

National curriculum to *Power Maths* matching chart KS1

Year 1

National curriculum programmes of study Year 1		<i>Power Maths</i>	
Domain	Pupils should be taught to:	Year 1	Year 2
Number – number and place value	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.	- Textbook 1A – Unit 1, Numbers to 10, Lessons 2–4 (10) - Textbook 1A – Unit 6, Numbers to 20, Lesson 1 (20) - Textbook 1B – Unit 9, Numbers to 50, Lessons 1 and 2 (50) - Textbook 1C – Unit 16, Numbers to 100, Lesson 1	Textbook 2A – Unit 1, Numbers to 100, Lesson 1
	Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens.	- Textbook 1A – Unit 1, Numbers to 10, Lessons 3 and 4 (10) - Textbook 1B – Unit 9, Numbers to 50, Lessons 8 and 9 (2s, 5s) - Textbook 1C – Unit 12, Multiplication, Lesson 1 - Textbook 1C – Unit 16, Numbers to 100, Lessons 1 and 2 - Textbook 1C – Unit 18, Money, Lesson 3	- Textbook 2A – Unit 1, Numbers to 100, Lessons 1–5 and 9 - Textbook 2A – Unit 5, Multiplication and division (1), Lessons 1–8
	Given a number, identify one more and one less.	- Textbook 1A – Unit 1, Numbers to 10, Lessons 5 and 6 - Textbook 1A – Unit 6, Numbers to 20, Lesson 4 - Textbook 1B – Unit 9, Numbers to 50, Lesson 5 - Textbook 1C – Unit 16, Numbers to 100, Lesson 2	

National curriculum programmes of study Year 1		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
Number – addition and subtraction	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.	- Textbook 1A – Unit 1, Numbers to 10, Lessons 1, 2, 5–12 - Textbook 1A – Unit 6, Numbers to 20, Lessons 1–7 - Textbook 1B – Unit 9, Numbers to 50, Lessons 3–7 - Textbook 1C – Unit 16, Numbers to 100, Lessons 1, 3–7	Textbook 1A – Unit 1, Numbers to 100, Lessons 2–6 and 10
	Read and write numbers from 1 to 20 in numerals and words.	Textbook 1A – Unit 1, Numbers to 10, Lesson 3 (10)	
	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs.	- Textbook 1A – Unit 2, Part-whole within 10, Lessons 2 and 3 - Textbook 1A – Unit 3, Addition and subtraction within 10 (1), Lesson 5 - Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lessons 7–12 - Textbook 1B – Unit 8, Subtraction within 20, Lesson 7	Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 1, 3 and 4
	Represent and use number bonds and related subtraction facts within 20.	- Textbook 1A – Unit 2, Part-whole within 10, Lessons 1–5 - Textbook 1A – Unit 3, Addition and subtraction within 10 (1), Lessons 1–6 (10) - Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lessons 1–6 (10) - Textbook 1B – Unit 7, Addition within 20, Lessons 2–6 - Textbook 1B – Unit 8, Subtraction within 20, Lessons 1–4 and 6 - Textbook 1C – Unit 16, Numbers to 100, Lessons 8 and 9	

National curriculum programmes of study Year 1		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
	Add and subtract one-digit and two-digit numbers to 20, including zero.	- Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lessons 7–9 and 12 - Textbook 1B – Unit 7, Addition within 20, Lessons 1–6 - Textbook 1B – Unit 8, Subtraction within 20, Lessons 1–4	Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 9–12
	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$.	- Textbook 1A – Unit 3, Addition and subtraction within 10 (1), Lesson 6 - Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lessons 1, 2 and 7–12 - Textbook 1B – Unit 7, Addition within 20, Lesson 6 - Textbook 1B – Unit 8, Subtraction within 20, Lessons 5, 7 and 8 - Textbook 1B – Unit 9, Numbers to 50, Lessons 10 and 11 - Textbook 1B – Unit 10, Introducing length and height, Lesson 5 - Textbook 1B – Unit 11, Introducing weight and volume, Lesson 7 - Textbook 1C – Unit 17, Time, Lesson 7	Textbook 2C – Unit 12, Problem solving and efficient methods, Lessons 10
Number – multiplication and division	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	- Textbook 1C – Unit 12, Multiplication, Lessons 2–6 - Textbook 1C – Unit 13, Division, Lessons 1–5	Textbook 2A – Unit 5, Multiplication and division (1), Lessons 1 and 3
Number – fractions	Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	Textbook 1C – Unit 14, Halves and quarters, Lessons 1, 2 and 5	Textbook 2B – Unit 10, Fractions, Lessons 1–4

