Power Maths Year 3, yearly overview

Textbook	Strand	Unit		Number of lessons
Textbook A / Practice Workbook A (Term 1)	Number – number and place value	1	Place value within 1,000	13
	Number – addition and subtraction	2	Addition and subtraction (1)	10
	Number – addition and subtraction	3	Addition and subtraction (2)	13
	Number – multiplication and division	4	Multiplication and division (1)	5
	Number – multiplication and division	5	Multiplication and division (2)	13
Textbook B / Practice Workbook B (Term 2)	Number – multiplication and division	6	Multiplication and division (3)	13
	Measurement	7	Length and perimeter	11
	Number – fractions	8	Fractions (1)	10
	Measurement	9	Mass	7
	Measurement	10	Capacity	6
Textbook C / Practice Workbook C (Term 3)	Number – fractions	11	Fractions (2)	8
	Measurement	12	Moneys	5
	Measurement	13	Time	12
	Geometry – properties of shapes	14	Angles and properties of shapes	9
	Statistics	15	Statistics	7

Power Maths Year 3, Textbook 3A (Term 1) overview

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – number and place value	Unit 1	Place value within 1,000	1	Represent and partition numbers to 100	Recognise the place value of each digit in a two-digit number (tens, ones) (Year 2)	Identify, represent and estimate numbers using different representations, including the number line
Number – number and place value	Unit 1	Place value within 1,000	2	Number line to 100	Compare and order numbers up to 1,000	Identify, represent and estimate numbers using different representations, including the number line
Number – number and place value	Unit 1	Place value within 1,000	3	100s	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
Number – number and place value	Unit 1	Place value within 1,000	4	Represent numbers to 1,000	Identify, represent and estimate numbers using different representations, including the number line	Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
Number – number and place value	Unit 1	Place value within 1,000	5	Partition numbers to 1,000	Recognise the place value of each digit in a three-digit number (100s, 10s, 1s)	Identify, represent and estimate numbers using different representations, including the number line
Number – number and place value	Unit 1	Place value within 1,000	6	Partition numbers to 1,000 flexibly	Recognise the place value of each digit in a three-digit number (100s, 10s, 1s)	
Number – number and place value	Unit 1	Place value within 1,000	7	100s, 10s and 1s	Recognise the place value of each digit in a three-digit number (100s, 10s, 1s)	Identify, represent and estimate numbers using different representations, including the number line
Number – number and place value	Unit 1	Place value within 1,000	8	Use a number line to 1,000	Identify, represent and estimate numbers using different representations, including the number line	Recognise the place value of each digit in a three-digit number (100s, 10s, 1s)
Number – number and place value	Unit 1	Place value within 1,000	9	Estimate on a number line to 1,000	Identify, represent and estimate numbers using different representations, including the number line	
Number – number and place value	Unit 1	Place value within 1,000	10	Find 1, 10 and 100 more or less	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	Recognise the place value of each digit in a three-digit number (100s, 10s, 1s)
Number – number and place value	Unit 1	Place value within 1,000	11	Compare numbers to 1,000	Compare and order numbers up to 1,000	Recognise the place value of each digit in a three-digit number (100s, 10s, 1s)
Number – number and place value	Unit 1	Place value within 1,000	12	Order numbers to 1,000	Compare and order numbers up to 1,000	Recognise the place value of each digit in a three-digit number (100s, 10s, 1s)
Number – number and place value	Unit 1	Place value within 1,000	13	Count in 50s	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	1	Apply number bonds within 10	Recognise the place value of each digit in a two-digit number (10s, 1s) (Year 2)	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	2	Add/subtract 1s	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	3	Add/subtract 10s	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds	
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	4	Add/subtract 100s	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	5	Spot the pattern	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	6	Add 1s across 10	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	7	Add 10s across 100	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	8	Subtract 1s across 10	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	9	Subtract 10s across 100	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 2	Addition and subtraction (1)	10	Making connections	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	1	Add two numbers	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	2	Subtract two numbers	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	3	Add two numbers (across 10)	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	4	Add two numbers (across 100)	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	5	Subtract two numbers (across 10)	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	6	Subtract two numbers (across 100)	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	7	Add a 3-digit and 2-digit number	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	8	Subtract a 2-digit number from a 3-digit number	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	9	Complements to 100	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	10	Estimate answers	Estimate the answer to a calculation and use inverse operations to check answers	
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	11	Inverse operations	Estimate the answer to a calculation and use inverse operations to check answers	
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	12	Problem solving (1)	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	
Number – addition and subtraction	Unit 3	Addition and subtraction (2)	13	Problem solving (2)	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	
Number – multiplication and division	Unit 4	Multiplication and division (1)	1	Multiplication – equal groups	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Number – multiplication and division	Unit 4	Multiplication and division (1)	2	Use arrays	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Number – multiplication and division	Unit 4	Multiplication and division (1)	3	Multiples of 2	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Number – multiplication and division	Unit 4	Multiplication and division (1)	4	Multiples of 5 and 10	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Number – multiplication and division	Unit 4	Multiplication and division (1)	5	Sharing and grouping	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Number – multiplication and division	Unit 5	Multiplication and division (2)	1	Multiply by 3	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – multiplication and division	Unit 5	Multiplication and division (2)	2	Divide by 3	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	3	The 3 times-table	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	4	Multiply by 4	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	5	Divide by 4	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)6	6	The 4 times-table	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	7	Multiply by 8	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	8	Divide by 8	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	9	The 8 times-table	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	10	Problem solving – multiplication and division (1)	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – multiplication and division	Unit 5	Multiplication and division (2)	11	Problem solving – multiplication and division (2)	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	12	Understand divisibility (1)	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	Unit 5	Multiplication and division (2)	13	Understand divisibility (2)	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

