Ready-to-progress criteria to *Power Maths White Rose Maths Edition* matching chart

This chart shows which *Power Maths White Rose Maths Edition* units include lessons that teach the concepts 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 WRM Edition	
Strand	Year 1 Ready-to-progress criteria	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 2 Count numbers to 10 Lesson 6 One more Lesson 7 Count backward from 10 to 0 Lesson 8 One less
		1B Unit 6 Numbers to 20	Lesson 1 Count to 20 Lesson 7 One more and one less
		1B Unit 8 Numbers to 50	Lesson 1 Count to 50 Lesson 2 Numbers to 50
		1C Unit 14 Numbers to 100	Lesson 1 Count from 50 to 100

	INPV-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 11 <, > or = Lesson 12 Compare numbers Lesson 13 Order numbers and objects
		1B Unit 6 Numbers to 20	Lesson 9 Label number lines Lesson 11 Compare numbers to 20 Lesson 12 Order numbers to 20

Number facts (NF)			
	INF-1 Develop fluency in addition and subtraction facts within 10.	1A Unit 2 Part-whole within 10	Lesson 7 Number bonds to 10
		1A Unit 3 Addition within 10	Lesson 1 Add together Lesson 2 Add more Lesson 4 Find the missing number
		1A Unit 4 Subtraction within 10	Lesson 5 Fact families
	INF-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.	1C Unit 11 Multiplication and division	Lesson 1 Count in 2s Lesson 2 Count in 10s Lesson 3 Count in 5s
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 2 The part-whole model Lesson 3 Write number sentences Lesson 4 Fact families – addition facts
	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 6 Find number bonds
		1A Unit 3 Addition within 10	Lesson 3 Addition problems
		1A Unit 4 Subtraction within 10	Lesson 1 How many are left? (1) Lesson 2 How many are left? (2) Lesson 8 Solve word problems – addition and subtraction

		1B Unit 7 Addition and subtraction within 20	Lesson 1 Add by counting on within 20 Lesson 2 Add ones using number bonds Lesson 3 Find and make number bonds to 20 Lesson 6 Subtract ones using number bonds Lesson 8 Subtraction – find the difference Lesson 9 Related facts – fact families Lesson 11 Solve word and picture problems – addition and subtraction
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 Recognise and name 3D shapes Lesson 2 Sort 3D shapes Lesson 3 Recognise and name 2D shapes Lesson 4 Sort 2D shapes Lesson 5 Make 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 Recognise and name 3D shapes Lesson 2 Sort 3D shapes Lesson 3 Recognise and name 2D shapes Lesson 4 Sort 2D shapes Lesson 5 Make patterns with shapes

Year 2

Government guidance		Power Maths WRM Edition	
Strand	Year 2 Ready-to-progress criteria	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 Count in 10s and 1s Lesson 4 Recognise 10s and 1s Lesson 6 Use a place value grid Lesson 7 Partition numbers to 100 Lesson 8 Partition numbers flexibly within 100
	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 13 Compare numbers (1) Lesson 14 Compare numbers (2) Lesson 15 Order 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 Fact families Lesson 2 Learn number bonds
Addition and subtraction (AS)			

	2AS-1 Add and subtract across 10.	2A Unit 2 Addition and subtraction (1)	Lesson 6 Add by making 10 Lesson 7 Add using a number line Lesson 10 Add across a 10 Lesson 11 Subtract across a 10 Lesson 13 Subtract a 1-digit number from a 2-digit number – across 10
	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 7 How many more? How many fewer? Lesson 8 Subtraction – find the difference

	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 2 Addition and subtraction (1)	Lesson 3 Add and subtract two multiples of 10 Lesson 5 Add and subtract 1s
		2A Unit 3 Addition and subtraction (2)	Lesson 2 Add and subtract 10s
	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 3 Add two 2-digit numbers – add 10s and add 1s Lesson 4 Add two 2-digit numbers – add more 10s then more 1s Lesson 5 Subtract a 2-digit number from a 2-digit number – not across 10 Lesson 6 Subtract a 2-digit number from a 2-digit number – across 10
		2C Unit 12 Problem solving and efficient methods	Lesson 9 Solve 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.	2B Unit 6 Multiplication and division (1)	Lesson 4 The × sign
		2B Unit 7 Multiplication and division (2)	Lesson 1 2 times-table Lesson 5 10 times-table Lesson 7 5 times-table

	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 (1)	Lesson 7 Make equal groups – grouping Lesson 8 Make equal groups – sharing
		2C Unit 12 Problem solving and efficient methods	Lesson 10 Solve 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.	2A Unit 4 Properties of shapes	Lesson 1 Recognise 2D and 3D shapes Lesson 2 Count sides on 2D shapes Lesson 3 Count vertices on 2D shapes Lesson 5 Lines of symmetry on shapes Lesson 6 Sort 2D shapes Lesson 8 Count faces on 3D shapes Lesson 9 Count edges on 3D shapes Lesson 10 Count vertices on 3D shapes Lesson 11 Sort 3D shapes

Year 3

Government guidance		Power Maths WRM Edition	
Strand	Year 3 Ready-to-progress criteria	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 3 100s Lesson 4 Represent numbers to 1,000 Lesson 5 Partition numbers to 1,000
		3B Unit 6 Multiplication and division (3)	Lesson 1 Multiples of 10
	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 4 Represent numbers to 1,000 Lesson 5 Partition numbers to 1,000 Lesson 6 Partition numbers to 1,000 flexibly Lesson 7 100s, 10s and 1s
	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 8 Use a number line to 1,000 Lesson 9 Estimate on a number line to 1,000 Lesson 10 Find 1, 10 and 100 more or less Lesson 11 Compare numbers to 1,000 Lesson 12 Order 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 8 Use a number line to 1,000 Lesson 9 Estimate on a number line to 1,000

