Ready-to-progress criteria to *Power Maths* matching chart

This chart shows which *Power Maths* units include lessons that teach the concept described in the Ready-to-progress criteria. We have picked out some key lessons from the units. Some criteria include more than one concept, which are taught in different *Power Maths* units. Occasionally Power Maths teaches a concept in a different context to that described specifically in a criterion.

Year 1

Government guidance		Power Maths	
Strand	**Year 1 ready-to-progress criteria**	**Power Maths Unit**	**Key lessons**
Number and place value (NPV)			
	1NPV–1 Count within 100, forwards and backwards, starting with any number.	1A Unit 1 Numbers to 10	Lesson 3 Counting and writing numbers to 10 Lesson 4 Counting backwards from 10 to 0 Lesson 5 Counting one more Lesson 6 Counting one less
		1A Unit 6 Numbers to 20	Lesson 1 Counting and writing numbers to 20 Lesson 4 Counting one more, one less
		1B Unit 9 Numbers to 50	Lesson 1 Counting to 50 (1) Lesson 2 Counting to 50 (2)
		1C Unit 16 Numbers to 100	Lesson 1 Counting to 100
	1NPV–2 Reason about the location of numbers to 20 within the linear number system, including comparing using < > and =	1A Unit 1 numbers to 10	Lesson 10 Ordering objects and numbers Lesson 12 The number line
		1A Unit 6 Numbers to 20	Lesson 6 Comparing numbers Lesson 7 Ordering objects and numbers
Number facts (NF)			
	1NF–1 Develop fluency in addition and subtraction facts within 10.	1A Unit 3 Addition and subtraction within 10 (1)	Lesson 1 Finding the whole – adding together Lesson 2 Finding the whole – adding more Lesson 3 Finding a part Lesson 4 Finding and making number bonds

		1A Unit 4 Addition and subtraction within 10 (2)	Lesson 5 Related facts – addition and subtraction (1) Lesson 6 Related facts – addition and subtraction (2)

	1NF–2 Count forwards and backwards in multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers.	1B Unit 9 Numbers to 50	Lesson 8 Counting in 2s Lesson 9 Counting in 5s
		1C Unit 12 Multiplication	Lesson 1 Counting in 10s, 5s and 2s
Addition and subtraction (AS)			
	1AS–1 Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers.	1A Unit 2 Part-whole within 10	Lesson 1 The part-whole model (1) Lesson 2 The part-whole model (2) Lesson 3 Related facts – number bonds
	1AS–2 Read, write and interpret equations containing addition (+), subtraction (–) and equals (=) symbols, and relate additive expressions and equations to real-life contexts.	1A Unit 2 Part-whole within 10	Lesson 4 Finding number bonds
		1A Unit 3 Addition and subtraction within 10 (1)	Lesson 5 Finding addition facts Lesson 6 Solving word problems - addition
		1A Unit 4 Addition and subtraction within 10 (2)	Lesson 1 Subtraction – how many are left (1) Lesson 2 Subtraction – how many are left (2) Lesson 8 Subtraction – finding the difference Lesson 9 Solving word problems - subtraction Lesson 12 Solving word problems – addition and subtraction

		1B Unit 7 Addition within 20	Lessons 1 Add by counting on Lesson 2 Adding ones Lesson 3 Finding number bonds Lesson 4 Add by making 10 (1) Lesson 5 Add by making 10 (2) Solving word problems - addition
		1B Unit 8 Subtraction within 20	Lesson 1 Subtracting ones Lesson 2 subtracting tens and ones Lesson 5 Solving word and picture problems – subtraction Lesson 6 Addition and subtraction facts to 20 Lesson 8 Solving word and picture problems – addition and subtraction
		1B Unit 9 Numbers to 50	Lesson 10 Solving word problems – addition and subtraction (1) Lesson 11 Solving word problems – addition and subtraction (2)
Geometry (G)			
	1G–1 Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another.	1A Unit 5 2D and 3D shapes	Lesson 1 Naming 3D shapes (1) Lesson 2 Naming 3D shapes (2) Lesson 3 Naming 2D shapes (1) Lesson 4 Naming 2D shapes (2) Lesson 5 Making patterns with shapes
	1G–2 Compose 2D and 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations.	1A Unit 5 2D and 3D shapes	Lesson 1 Naming 3D shapes (1) Lesson 2 Naming 3D shapes (2) Lesson 3 Naming 2D shapes (1) Lesson 4 Naming 2D shapes (2) Lesson 5 Making patterns with shapes