Power Maths Year 3, Textbook 3B (Term 2) overview

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – multiplication and division	6	Multiplication and division (3)	1	Multiples of 10	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	
Number – multiplication and division	6	Multiplication and division (3)	2	Related calculations	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	
Number – multiplication and division	6	Multiplication and division (3)	3	Reasoning about multiplication	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	
Number – multiplication and division	6	Multiplication and division (3)	4	Multiply 2-digits by 1-digit – no exchange	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	
Number – multiplication and division	6	Multiplication and division (3)	5	Multiply 2-digits by 1-digit – exchange	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	
Number – multiplication and division	6	Multiplication and division (3)	6	Expanded written method	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – multiplication and division	6	Multiplication and division (3)	7	Link multiplication and division	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	
Number – multiplication and division	6	Multiplication and division (3)	8	Divide 2-digits by 1-digit – no exchange	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	
Number – multiplication and division	6	Multiplication and division (3)	9	Divide 2-digits by 1-digit –flexible partitioning	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	
Number – multiplication and division	6	Multiplication and division (3)	10	Divide 2-digits by 1-digit with remainders	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	
Number – multiplication and division	6	Multiplication and division (3)	11	How many ways?	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	
Number – multiplication and division	6	Multiplication and division (3)	12	Problem solving – mixed problems (1)	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Number – multiplication and division	6	Multiplication and division (3)	13	Problem solving – mixed problems (2)	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Measurement	7	Length and perimeter	1	Measure in m and cm	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	7	Length and perimeter	2	Measure in cm and mm	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	7	Length and perimeter	3	Metres, centimetres and millimetres	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	7	Length and perimeter	4	Equivalent lengths (m and cm)	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	7	Length and perimeter	5	Equivalent lengths (mm and cm)	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	7	Length and perimeter	6	Compare lengths	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	7	Length and perimeter	7	Add lengths	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	7	Length and perimeter	8	Subtract lengths	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	7	Length and perimeter	9	Measure perimeter	Measure the perimeter of simple 2D shapes	
Measurement	7	Length and perimeter	10	Calculate perimeter	Measure the perimeter of simple 2D shapes	
Measurement	7	Length and perimeter	11	Problem solving – length	Measure the perimeter of simple 2D shapes	
Number – fractions	8	Fractions (1)	1	Understand the denominator of unit fractions	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	
Number – fractions	8	Fractions (1)	2	Compare and order unit fractions	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	
Number – fractions	8	Fractions (1)	3	Understand the numerator of non-unit fractions	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	
Number – fractions	8	Fractions (1)	4	Understand the whole	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – fractions	8	Fractions (1)	5	Compare and order non-unit fractions	Compare and order unit fractions, and fractions with the same denominators	
Number – fractions	8	Fractions (1)	6	Divisions on a number line	Compare and order unit fractions, and fractions with the same denominators	
Number – fractions	8	Fractions (1)	7	Count in fractions on a number line	Compare and order unit fractions, and fractions with the same denominators	
Number – fractions	8	Fractions (1)	8	Equivalent fractions as bar models	Recognise and show, using diagrams, equivalent fractions with small denominators	
Number – fractions	8	Fractions (1)	9	Equivalent fractions on a number line	Recognise and show, using diagrams, equivalent fractions with small denominators	
Number – fractions	8	Fractions (1)	10	Equivalent fractions	Recognise and show, using diagrams, equivalent fractions with small denominators	
Measurement	9	Mass	1	Use scales	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	9	Mass	2	Measure mass	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	9	Mass	3	Measure mass in kilograms and grams	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	9	Mass	4	Equivalent masses	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	9	Mass	5	Compare mass	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	9	Mass	6	Add and subtract mass	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	9	Mass	7	Problem solving – mass	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	10	Capacity	1	Measure capacity and volume in litres and millilitres	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	10	Capacity	2	Measure in litres and millilitres	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	10	Capacity	3	Equivalent capacities and volumes (litres and millilitres)	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Measurement	10	Capacity	4	Compare capacity and volume	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	10	Capacity	5	Add and subtract capacity and volume	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Measurement	10	Capacity	6	Problem solving – capacity	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	

