	11	Measure – perimeter, area and volume	11
	Ratio and proportion	12	Ratio and proportion	9
Textbook C / Practice Workbook C (Term 3)	Geometry – properties of shapes	13	Geometry – properties of shapes	12
	Number – number and place value	14	Problem solving	14
	Statistics	15	Statistics	10

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

Strand 1	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Number – fractions (including decimals and percentages)	Unit 7	Decimals	1	Multiplying 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)	Unit 7	Decimals	2	Dividing by multiples of 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)	Unit 7	Decimals	3	Decimals as fractions	Associate a fraction with division and calculate decimal fraction equivalents [for example, 0375] 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)	Unit 7	Decimals	4	Fractions as decimals (1)	Associate a fraction with division and calculate decimal fraction equivalents [for example, 0375] for a simple fraction [for example, $\frac{3}{8}$]		
Number – fractions (including decimals and percentages)	Unit 7	Decimals	5	Fractions as decimals (2)	Associate a fraction with division and calculate decimal fraction equivalents [for example, 0375] for a simple fraction [for example, $\frac{3}{8}$]	Use written division methods in cases where the answer has up to two decimal places	

Strand 1	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Number – fractions (including decimals and percentages)	Unit 7	Decimals	6	Multiplying decimals (1)	Multiply one-digit numbers with up to two decimal places by whole numbers		
Number – fractions (including decimals and percentages)	Unit 7	Decimals	7	Multiplying decimals (2)	Multiply one-digit numbers with up to two decimal places by whole numbers		
Number – fractions (including decimals and percentages)	Unit 7	Decimals	8	Dividing decimals (1)	Associate a fraction with division and calculate decimal fraction equivalents [for example, 0375] for a simple fraction [for example, $\frac{3}{8}$]	Solve problems which require answers to be rounded to specified degrees of accuracy	
Number – fractions (including decimals and percentages)	Unit 7	Decimals	9	Dividing decimals (2)	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)	Unit 8	Percentages	1	Percentage of (1)	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	
Number – fractions (including decimals and percentages)	Unit 8	Percentages	2	Percentage of (2)	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	
Number – fractions (including decimals and percentages)	Unit 8	Percentages	3	Percentage of (3)	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
Number – fractions (including decimals and percentages)	Unit 8	Percentages	4	Percentage of (4)	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	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
Number – fractions (including decimals and percentages)	Unit 8	Percentages	5	Finding missing values	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	
Number – fractions (including decimals and percentages)	Unit 8	Percentages	6	Converting fractions to percentages	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts		
Number – fractions (including decimals and percentages)	Unit 8	Percentages	7	Equivalent fractions, decimals and percentages (1)	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts		
Number – fractions (including decimals and percentages)	Unit 8	Percentages	8	Equivalent fractions, decimals and percentages (2)	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)	Unit 8	Percentages	9	Mixed problem solving	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	Solve problems which require answers to be rounded to specified degrees of accuracy	
Algebra	Unit 9	Algebra	1	Finding a rule (1)	Generate and describe linear number sequences	Use simple formulae	
Algebra	Unit 9	Algebra	2	Finding a rule (2)	Generate and describe linear number sequences	Use simple formulae	
Algebra	Unit 9	Algebra	3	Using a rule (1)	Generate and describe linear number sequences		

Strand 1	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Algebra	Unit 9	Algebra	4	Using a rule (2)	Express missing number problems algebraically	Generate and describe linear number sequences	
Algebra	Unit 9	Algebra	5	Using a rule (3)	Express missing number problems algebraically	Generate and describe linear number sequences	
Algebra	Unit 9	Algebra	6	Formulae	Use simple formulae		
Algebra	Unit 9	Algebra	7	Solving equations (1)	Express missing number problems algebraically		
Algebra	Unit 9	Algebra	8	Solving equations (2)	Express missing number problems algebraically		
Algebra	Unit 9	Algebra	9	Solving equations (3)	Express missing number problems algebraically		
Algebra	Unit 9	Algebra	10	Solving equations (4)	Find pairs of numbers that satisfy an equation with two unknowns		
Algebra	Unit 9	Algebra	11	Solving equations (5)	Enumerate possibilities of combinations of two variables	Find pairs of numbers that satisfy an equation with two unknowns	
Measurement	Unit 10	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		
Measurement	Unit 10	Measure – imperial and metric measures	2	Converting 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		
Measurement	Unit 10	Measure – imperial and metric measures	3	Problem solving – metric measures	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate		
Measurement	Unit 10	Measure – imperial and metric measures	4	Miles and km	Convert between miles and kilometres		
Measurement	Unit 10	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		
Measurement	Unit 11	Measure – perimeter, area and volume	1	Shapes with the same area	Recognise that shapes with the same areas can have different perimeters and vice versa		
Measurement	Unit 11	Measure – perimeter, area and volume	2	Area and perimeter (1)	Recognise that shapes with the same areas can have different perimeters and vice versa		
Measurement	Unit 11	Measure – perimeter, area and volume	3	Area and perimeter (2)	Recognise that shapes with the same areas can have different perimeters and vice versa		
Measurement	Unit 11	Measure – perimeter, area and volume	4	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	Unit 11	Measure – perimeter, area and volume	5	Area of a triangle (1)	Calculate the area of parallelograms and triangles		