Ready-to-progress criteria to *Power Maths* matching chart Year 2

Government guidance		Power Maths	
Strand	**Year 2 ready-to-progress criteria**	**Power Maths Unit**	**Key lessons**
Number and place value (NPV)			
	2NPV–1 Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers using standard and non-standard partitioning.	2A Unit 1 Numbers to 100	Lesson 3 Tens and ones (1) Lesson 4 Tens and ones (2) Lesson 5 Representing numbers on a place value grid
	2NPV–2 Reason about the location of any two-digit number in the linear number system, including identifying the previous and next multiple of 10.	2A Unit 1 Numbers to 100	Lesson 6 Comparing numbers (1) Lesson 7 Comparing numbers (2) Lesson 8 Ordering numbers
Number facts (NF)			
	2NF–1 Secure fluency in addition and subtraction facts within 10, through continued practice.	2A Unit 2 Addition and subtraction (1)	Lesson 1 Related facts – addition and subtraction Lesson 2 Using number facts to check calculations Lesson 5 Making number bonds Lesson 6 Adding and subtracting 1s

Addition and subtraction (AS)			
	2AS–1 Add and subtract across 10.	2A Unit 2 Addition and subtraction (1)	Lesson 9 Adding a 2-digit and 1-digit number (1) Lesson 10 Adding a 2-digit and 1-digit number (2) Lesson 11 Subtracting a 1-digit number from a 2-digit number (1) Lesson 12 Subtracting a 1-digit number from a 2-digit number (2)
	2AS–2 Recognise the subtraction structure of 'difference' and answer questions of the form, "How many more…?".	2A Unit 3 Addition and subtraction (2)	Lesson 3 Subtracting a 2-digit number from another 2-digit number (1) Lesson 4 Subtracting a 2-digit number from another 2-digit number (2)
	2AS–3 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract only ones or only tens to/from a two-digit number.	2A Unit 3 Addition and subtraction (2)	Lesson 1 Adding two 2-digit numbers (1) Lesson 3 Subtracting a 2-digit number from another 2-digit number (1) Lesson 4 Subtracting a 2-digit number from another 2-digit number (2)

	2AS–4 Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract any 2 two-digit numbers.	2A Unit 3 Addition and subtraction (2)	Lesson 2 Adding two 2-digit numbers (2) Lesson 5 Subtracting a 2-digit number from another 2-digit number (3) Lesson 6 Subtracting a 2-digit number from another 2-digit number (4)
		2C Unit 12 Problem solving and efficient methods	Lesson 10 Solving problems – addition and subtraction
Multiplication and division (MD)			
	2MD–1 Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables.	2A Unit 5 Multiplication and division (1)	Lesson 2 Multiplication as equal groups Lesson 3 Adding equal groups
	2MD–2 Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotitive division).	2B Unit 6 Multiplication and division (2)	Lesson 1 Making equal groups Lesson 2 Sharing and grouping
		2C Unit 12 Problem solving and efficient methods	Lesson 11 Solving problems – multiplication and division

Geometry (G)			
	2G–1 Use precise language to describe the properties of 2D and 3D shapes, and compare shapes by reasoning about similarities and differences in properties.	2B Unit 9 Properties of shapes	Lesson 1 Recognising 2D and 3D shapes Lesson 3 Counting sides on 2D shapes Lesson 4 Counting vertices on 2D shapes Lesson 5 Finding lines of symmetry Lesson 6 Sorting 2D shapes Lesson 7 Making patterns with 2D shapes Lesson 8 Counting faces on 3D shapes Lesson 9 Counting edges on 3D shapes Lesson 10 Counting vertices on 3D shapes Lesson 11 Sorting 3D shapes