National curriculum programmes of study Year 1		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
Measurement	Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	Textbook 1C – Unit 14, Halves and quarters, Lessons 3–5	Textbook 2B – Unit 10, Fractions, Lessons 5 and 6
	- Compare, describe and solve practical problems for: - lengths and heights (for example, long/short, longer/shorter, tall/short, double/half) - mass/weight (for example, heavy/light, heavier than, lighter than) - capacity and volume (for example, full/empty, more than, less than, half, half full, quarter) - time (for example, quicker, slower, earlier, later).	- Textbook 1B – Unit 10, Introducing length and height, Lessons 1 and 5 - Textbook 1B – Unit 11, Introducing weight and volume, Lessons 1–7 - Textbook 1C – Unit 17, Time, Lessons 6 and 7	- Textbook 2B – Unit 8, Length and height, Lesson 1 - Textbook 2C – Unit 14, Weight, volume and temperature, Lessons 1 and 5
	- Measure and begin to record the following: - lengths and heights - mass/weight - capacity and volume - time (hours, minutes, seconds).	- Textbook 1B – Unit 10, Introducing length and height, Lessons 2–4 - Textbook 1B – Unit 11, Introducing weight and volume, Lesson 6 - Textbook 1C – Unit 17, Time, Lesson 5	- Textbook 2B – Unit 8, Length and height, Lessons 1–3 - Textbook 2C – Unit 13, Time, Lessons 1–9 - Textbook 2C – Unit 14, Weight, volume and temperature, Lessons 2–4, 6–8
	Recognise and know the value of different denominations of coins and notes.	Textbook 1C – Unit 18, Money, Lessons 1–3	Textbook 2A – Unit 4, Money, Lessons 1, 2, 4–6
	Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening).	Textbook 1C – Unit 17, Time, Lesson 1	
	Recognise and use language relating to dates, including days of the week, weeks, months and years.	Textbook 1C – Unit 17, Time, Lesson 2	

National curriculum programmes of study Year 1		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
	Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	Textbook 1C – Unit 17, Time, Lessons 3 and 4	Textbook 2C – Unit 13, Time, Lesson 1
Geometry – properties of shape	- Recognise and name common 2D and 3D shapes, including: 2D shapes (for example, rectangles (including squares), circles and triangles) 3D shapes (for example, cuboids (including cubes), pyramids and spheres).	Textbook 1A – Unit 5, Lessons 1–5	Textbook 2B – Unit 9, Properties of shapes, Lesson 1
Geometry – position and direction	Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	Textbook 1C – Unit 15, Position and direction, Lessons 1–3	Textbook 2C – Unit 11, Position and direction, Lessons 2 and 3

Year 2

National curriculum programmes of study Year 2		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
Number – number and place value	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.	- Textbook 1B – Unit 9, Numbers to 50, Lessons 8 and 9 (2s and 5s) - Textbook 1C – Unit 12, Multiplication, Lesson 1 (2s and 5s)	- Textbook 2A – Unit 1, Numbers to 100, Lessons 9 and 10 - Textbook 2A – Unit 2, Addition and subtraction (1), Lesson 7
	Recognise the place value of each digit in a two-digit number (tens, ones).	- Textbook 1A – Unit 6, Numbers to 20, Lessons 1 and 2 - Textbook 1B – Unit 9, Numbers to 50, Lesson 3 - Textbook 1C – Unit 16, Numbers to 100, Lessons 3 and 4	Textbook 2A – Unit 1, Numbers to 100, Lessons 3–5
	Identify, represent and estimate numbers using different representations, including the number line		Textbook 2A – Unit 1, Numbers to 100, Lessons 2–6 and 10
	Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs.	- Textbook 1A – Unit 6, Numbers to 20, Lessons 8 and 9 (20) - Textbook 1B – Unit 9, Numbers to 50, Lessons 5 and 7 (50) - Textbook 1C – Unit 16, Numbers to 100, Lessons 5 and 6	Textbook 2A – Unit 1, Numbers to 100, Lessons 6–8
	Read and write numbers to at least 100 in numerals and in words.	Textbook 1C – Unit 16, Numbers to 100, Lessons 1 and 2	Textbook 2A – Unit 1, Numbers to 100, Lessons 1 and 2
	Use place value and number facts to solve problems.		Textbook 2C – Unit 12, Problem solving and efficient methods, Lessons 1–5, 7 and 10