Strand 1	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Measurement	Unit 11	Measure – perimeter, area and volume	6	Area of a triangle (2)	Calculate the area of parallelograms and triangles		
Measurement	Unit 11	Measure – perimeter, area and volume	7	Area of a triangle (3)	Calculate the area of parallelograms and triangles		
Measurement	Unit 11	Measure – perimeter, area and volume	8	Problem solving – area	Calculate the area of parallelograms and triangles		
Measurement	Unit 11	Measure – perimeter, area and volume	9	Problem solving – perimeter	Recognise that shapes with the same areas can have different perimeters and vice versa		
Measurement	Unit 11	Measure – perimeter, area and volume	10	Volume of a cuboid (1)	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	Unit 11	Measure – perimeter, area and volume	11	Volume of a cuboid (2)	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	
Ratio and proportion	Unit 12	Ratio and proportion	1	Ratio (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	Unit 12	Ratio and proportion	2	Ratio (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	
Ratio and proportion	Unit 12	Ratio and proportion	3	Ratio (3)	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	Unit 12	Ratio and proportion	4	Ratio (4)	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	Unit 12	Ratio and proportion	5	Scale drawings	Solve problems involving similar shapes where the scale factor is known or can be found		
Ratio and proportion	Unit 12	Ratio and proportion	6	Scale factors	Solve problems involving similar shapes where the scale factor is known or can be found		
Ratio and proportion	Unit 12	Ratio and proportion	7	Similar shapes	Solve problems involving similar shapes where the scale factor is known or can be found		
Ratio and proportion	Unit 12	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	Unit 12	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	

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

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

Strand 1	Strand 2	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Geometry – properties of shapes		Unit 13	Geometry – properties of shapes	1	Measuring with a protractor	Draw 2-D shapes using given dimensions and angles		
Geometry – properties of shapes		Unit 13	Geometry – properties of shapes	2	Drawing shapes accurately	Draw 2-D shapes using given dimensions and angles		
Geometry – properties of shapes		Unit 13	Geometry – properties of shapes	3	Angles in triangles (1)	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		Unit 13	Geometry – properties of shapes	4	Angles in triangles (2)	Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons		

Strand 1	Strand 2	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Geometry – properties of shapes		Unit 13	Geometry – properties of shapes	5	Angles in triangles (3)	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		Unit 13	Geometry – properties of shapes	6	Angles in polygons (1)	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		Unit 13	Geometry – properties of shapes	7	Angles in polygons (2)	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		Unit 13	Geometry – properties of shapes	8	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		Unit 13	Geometry – properties of shapes	9	Equal distance	Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius		
Geometry – properties of shapes		Unit 13	Geometry – properties of shapes	10	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	Year 5 – Geometry – properties of shapes	Unit 13	Geometry – properties of shapes	11	Nets (1)	Recognise, describe and build simple 3-D shapes, including making nets	Identify 3-D shapes, including cubes and other cuboids, from 2-D representations	
Geometry – properties of shapes	Year 5 – Geometry – properties of shapes	Unit 13	Geometry – properties of shapes	12	Nets (2)	Recognise, describe and build simple 3-D shapes, including making nets	Identify 3-D shapes, including cubes and other cuboids, from 2-D representations	
Number – number and place value		Unit 14	Problem solving	1	Problem solving – place value	Solve number and practical problems that involve all of the above		
Number – number and place value		Unit 14	Problem solving	2	Problem solving – negative numbers	Solve number and practical problems that involve all of the above		
Number – addition, subtraction, multiplication and division		Unit 14	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	Solve problems involving addition, subtraction, multiplication and division

Strand 1	Strand 2	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Number – addition, subtraction, multiplication and division		Unit 14	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	Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy
Number – addition, subtraction, multiplication and division		Unit 14	Problem solving	5	Problem solving – four operations (2)	Solve problems involving addition, subtraction, multiplication and division		
Number – fractions (including decimals and percentages)		Unit 14	Problem solving	6	Problem solving – fractions	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts		
Number – fractions (including decimals and percentages)		Unit 14	Problem solving	7	Problem solving – decimals	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts		
Number – fractions (including decimals and percentages)		Unit 14	Problem solving	8	Problem solving – percentages	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts		
Ratio and proportion		Unit 14	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	
Measurement		Unit 14	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		
Measurement		Unit 14	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		

Strand 1	Strand 2	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2	NC Objective 3
Geometry – position and direction		Unit 14	Problem solving	12	Problem solving – position and direction	Describe positions on the full coordinate grid (all four quadrants)		
Geometry – properties of shapes		Unit 14	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	
Geometry – properties of shapes		Unit 14	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	
Statistics		Unit 15	Statistics	1	The mean (1)	Calculate and interpret the mean as an average		
Statistics		Unit 15	Statistics	2	The mean (2)	Calculate and interpret the mean as an average		
Statistics		Unit 15	Statistics	3	The mean (3)	Calculate and interpret the mean as an average		
Statistics		Unit 15	Statistics	4	Introducing pie charts	Interpret and construct pie charts and line graphs and use these to solve problems		
Statistics		Unit 15	Statistics	5	Reading and interpreting pie charts	Interpret and construct pie charts and line graphs and use these to solve problems		
Statistics		Unit 15	Statistics	6	Fractions and pie charts (1)	Interpret and construct pie charts and line graphs and use these to solve problems		
Statistics		Unit 15	Statistics	7	Fractions and pie charts (2)	Interpret and construct pie charts and line graphs and use these to solve problems		
Statistics	Ratio and proportion	Unit 15	Statistics	8	Percentages and pie charts	Interpret and construct pie charts and line graphs and use these to solve problems	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	
Statistics		Unit 15	Statistics	9	Interpreting line graphs	Interpret and construct pie charts and line graphs and use these to solve problems		
Statistics		Unit 15	Statistics	10	Constructing line graphs	Interpret and construct pie charts and line graphs and use these to solve problems		