Ready-to-progress criteria to *Power Maths* matching chart Year 3

Government guidance		Power Maths	
Strand	**Year 3 ready-to-progress criteria**	**Power Maths Unit**	**Key lessons**
Number and place value (NPV)			
	3NPV–1 Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.	3A Unit 1 Place value within 1,000	Lesson 1 Counting in 100s Lesson 2 Representing numbers to 1,000 Lesson 3 100s, 10s and 1s (1) Lesson 4 100s, 10s and 1s (2)
	3NPV–2 Recognise the place value of each digit in *three*-digit numbers, and compose and decompose *three*-digit numbers using standard and non-standard partitioning.	3A Unit 1 Place value within 1,000	Lesson 2 Representing numbers to 1,000 Lesson 3 100s, 10s and 1s (1) Lesson 4 100s, 10s and 1s (2)
	3NPV–3 Reason about the location of any *three*-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.	3A Unit 1 Place value within 1,000	Lesson 5 The number line to 1,000 (1) Lesson 6 The number line to 1,000 (2) Lesson 7 Finding 1, 10 and 100 more or less Lesson 8 Comparing numbers to 1,000 (1) Lesson 9 Comparing numbers to 1,000 (2) Lesson 10 Ordering numbers to 1,000
	3NPV–4 Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.	3A Unit 1 Place value within 1,000	Lesson 5 The number line to 1,000 (1) Lesson 6 The number line to 1,000 (2)
		3A Unit 4 Multiplication and division (1)	Lesson 1 Multiplication - equal grouping Lesson 6 Dividing by 4

Number facts (NF)			
	3NF–1 Secure fluency in addition and subtraction facts that bridge 10, through continued practice.	3A Unit 2 Addition and subtraction (1)	Lesson 3 Adding a 3-digit number and 1s Lesson 4 Subtracting 1s from a 3-digit number Lesson 9 Adding a 3-digit and 2-digit number Lesson 10 Subtracting a 2-digit number from a 3-digit number
		3A Unit 3 Addition and subtraction (2)	Lesson 3 Adding two 3-digit numbers (2) Lesson 5 Subtracting a 3-digit number from a 3-digit number (2)
	3NF–2 Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.	3A Unit 4 Multiplication and division (1)	Lesson 1 Multiplication - equal grouping Lesson 5 Multiplying by 4 Lesson 6 Dividing by 4 Lesson 7 4 times-table Lesson 8 Multiplying by 8 Lesson 9 Dividing by 8 Lesson 10 8 times-table Lesson 13 Understanding divisibility (1) Lesson 15 Related facts - multiplication and division
	3NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).	3A Unit 2 Addition and subtraction (1)	Lesson 1 Adding and subtracting 100s
		3A Unit 3 Addition and subtraction (2)	Lesson 1 Addition and subtraction patterns
		3A Unit 4 Multiplication and division (1)	Lesson 11 Problem solving - multiplication and division (1) Lesson 12 Problem solving - multiplication and division (2) Lesson 15 Related facts - multiplication and division

		3A Unit 5 Multiplication and division (2)	Lesson 2 Related multiplication calculations Lesson 3 Related multiplication and division calculations
Addition and subtraction (AS)			
	3AS–1 Calculate complements to 100.	2A Unit 2 Addition and subtraction (1)	Lesson 5 Making number bonds to 100
		3A Unit 2 Addition and subtraction (1)	Lesson 2 Adding and subtracting a 3-digit number and 1s
		3A Unit 3 Addition and subtraction (2)	Lesson 7 Checking strategies
	3AS–2 Add and subtract up to three-digit numbers using columnar methods.	3A Unit 2 Addition and subtraction (1)	Lesson 8 Adding and subtracting a 3-digit and 2-digit number Lesson 9 Adding a 3-digit and 2-digit number Lesson 10 Subtracting a 2-digit number from a 3-digit number
		3A Unit 3 Addition and subtraction (2)	Lesson 2 Adding two 3-digit numbers (1) Lesson 3 Adding two 3-digit numbers (2) Lesson 4 Subtracting a 3-digit number from a 3-digit number (1) Lesson 5 Subtracting a 3-digit number from a 3-digit number (2)