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

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – fractions	11	Fractions (2)	1	Add fractions	Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7}+\frac{1}{7}=\frac{6}{7}$]	
Number – fractions	11	Fractions (2)	2	Subtract fractions	Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7}+\frac{1}{7}=\frac{6}{7}$]	
Number – fractions	11	Fractions (2)	3	Partition the whole	Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7}+\frac{1}{7}=\frac{6}{7}$]	
Number – fractions	11	Fractions (2)	4	Problem solving – add and subtract fractions	Solve problems that involve all of the above	
Number – fractions	11	Fractions (2)	5	Unit fractions of a set of objects	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	
Number – fractions	11	Fractions (2)	6	Non-unit fractions of a set of objects	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	
Number – fractions	11	Fractions (2)	7	Reason with fractions of an amount	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	
Number – fractions	11	Fractions (2)	8	Problem solving – fractions of measures	Solve problems that involve all of the above	
Measurement	12	Money	1	Pounds and pence	Add and subtract amounts of money to give change, using both £ and p in practical contexts	
Measurement	12	Money	2	Convert pounds and pence	Add and subtract amounts of money to give change, using both £ and p in practical contexts	
Measurement	12	Money	3	Add money	Add and subtract amounts of money to give change, using both £ and p in practical contexts	
Measurement	12	Money	4	Subtract money	Add and subtract amounts of money to give change, using both £ and p in practical contexts	
Measurement	12	Money	5	Find change	Add and subtract amounts of money to give change, using both £ and p in practical contexts	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Measurement	13	Time	1	Roman numerals to 12	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	
Measurement	13	Time	2	Tell the time to 5 minutes	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	
Measurement	13	Time	3	Tell the time to the minute	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight
Measurement	13	Time	4	Read time on a digital clock	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
Measurement	13	Time	5	Use am and pm	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
Measurement	13	Time	6	Years, months and days	Know the number of seconds in a minute and the number of days in each month, year and leap year	
Measurement	13	Time	7	Days and hours	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Measurement	13	Time	8	Hours and minutes – start and end times	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight	Compare durations of events [for example to calculate the time taken by particular events or tasks]
Measurement	13	Time	9	Hours and minutes – durations	Compare durations of events [for example to calculate the time taken by particular events or tasks]	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight
Measurement	13	Time	10	Hours and minutes – compare durations	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight	Compare durations of events [for example to calculate the time taken by particular events or tasks]
Measurement	13	Time	11	Minutes and seconds	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight	
Measurement	13	Time	12	Solve problems with time	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight	
Geometry – properties of shapes	14	Angles and properties of shapes	1	Turns and angles	Recognise angles as a property of shape or a description of a turn	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Geometry – properties of shapes	14	Angles and properties of shapes	2	Right angles in shapes	Recognise angles as a property of shape or a description of a turn	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
Geometry – properties of shapes	14	Angles and properties of shapes	3	Compare angles	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	Recognise angles as a property of shape or a description of a turn
Geometry – properties of shapes	14	Angles and properties of shapes	4	Measure and draw accurately	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines
Geometry – properties of shapes	14	Angles and properties of shapes	5	Horizontal and vertical	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	
Geometry – properties of shapes	14	Angles and properties of shapes	6	Parallel and perpendicular	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	
Geometry – properties of shapes	14	Angles and properties of shapes	7	Recognise, draw and describe 2D shapes	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	
Geometry – properties of shapes	14	Angles and properties of shapes	8	Recognise and describe 3D shapes	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	
Geometry – properties of shapes	14	Angles and properties of shapes	9	Make 3D shapes	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	
Statistics	15	Statistics	1	Interpret pictograms (1)	Interpret and present data using bar charts, pictograms and tables	Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables
Statistics	15	Statistics	2	Interpret pictograms (2)	Interpret and present data using bar charts, pictograms and tables	