National curriculum programmes of study Year 2		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
Number – addition and subtraction	- Solve problems with addition and subtraction: - using concrete objects and pictorial representations, including those involving numbers, quantities and measures - applying their increasing knowledge of mental and written methods.	- Textbook 1A – Unit 3, Addition and subtraction within 10 (1), Lesson 6 - Textbook 1A – Unit 4, Addition and subtraction within 10 (2), Lesson 12 - Textbook 1B – Unit 7, Addition within 20, Lesson 6 - Textbook 1B – Unit 8, Subtraction within 20, Lesson 8 - Textbook 1B – Unit 9, Numbers to 50, Lessons 10 and 11	- Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 3–12 - Textbook 2A – Unit 3, Addition and subtraction (2), Lessons 1–9 - Textbook 2B – Unit 8, Length and height, Lesson 5 - Textbook 2C – Unit 12, Problem solving and efficient methods, Lessons 5, 8, 9 and 11
	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.	Textbook 1C – Unit 16, Numbers to 100, Lessons 8 and 9	Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 1–5
	- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones. - a two-digit number and tens - two two-digit numbers. - adding three one-digit numbers.		- Textbook 2A – Unit 2, Addition and subtraction (1), Lessons 6, 8–12 - Textbook 2A – Unit 3, Addition and subtraction (2), Lessons 1–7 - Textbook 2C – Unit 12, Problem solving and efficient methods, Lesson 10
	Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.		Textbook 2A – Unit 2, Addition and subtraction (1), Lesson 2
	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.		- Textbook 2A – Unit 2, Addition and subtraction (1), Lesson 2 - Textbook 2C – Unit 12, Problem solving and efficient methods, Lessons 1, 3, 4, 6, 7 and 11
Number – multiplication and division	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.		- Textbook 2A – Unit 5, Multiplication and division (1), Lessons 6–8 - Textbook 2B – Unit 6, Multiplication and division (2), Lessons 3–6

National curriculum programmes of study Year 2		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ($\times$), division ($\div$) and equals ($=$) signs.		- Textbook 2A – Unit 5, Multiplication and division (1), Lessons 2 and 5 - Textbook 2B – Unit 6, Multiplication and division (2), Lessons 1 and 2
	Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.		Textbook 2C – Unit 12, Problem solving and efficient methods, Lesson 12
	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.		- Textbook 2A – Unit 5, Multiplication and division (1), Lessons 2–5 and 9 - Textbook 2B – Unit 6, Multiplication and division (2), Lessons 1–3 and 7–9 - Textbook 2C – Unit 12, Problem solving and efficient methods, Lesson 12
Number – fractions	Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.		Textbook 2B – Unit 10, Fractions, Lessons 5–7 and 10–12
	Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.		Textbook 2B – Unit 10, Fractions, Lessons 8, 9, 13 and 14
Measurement	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.	Textbook 1B – Unit 10, Introducing length and height, Lessons 4 and 5	- Textbook 2B – Unit 8, Length and height, Lessons 1 and 2 - Textbook 2C – Unit 14, Weight, volume and temperature, Lessons 2–4 and 6–10

National curriculum programmes of study Year 2		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
	Compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$.	Textbook 1B – Unit 11, Introducing weight and volume, Lessons 3 and 6	- Textbook 2B – Unit 8, Length and height, Lessons 3 and 4 - Textbook 2C – Unit 14, Weight, volume and temperature, Lessons 1 and 3–5
	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.	Textbook 1C – Unit 18, Money, Lesson 3	Textbook 2A – Unit 4, Money, Lessons 1–3
	Find different combinations of coins that equal the same amounts of money.		Textbook 2A – Unit 4, Money, Lessons 4 and 5
	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.		Textbook 2A – Unit 4, Money, Lessons 6–9
	Compare and sequence intervals of time.		Textbook 2C – Unit 13, Time, Lessons 5, 6 and 8
	Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.		Textbook 2C – Unit 13, Time, Lessons 2 and 3
	Know the number of minutes in an hour and the number of hours in a day.		Textbook 2C – Unit 13, Time, Lessons 4, 7 and 9
Geometry – properties of shapes	Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.		Textbook 2B – Unit 9, Properties of shapes, Lessons 2–5
	Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.	Textbook 1A – Unit 5, 2D and 3D shapes, Lesson 4	Textbook 2B – Unit 9, Properties of shapes, Lessons 8–10

National curriculum programmes of study Year 2		Power Maths	
Domain	Pupils should be taught to:	Year 1	Year 2
	Identify 2D shapes on the surface of 3D shapes (for example, a circle on a cylinder and a triangle on a pyramid).	Textbook 1A – Unit 5, 2D and 3D shapes, Lesson 4	Textbook 2B – Unit 9, Properties of shapes, Lesson 8
	Compare and sort common 2D and 3D shapes and everyday objects.	Textbook 1A – Unit 5, 2D and 3D shapes, Lesson 3	Textbook 2B – Unit 9, Properties of shapes, Lessons 1, 6 and 11
Geometry – position and direction	Order and arrange combinations of mathematical objects in patterns and sequences.	Textbook 1A – Unit 5, 2D and 3D shapes, Lesson 5	- Textbook 2B – Unit 9, Properties of shapes, Lessons 7 and 12 - Textbook 2C – Unit 11, Position and direction, Lesson 4
	Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).		Textbook 2C – Unit 11, Position and direction, Lessons 1–4
Statistics	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.		Textbook 2B – Unit 7, Statistics, Lessons 1–6
	Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.		Textbook 2B – Unit 7, Statistics, Lessons 4–7
	Ask and answer questions about totalling and comparing categorical data.		Textbook 2B – Unit 7, Statistics, Lessons 4–7