	3AS–3 Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.	3A Unit 3 Addition and subtraction (2)	Lesson 6 Estimating answers to additions and subtractions Lesson 7 Checking strategies
Multiplication and division (MD)			
	3MD–1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division.	3A Unit 4 Multiplication and division (1)	Lesson 11 Problem solving - multiplication and division (1) Lesson 12 Problem solving - multiplication and division (2)
Fractions (F)			
	3F–1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.	3B Unit 9 Fractions (1)	Lesson 1 Unit and non unit fractions Lesson 2 Making the whole
	3F–2 Find unit fractions of quantities using known division facts (multiplication tables fluency).	3B Unit 9 Fractions (1)	Lesson 8 Fractions of a set of objects (1) Lesson 9 Fractions of a set of objects (2) Lesson 10 Fractions of a set of objects (3) Lesson 11 Problem solving - fractions
	3F–3 Reason about the location of any fraction within 1 in the linear number system.	3B Unit 9 Fractions (1)	Lesson 5 Fractions as numbers (1) Lesson 6 Fractions as numbers (2) Lesson 7 Fractions as numbers (3)
		3C Unit 10 Fractions (2)	Lesson 4 Comparing fractions Lesson 5 Comparing and ordering fractions

	3F–4 Add and subtract fractions with the same denominator, within 1.	3C Unit 10 Fractions (2)	Lesson 6 Adding fractions Lesson 7 Subtracting fractions Lesson 8 Problem solving - adding and subtracting fractions
Geometry (G)			
	3G–1 Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D shapes presented in different orientations.	3C Unit 12 Angles and properties of shapes	Lesson 1 Turns and angles Lesson 2 Right angles in shapes
	3G–2 Draw polygons by joining marked points, and identify parallel and perpendicular sides.	3C Unit 12 Angles and properties of shapes	Lesson 4 Drawing accurately Lesson 5 Types of line (1) Lesson 6 Types of line (2) Lesson 7 Recognising and describing 2D shapes

Ready-to-progress criteria to *Power Maths* matching chart Year 4

Government guidance		Power Maths	
Strand	**Year 4 ready-to-progress criteria**	**Power Maths Unit**	**Key lessons**
Number and place value (NPV)			
	4NPV–1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.	4A Unit 1 Place value – 4-digit numbers (1)	Lesson 1 Numbers to 1,000 Lesson 5 Representing 4-digit numbers
		4A Unit 2 Place value – 4-digit numbers (2)	Lesson 2 Comparing 4-digit numbers (1) Lesson 3 Comparing 4-digit numbers (2)
	4NPV–2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and nonstandard partitioning.	4A Unit 1 Place value – 4-digit numbers (1)	Lesson 5 Representing 4-digit numbers Lesson 6 1,000s, 100s, 10s and 1s
	4NPV–3 Reason about the location of any four digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.	4A Unit 1 Place value – 4-digit numbers (1)	Lesson 4 Counting in 1,000s Lesson 7 The number line to 10,000 (1) Lesson 8 The number line to 10,000 (2)
		4A Unit 2 Place value – 4-digit numbers (2)	Lesson 1 Finding 1,000 more or less Lesson 2 Comparing 4-digit numbers (1) Lesson 3 Comparing 4-digit numbers (2) Lesson 4 Ordering numbers to 10,000 Lesson 5 Rounding to the nearest 1,000 Lesson 6 Solving problems using rounding
	4NPV–4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts	4A Unit 1 Place value – 4-digit numbers (1)	Lesson 7 The number line to 10,000 (1) Lesson 8 The number line to 10,000 (2)
		4A Unit 2 Place value – 4-digit numbers (2)	Lesson 7 Counting in 25s