Strand	Unit	Unit title	Lesson number	Lesson title	NC Objective 1	NC Objective 2
Statistics	15	Statistics	3	Draw pictograms	Interpret and present data using bar charts, pictograms and tables	Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables
Statistics	15	Statistics	4	Interpret bar charts (1)	Interpret and present data using bar charts, pictograms and tables	
Statistics	15	Statistics	5	Interpret bar charts (2)	Interpret and present data using bar charts, pictograms and tables	Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables
Statistics	15	Statistics	6	Collect and represent data in a bar chart	Interpret and present data using bar charts, pictograms and tables	
Statistics	15	Statistics	7	Simple two-way tables	Interpret and present data using bar charts, pictograms and tables	

Power Maths Year 4, yearly overview

Textbook	Strand	Unit		Number of lessons
Textbook A / Practice Workbook A (Term 1)	Number – number and place value	1	Place value – 4-digit numbers (1)	8
	Number – number and place value	2	Place value – 4-digit numbers (2)	8
	Number – addition and subtraction	3	Addition and subtraction	16
	Measurement	4	Measure – area	5
	Number – multiplication and division	5	Multiplication and division (1)	12
Textbook B / Practice Workbook B (Term 2)	Number – multiplication and division	6	Multiplication and division (2)	16
	Measurement	7	Length and perimeter	6
	Number – fractions	8	Fractions (1)	9
	Number – fractions	9	Fractions (2)	8
	Number – fractions (including decimals and percentages	10	Decimals (1)	12
Textbook C / Practice Workbook C (Term 3)	Number – fractions (including decimals and percentages	11	Decimals (2)	7
	Measurement	12	Money	6
	Measurement	13	Time	5
	Geometry – properties of shapes	14	Geometry – angles and 2D shapes	8
	Statistics	15	Statistics	6
	Geometry – position and direction	16	Geometry – position and direction	6