Number facts (NF)			
	4NF–1 Recall multiplication and division facts up to 12 x 12, and recognise products in multiplication tables as multiples of the corresponding number	4A Unit 5 Multiplication and division (1)	Lesson 1 Multiplying by multiples of 10 and 100 Lesson 2 Dividing multiples of 10 and 100 Lesson 3 Multiplying by 0 and 1 Lesson 4 Dividing by 1 Lesson 5 Multiplying and dividing by 6 Lesson 6 6 times-table Lesson 7 Multiplying and dividing by 9 Lesson 8 9 times-table Lesson 9 Multiplying and dividing by 7 Lesson 10 7 times-table Lesson 11 11 and 12 times-tables
	4NF–2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context.	4B Unit 6 Multiplication and division (2)	Lesson 10 Dividing a 2-digit number by a 1-digit number (1) Lesson 11 Division with remainders Lesson 12 Dividing a 2-digit number by a 1-digit number (2) Lesson 13 Dividing a 2-digit number by a 1-digit number (3)
	4NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)	4A Unit 3 Addition and subtraction	Lesson 1 Adding and subtracting 1s, 10s, 100s, 1,000s Lesson 11 Checking strategies Lessons 12 to 15 Problem solving – addition and subtraction
		4B Unit 6 Multiplication and division (2)	Lesson 1 Problem solving – addition and multiplication

Multiplication and division (MD)			
	4MD–1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.	4A Unit 5 Multiplication and division (1)	Lesson 1 multiplying by 10 and 100
	4MD–2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication.	4B Unit 6 Multiplication and division (2)	Lesson 7 Multiplying more than two numbers (1) Lesson 8 Multiplying more than two numbers (2)
	4MD–3 Understand and apply the distributive property of multiplication.	4B Unit 6 Multiplication and division (2)	Lesson 1 Problem solving – addition and multiplication
Fractions (F)			
	4F–1 Reason about the location of mixed numbers in the linear number system.	4B Unit 8 Fractions (1)	Lesson 6 Fractions greater than 1 (1) Lesson 7 Fractions greater than 1 (2)
	4F–2 Convert mixed numbers to improper fractions and vice versa.	4B Unit 8 Fractions (1)	Lesson 7 Fractions greater than 1 (2)
	4F–3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers	4B Unit 9 Fractions (2)	Lesson 1 Adding fractions Lesson 2 Subtracting fractions (1) Lesson 3 Subtracting fractions (2) Lesson 4 Problem solving – adding and subtracting fractions (1) Lesson 5 Problem solving – adding and subtracting fractions (2)
Geometry (G)			
	4G–1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant.	4C Unit 16 Geometry – position and direction	Lesson 3 Drawing on a grid Lesson 4 Reasoning on a grid Lesson 5 Moving on a grid Lesson 6 Describing a movement on a grid

	4G–2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons.	4C Unit 15 Geometry – angles and 2D shapes	Lesson 3 Identifying regular and irregular shapes Lesson 4 Classifying triangles Lesson 5 Classifying and comparing quadrilaterals Lesson 6 Deducing facts about shapes
		4A Unit 4 Measure	Lesson 1 Perimeter of a rectangle (1) Lesson 2 Perimeter of a rectangle (2) Lesson 3 Perimeter of rectilinear shapes (1) Lesson 4 Perimeter of rectilinear shapes (2)
	4G–3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.	4C Unit 15 Geometry – angles and 2D shapes	Lesson 7 Lines of symmetry inside a shape Lesson 9 Completing a symmetric figure Lesson 10 Completing a symmetric shape

Ready-to-progress criteria to *Power Maths* matching chart Year 5

Government guidance		Power Maths	
Strand	**Year 5 ready-to-progress criteria**	**Power Maths Unit**	**Key lessons**
Number and place value (NPV)			
	5NPV–1 Know that 10 tenths are equivalent to 1 one, and that 1 is 10 times the size of 0.1. Know that 100 hundredths are equivalent to 1 one, and that 1 is 100 times the size of 0.01. Know that 10 hundredths are equivalent to 1 tenth, and that 0.1 is 10 times the size of 0.01.	5B Unit 11 Decimals and percentages	Lesson 5 Understanding thousandths Lesson 6 Writing thousandths as decimals
	5NPV–2 Recognise the place value of each digit in numbers with up to 2 decimal places, and compose and decompose numbers with up to 2 decimal places using standard and non-standard partitioning.	5B Unit 11 Decimals and percentages	Lesson 1 Writing decimals (1) Lesson 2 Writing decimals (2)
	5NPV–3 Reason about the location of any number with up to 2 decimals places in the linear number system, including identifying the previous and next multiple of 1 and 0.1 and rounding to the nearest of each.	5B Unit 11 Decimals and percentages	Lesson 7 Ordering and comparing decimals (1) Lesson 8 Ordering and comparing decimals (2) Lesson 9 Rounding decimals

	5NPV–4 Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts.	3B Unit 9 Fractions (1)	Lesson 1 Unit and non-unit fractions Lesson 3 Tenths (1) Lesson 5 Fractions as numbers (1)
	5NPV–5 Convert between units of measure, including using common decimals and fractions.	5C Unit 16 Measure – converting units	Lesson 1 Metric units (1) Lesson 2 Metric units (2) Lesson 3 Metric units (3) Lesson 4 Metric units (4) Lesson 5 Imperial units of length Lesson 6 Imperial units of mass Lesson 7 Imperial units of capacity
Number facts (NF)			
	5NF–1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.	4A Unit 5 Multiplication and division (1)	Lesson 5 Multiplying and dividing by 6 Lesson 7 Multiplying and dividing by 9 Lesson 9 Multiplying and dividing by 7 Lesson 11 11 and 12 times-tables
	5NF–2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).	5A Unit 5 Multiplication and division (1)	Lesson 9 Dividing whole numbers by 10, 100 and 1,000
Multiplication and division (MD)			
	5MD–1 Multiply and divide numbers by 10 and 100; understand this as equivalent to making a number 10 or 100 times the size, or 1 tenth or 1 hundredth times the size.	5A Unit 5 Multiplication and division (1)	Lesson 8 Multiplying whole numbers by 10, 100 and 1,000 Lesson 9 Dividing whole numbers by 10, 100 and 1,000

	5MD–2 Find factors and multiples of positive whole numbers, including common factors and common multiples, and express a given number as a product of 2 or 3 factors.	5A Unit 5 Multiplication and division (1)	Lesson 1 Multiples Lesson 2 Factors
	5MD–3 Multiply any whole number with up to 4 digits by any one-digit number using a formal written method.	5A Unit 5 Multiplication and division (2)	Lesson 1 Multiplying numbers up to 4 digits by a 1-digit number
	5MD–4 Divide a number with up to 4 digits by a one-digit number using a formal written method, and interpret remainders appropriately for the context.	5A Unit 5 Multiplication and division (2)	Lesson 7 Dividing up to a 4-digit number by a 1-digit number (1) Lesson 8 Dividing up to a 4-digit number by a 1-digit number (2)
Fractions (F)			
	5F–1 Find non-unit fractions of quantities.	4B Unit 9 Fractions (2)	Lesson 6 Calculating fractions of a quantity Lesson 7 Problem solving - fraction of a quantity (1) Lesson 8 Problem solving - fraction of a quantity (2)
	5F–2 Find equivalent fractions and understand that they have the same value and the same position in the linear number system.	5B Unit 8 Fractions (1)	Lesson 1 Equivalent fractions
	5F–3 Recall decimal fraction equivalents for 1/2, 1/4, 1/5 and 1/10, and for multiples of these proper fractions.	5B Unit 11 Decimals and percentages	Lesson 3 Decimals as fractions (1)

Geometry (G)			
	5G–1 Compare angles, estimate and measure angles in degrees (°) and draw angles of a given size.	5C Unit 13 Geometry – properties of shapes (1)	Lesson 1 Measuring angles in degrees Lesson 2 Measuring with a protractor (1) Lesson 3 Measuring with a protractor (2) Lesson 4 Drawing lines and angles accurately
	5G–2 Compare areas and calculate the area of rectangles (including squares) using standard units.	5A Unit 5 Measure – area and perimeter	Lesson 4 Calculating area (1) Lesson 5 Calculating area (2) Lesson 6 Comparing area