Power Maths Year 4, Textbook 4A (Term 1) overview

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – number and place value	Unit 1	Place value – 4-digit numbers (1)	1	Represent and partition numbers to 1,000	Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)	
Number – number and place value	Unit 1	Place value – 4-digit numbers (1)	2	Number line to 1,000	Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)	
Number – number and place value	Unit 1	Place value – 4-digit numbers (1)	3	Multiples of 1,000	Count in multiples of 6, 7, 9, 25 and 1,000	
Number – number and place value	Unit 1	Place value – 4-digit numbers (1)	4	4-digit numbers	Identify, represent and estimate numbers using different representations	
Number – number and place value	Unit 1	Place value – 4-digit numbers (1)	5	Partition 4-digit numbers flexibly	Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)	
Number – number and place value	Unit 1	Place value – 4-digit numbers (1)	6	Partition 4-digit numbers flexibly	Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)	Identify, represent and estimate numbers using different representations
Number – number and place value	Unit 1	Place value – 4-digit numbers (1)	7	1, 10, 100, 1,000 more or less	Find 1,000 more or less than a given number	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
Number – number and place value	Unit 1	Place value – 4-digit numbers (1)	8	1,000s, 100s, 10s and 1s	Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)	Identify, represent and estimate numbers using different representations
Number – number and place value	Unit 2	Place value – 4-digit numbers (2)	1	Number line to 10,000	Identify, represent and estimate numbers using different representations	Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)
Number – number and place value	Unit 2	Place value – 4-digit numbers (2)	2	Between two multiples	Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)	Count in multiples of 6, 7, 9, 25 and 1000
Number – number and place value	Unit 2	Place value – 4-digit numbers (2)	3	Estimate on a number line to 10,000	Order and compare numbers beyond 1,000	Identify, represent and estimate numbers using different representations
Number – number and place value	Unit 2	Place value – 4-digit numbers (2)	4	Compare and order numbers to 10,000	Order and compare numbers beyond 1,000	Identify, represent and estimate numbers using different representations
Number – number and place value	Unit 2	Place value – 4-digit numbers (2)	5	Round to the nearest 1,000	Round any number to the nearest 10, 100 or 1,000	
Number – number and place value	Unit 2	Place value – 4-digit numbers (2)	6	Round to the nearest 100	Round any number to the nearest 10, 100 or 1,000	
Number – number and place value	Unit 2	Place value – 4-digit numbers (2)	7	Round to the nearest 10	Round any number to the nearest 10, 100 or 1,000	
Number – number and place value	Unit 2	Place value – 4-digit numbers (2)	8	Round to the nearest 1,000, 100 or 10	Round any number to the nearest 10, 100 or 1,000	
Number – addition and subtraction	Unit 3	Addition and subtraction	1	Add and subtract 1s, 10s, 100s, 1,000s	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	Solve number and practical problems that involve all of the above and with increasingly large positive numbers
Number – addition and subtraction	Unit 3	Addition and subtraction	2	Add two 4-digit numbers – one exchange	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	
Number – addition and subtraction	Unit 3	Addition and subtraction	3	Add two 4-digit numbers – one exchange	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – addition and subtraction	Unit 3	Addition and subtraction	4	Add with more than one exchange	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	
Number – addition and subtraction	Unit 3	Addition and subtraction	5	Subtract two 4-digit numbers	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	
Number – addition and subtraction	Unit 3	Addition and subtraction	6	Subtract two 4-digit numbers – one exchange	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	
Number – addition and subtraction	Unit 3	Addition and subtraction	7	Subtract two 4-digit numbers – more than one exchange	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	
Number – addition and subtraction	Unit 3	Addition and subtraction	8	Exchange across two columns	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	
Number – addition and subtraction	Unit 3	Addition and subtraction	9	Efficient methods	Estimate and use inverse operations to check answers to a calculation	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
Number – addition and subtraction	Unit 3	Addition and subtraction	10	Equivalent difference	Estimate and use inverse operations to check answers to a calculation	
Number – addition and subtraction	Unit 3	Addition and subtraction	11	Estimate answers	Estimate and use inverse operations to check answers to a calculation	
Number – addition and subtraction	Unit 3	Addition and subtraction	12	Check strategies	Estimate and use inverse operations to check answers to a calculation	
Number – addition and subtraction	Unit 3	Addition and subtraction	13	Problem solving – one step	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	
Number – addition and subtraction	Unit 3	Addition and subtraction	14	Problem solving – comparison	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	
Number – addition and subtraction	Unit 3	Addition and subtraction	15	Problem solving – two steps	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	
Number – addition and subtraction	Unit 3	Addition and subtraction	16	Problem solving – multi-step problems	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	
Measurement	Unit 4	Measure – area	1	What is area?	Find the area of rectilinear shapes by counting squares	
Measurement	Unit 4	Measure – area	2	Measure area using squares	Find the area of rectilinear shapes by counting squares	
Measurement	Unit 4	Measure – area	3	Count squares	Find the area of rectilinear shapes by counting squares	
Measurement	Unit 4	Measure – area	4	Make shapes	Find the area of rectilinear shapes by counting squares	
Measurement	Unit 4	Measure – area	5	Compare area	Estimate, compare and calculate different measures, including money in pounds and pence	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – multiplication and division	Unit 5	Multiplication and division (1)	1	Multiples of 3	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	2	Multiply and divide by 6	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	3	6 times-table and division facts	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	4	Multiply and divide by 9	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	5	9 times-table and division facts	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	6	The 3, 6 and 9 times-tables	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	7	Multiply and divide by 7	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	8	7 times-table and division facts	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	9	11 and 12 times-tables and division facts	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	Unit 5	Multiplication and division (1)	10	Multiply by 1 and 0	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers	
Number – multiplication and division	Unit 5	Multiplication and division (1)	11	Divide by 1 and itself	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers	
Number – multiplication and division	Unit 5	Multiplication and division (1)	12	Multiply three numbers	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers	