Ready-to-progress criteria to *Power Maths* matching chart Year 6

Government guidance		Power Maths	
Strand	**Year 6 ready-to-progress criteria**	**Power Maths Unit**	**Key lessons**
Number and place value (NPV)			
	6NPV–1 Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000).	6A Unit 1 Place value within 10,000,000	Lesson 1 Numbers to 1,000,000 Lesson 2 Numbers to 10,000,000 (1)
		6B Unit 7 Decimals	Lesson 1 Multiplying by 10, 100 and 1,000 Lesson 2 Dividing by multiples of 10, 100 and 1,000
	6NPV–2 Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and non-standard partitioning.	6A Unit 1 Place value within 10,000,000	Lesson 3 Numbers to 10,000,000 (2)
	6NPV–3 Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in contexts.	6A Unit 1 Place value within 10,000,000	Lesson 4 Number line to 10,000,000 Lesson 5 Comparing and ordering numbers to 10,000,000 Lesson 6 Rounding numbers

	6NPV–4 Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts.	6A Unit 1 Place value within 10,000,000	Lesson 4 Number line to 10,000,000
		6A Unit 5 Fractions (2)	Lesson 8 Calculating fractions of amounts Lesson 9 Problem solving - fractions of amounts
		6B Unit 10 Measure - imperial and metric measures	Lesson 1 Metric measures
		6C Unit 15 Statistics	Lesson 9 Interpreting line graphs Lesson 10 Constructing line graphs
Addition and subtraction (AS)			
	6AS/MD–1 Understand that 2 numbers can be related additively or multiplicatively, and quantify additive and multiplicative relationships (multiplicative relationships restricted to multiplication by a whole number).	6A Unit 3 Four operations (2)	Lesson 1 Common factors Lesson 2 Common multiples Lesson 7 Mental calculations (1) Lesson 8 Mental calculations (2)
	6AS/MD–2 Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding.	6A Unit 3 Four operations (2)	Lesson 9 Reasoning from known facts

	6AS/MD–3 Solve problems involving ratio relationships.	6B Unit 12 Ratio and proportion	Lesson 1 Ratio (1) Lesson 2 Ratio (2) Lesson 3 Ratio (3) Lesson 4 Ratio (4) Lesson 8 Problem solving - ratio and proportion (1) Lesson 9 Problem solving - ratio and proportion (2)
	6AS/MD–4 Solve problems with 2 unknowns.	6B Unit 9 Algebra	Lesson 10 Solving equations (4) Lesson 11 Solving equations (5)
Multiplication and division (MD)			
	For year 6, MD ready-to-progress criteria are combined with AS ready-to-progress criteria (please see above).		
Fractions (F)			
	6F–1 Recognise when fractions can be simplified, and use common factors to simplify fractions.	6A Unit 4 Fractions (1)	Lesson 1 Simplifying fractions (1) Lesson 2 Simplifying fractions (2)
	6F–2 Express fractions in a common denomination and use this to compare fractions that are similar in value.	6A Unit 4 Fractions (1)	Lesson 4 Comparing and ordering fractions (1)
	6F–3 Compare fractions with different denominators, including fractions greater than 1, using reasoning, and choose between reasoning and common denomination as a comparison strategy.	6A Unit 4 Fractions (1)	Lesson 5 Comparing and ordering fractions (2)

Geometry (G)			
	6G–1 Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems.	6B Unit 11	Lesson 1 Shapes with the same area Lesson 2 Area and perimeter (1) Lesson 3 Area and perimeter (2) Lesson 4 Area of a parallelogram Lesson 5 Area of a triangle (1) Lesson 6 Area of a triangle (2) Lesson 7 Area of a triangle (3) Lesson 8 Problem solving - area
		6C Unit 13 Geometry - properties of shapes	Lesson 1 Measuring with a protractor Lesson 2 Drawing shapes accurately Lesson 3 Angles in triangles (1) Lesson 4 Angles in triangles (2) Lesson 5 Angles in triangles (3) Lesson 6 Angles in polygons (1) Lesson 7 Angles in polygons (2)