Power Maths Year 4, Textbook 4B (Term 2) overview

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – multiplication and division	6	Multiplication and division (2)	1	Factor pairs	Recognise and use factor pairs and commutativity in mental calculations	
Number – multiplication and division	6	Multiplication and division (2)	2	Multiply and divide by 10	Recall multiplication and division facts for multiplication tables up to 12 × 12	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
Number – multiplication and division	6	Multiplication and division (2)	3	Multiply and divide by 100	Recall multiplication and division facts for multiplication tables up to 12 × 12	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
Number – multiplication and division	6	Multiplication and division (2)	4	Related facts – multiplication	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	6	Multiplication and division (2)	5	Related facts – division	Recall multiplication and division facts for multiplication tables up to 12 × 12	
Number – multiplication and division	6	Multiplication and division (2)	6	Multiply and add	Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as *n* objects are connected to *m* objects	
Number – multiplication and division	6	Multiplication and division (2)	7	Informal written methods	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	
Number – multiplication and division	6	Multiplication and division (2)	8	Multiply 2 digits by 1 digit	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	
Number – multiplication and division	6	Multiplication and division (2)	9	Multiply 3 digits by 1 digit	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	
Number – multiplication and division	6	Multiplication and division (2)	10	Solve multiplication problems	Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as *n* objects are connected to *m* objects	
Number – multiplication and division	6	Multiplication and division (2)	11	Basic division	Recognise and use factor pairs and commutativity in mental calculations	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
Number – multiplication and division	6	Multiplication and division (2)	12	Division and remainders	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
Number – multiplication and division	6	Multiplication and division (2)	13	Divide 2-digit numbers	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers	
Number – multiplication and division	6	Multiplication and division (2)	14	Divide 3-digit numbers	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – multiplication and division	6	Multiplication and division (2)	15	Correspondence problems	Recognise and use factor pairs and commutativity in mental calculations	Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as *n* objects are connected to *m* objects
Number – multiplication and division	6	Multiplication and division (2)	16	Efficient multiplication	Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as *n* objects are connected to *m* objects	Recognise and use factor pairs and commutativity in mental calculations
Measurement	7	Length and perimeter	1	Measure in km and m	Convert between different units of measure [for example, kilometre to metre; hour to minute]	
Measurement	7	Length and perimeter	2	Perimeter on a grid	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	
Measurement	7	Length and perimeter	3	Perimeter of a rectangle	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	
Measurement	7	Length and perimeter	4	Perimeter of rectilinear shapes	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	
Measurement	7	Length and perimeter	5	Find missing lengths in rectilinear shapes	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	
Measurement	7	Length and perimeter	6	Perimeter of polygons	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	
Number – fractions	8	Fractions (1)	1	Count beyond 1	Non-statutory guidance: They practise counting using simple fractions and decimals, both forwards and backwards	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
Number – fractions	8	Fractions (1)	2	Partition a mixed number	Ready to progress criteria (4F–1): Reason about the location of mixed numbers in the linear number system	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
Number – fractions	8	Fractions (1)	3	Number lines with mixed numbers	Ready to progress criteria (4F–1): Reason about the location of mixed numbers in the linear number system	Compare and order unit fractions, and fractions with the same denominators
Number – fractions	8	Fractions (1)	4	Compare and order mixed numbers	Ready to progress criteria (4F–1): Reason about the location of mixed numbers in the linear number system	Compare and order unit fractions, and fractions with the same denominators
Number – fractions	8	Fractions (1)	5	Convert mixed numbers to improper fractions	Ready to progress criteria (4F–2): Convert mixed numbers to improper fractions and vice versa	Recognise and show, using diagrams, equivalent fractions with small denominators
Number – fractions	8	Fractions (1)	6	Convert improper fractions to mixed numbers	Ready to progress criteria (4F–2): Convert mixed numbers to improper fractions and vice versa	Recognise and show, using diagrams, equivalent fractions with small denominators
Number – fractions	8	Fractions (1)	7	Equivalent fractions	Recognise and show, using diagrams, families of common equivalent fractions	Compare and order unit fractions, and fractions with the same denominators
Number – fractions	8	Fractions (1)	8	Equivalent fraction families	Recognise and show, using diagrams, families of common equivalent fractions	Recognise and show, using diagrams, equivalent fractions with small denominators
Number – fractions	8	Fractions (1)	9	Simplify fractions	Recognise and show, using diagrams, families of common equivalent fractions	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – fractions	9	Fractions (2)	1	Add and subtract two or more fractions	Add and subtract fractions with the same denominator	
Number – fractions	9	Fractions (2)	2	Add fractions and mixed numbers	Add and subtract fractions with the same denominator	
Number – fractions	9	Fractions (2)	3	Subtract from mixed numbers	Add and subtract fractions with the same denominator	
Number – fractions	9	Fractions (2)	4	Subtract from whole amounts	Add and subtract fractions with the same denominator	
Number – fractions	9	Fractions (2)	5	Problem solving – add and subtract fractions (1)	Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	
Number – fractions	9	Fractions (2)	6	Problem solving – add and subtract fractions (2)	Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	
Number – fractions	9	Fractions (2)	7	Fraction of an amount	Non-stat lesson. It is not specifically mentioned in the curriculum	Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
Number – fractions	9	Fractions (2)	8	Problem solving – fraction of an amount	Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	
Number – fractions (including decimals and percentages)	10	Decimals (1)	1	Tenths as fractions	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	2	Tenths as decimals	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	3	Tenths on a place value grid	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	4	Tenths on a number line (1)	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	5	Tenths on a number line (2)	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	6	Divide 1 digit by 10	Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – fractions (including decimals and percentages)	10	Decimals (1)	7	Divide 2 digits by 10	Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	8	Hundredths as fractions	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	9	Hundredths as decimals	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	10	Hundredths on a place value grid	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	11	Divide 1 or 2 digits by 100	Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths	
Number – fractions (including decimals and percentages)	10	Decimals (1)	12	Divide by 10 and 100	Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths	

Power Maths Year 4, Textbook 4C (Term 3) overview

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Number – fractions (including decimals and percentages)	11	Decimals (2)	1	Make a whole	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	11	Decimals (2)	2	Partition decimals	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	11	Decimals (2)	3	Flexibly partition decimals	Recognise and write decimal equivalents of any number of tenths or hundredths	
Number – fractions (including decimals and percentages)	11	Decimals (2)	4	Compare decimals	Compare numbers with the same number of decimal places up to two decimal places	
Number – fractions (including decimals and percentages)	11	Decimals (2)	5	Order decimals	Compare numbers with the same number of decimal places up to two decimal places	
Number – fractions (including decimals and percentages)	11	Decimals (2)	6	Round to the nearest whole	Round decimals with one decimal place to the nearest whole number	
Number – fractions (including decimals and percentages)	11	Decimals (2)	7	Halves and quarters as decimals	Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$	
Measurement	12	Money	1	Write money using decimals	Estimate, compare and calculate different measures, including money in pounds and pence	
Measurement	12	Money	2	Convert between pounds and pence	Estimate, compare and calculate different measures, including money in pounds and pence	
Measurement	12	Money	3	Compare amounts of money	Estimate, compare and calculate different measures, including money in pounds and pence	
Measurement	12	Money	4	Estimate with money	Estimate, compare and calculate different measures, including money in pounds and pence	
Measurement	12	Money	5	Calculate with money	Estimate, compare and calculate different measures, including money in pounds and pence	
Measurement	12	Money	6	Solve problems with money	Estimate, compare and calculate different measures, including money in pounds and pence	
Measurement	13	Time	1	Years, months, weeks and days	Convert between different units of measure [for example, kilometre to metre; hour to minute]	
Measurement	13	Time	2	Hours, minutes and seconds	Convert between different units of measure [for example, kilometre to metre; hour to minute]	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Measurement	13	Time	3	Convert between analogue and digital times	Convert between different units of measure [for example, kilometre to metre; hour to minute]	
Measurement	13	Time	4	Convert to the 24 hour clock	Convert between different units of measure [for example, kilometre to metre; hour to minute]	
Measurement	13	Time	5	Problem solving – convert units of time	Convert between different units of measure [for example, kilometre to metre; hour to minute]	
Geometry – properties of shapes	14	Geometry – angles and 2D shapes	1	Identify angles	Identify acute and obtuse angles and compare and order angles up to two right angles by size	
Geometry – properties of shapes	14	Geometry – angles and 2D shapes	2	Compare and order angles	Identify acute and obtuse angles and compare and order angles up to two right angles by size	
Geometry – properties of shapes	14	Geometry – angles and 2D shapes	3	Triangles	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	
Geometry – properties of shapes	14	Geometry – angles and 2D shapes	4	Quadrilaterals	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	
Geometry – properties of shapes	14	Geometry – angles and 2D shapes	5	Polygons	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	
Geometry – properties of shapes	14	Geometry – angles and 2D shapes	6	Reason about polygons	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	
Geometry – properties of shapes	14	Geometry – angles and 2D shapes	7	Lines of symmetry	Identify lines of symmetry in 2D shapes presented in different orientations	
Geometry – properties of shapes	14	Geometry – angles and 2D shapes	8	Complete a symmetric figure	Complete a simple symmetric figure with respect to a specific line of symmetry	
Statistics	15	Statistics	1	Interpret charts	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	
Statistics	15	Statistics	2	Solve problems with charts (1)	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	
Statistics	15	Statistics	3	Solve problems with charts (2)	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	
Statistics	15	Statistics	4	Interpret line graphs (1)	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	
Statistics	15	Statistics	5	Interpret line graphs (2)	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	
Statistics	15	Statistics	6	Draw line graphs	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	

Strand	Unit		Lesson number	Lesson title	NC Objective 1	NC Objective 2
Geometry – position and direction	16	Geometry – position and direction	1	Describe position	Describe positions on a 2D grid as coordinates in the first quadrant	
Geometry – position and direction	16	Geometry – position and direction	2	Describe position using coordinates	Describe positions on a 2D grid as coordinates in the first quadrant	
Geometry – position and direction	16	Geometry – position and direction	3	Plot coordinates	Plot specified points and draw sides to complete a given polygon	Describe positions on a 2D grid as coordinates in the first quadrant
Geometry – position and direction	16	Geometry – position and direction	4	Draw 2D shapes on a grid	Plot specified points and draw sides to complete a given polygon	
Geometry – position and direction	16	Geometry – position and direction	5	Translate on a grid	Describe movements between positions as translations of a given unit to the left/right and up/down	
Geometry – position and direction	16	Geometry – position and direction	6	Describe translation on a grid	Describe movements between positions as translations of a given unit to the left/right and up/down	