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 6 Add 1s across 10 Lesson 8 Subtract 1s across 10
		3A Unit 3 Addition and subtraction (2)	Lesson 3 Add two numbers (across 10) Lesson 5 Subtract two numbers (across 10)
	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 3 Multiples of 2 Lesson 4 Multiples of 5 and 10
		3A Unit 5 Multiplication and division (2)	Lesson 4 Multiply by 4 Lesson 5 Divide by 4 Lesson 6 4 times-table Lesson 7 Multiply by 8 Lesson 8 Divide by 8 Lesson 9 8 times-table
		3B Unit 6 Multiplication and division (3)	Lesson 7 Link 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 Use known number bonds Lesson 3 Add/subtract 10s Lesson 4 Add/subtract 100s Lesson 5 Spot the pattern Lesson 10 Make connections
		3B Unit 6 Multiplication and division (3)	Lesson 2 Related calculations

Addition and subtraction (AS)			
	3AS-1 Calculate complements to 100.	3A Unit 3 Addition and subtraction (2)	Lesson 9 Complements to 100
	3AS-2 Add and subtract up to three- digit numbers using columnar methods.	3A Unit 3 Addition and subtraction (2)	Lesson 1 Add two numbers Lesson 2 Subtract two numbers Lesson 4 Add two numbers (across 100) Lesson 6 Subtract two numbers (across 100) Lesson 7 Add a 3-digit number and a 2-digit number Lesson 8 Subtract a 2-digit number from a 3-digit number
	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 11 Inverse operations
Multiplication and division (MD)			

	3MD-1 Apply known multiplication and division facts to solve contextual problems with different structures, including quantitative and partitive division.	3A Unit 5 Multiplication and division (2)	Lesson 10 Problem solving – multiplication and division (1) Lesson 11 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 8 Fractions (1)	Lesson 1 Understand the denominator of unit fractions Lesson 3 Understand the numerator of non-unit fractions Lesson 4 Understand the whole
	3F-2 Find unit fractions of quantities using known division facts (multiplication tables fluency).	3C Unit 11 Fractions (2)	Lesson 5 Unit fractions of a set of objects Lesson 6 Non-unit fractions of a set of objects Lesson 8 Problem solving – fractions of measures
	3F-3 Reason about the location of any fraction within 1 in the linear number system.	3B Unit 8 Fractions (1)	Lesson 2 Compare and order unit fractions Lesson 5 Compare and order non-unit fractions Lesson 6 Divisions on a number line Lesson 7 Count in fractions on a number line Lesson 9 Equivalent fractions on a number line
	3F-4 Add and subtract fractions with the same denominator, within 1.	3C Unit 11 Fractions (2)	Lesson 1 Add fractions Lesson 2 Subtract fractions Lesson 3 Partition the whole Lesson 4 Problem solving – add and subtract 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 14 Angles and properties of shapes	Lesson 1 Turns and angles Lesson 2 Right angles in shapes Lesson 7 Recognise, draw and describe 2D shapes

	3G-2 Draw polygons by joining marked points, and identify parallel and perpendicular sides.	3C Unit 14 Angles and properties of shapes	Lesson 4 Measure and draw accurately Lesson 6 Parallel and perpendicular Lesson 7 Recognise, draw and describe 2D shapes

Year 4

Government guidance		Power Maths WRM Edition	
Strand	Year 4 Ready-to-progress criteria	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 2 Number line to 1,000 Lesson 3 Multiples of 1,000 Lesson 8 1,000s, 100s, 10s and 1s
	4NPV-2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four- digit numbers using standard and non-standard partitioning.	4A Unit 1 Place value – 4-digit numbers (1)	Lesson 5 Partition 4-digit numbers Lesson 6 Partition 4-digit numbers flexibly
	4NPV-3 Reason about the location of any four-digit number in the	4A Unit 1 Place value – 4-digit numbers (1)	Lesson 7 1, 10, 100, 1,000 more or less

	linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.	4A Unit 2 Place value – 4-digit numbers (2)	Lesson 1 Number line to 10,000 Lesson 2 Between two multiples Lesson 3 Estimate on a number line to 10,000 Lesson 4 Compare and order numbers to 10,000 Lesson 5 Round to the nearest 1,000 Lesson 6 Round to the nearest 100 Lesson 8 Round to the nearest 1,000, 100 or 10
	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 2 Number line to 1,000

Number facts (NF)			
	4NF–1 Recall multiplication and division facts up to 12 × 12, and recognise products in multiplication tables as multiples of the corresponding number.	4A Unit 5 Multiplication and division (1)	Lesson 1 Multiples of 3 Lesson 2 Multiply and divide by 6 Lesson 3 6 times-table and division facts Lesson 4 Multiply and divide by 9 Lesson 5 9 times-tables and division facts Lesson 6 The 3, 6 and 9 times-tables Lesson 7 Multiply and divide by 7 Lesson 8 7 times-tables and division facts Lesson 9 11 and 12 times-tables and division facts Lesson 10 Multiply by 1 and 0 Lesson 11 Divide by 1 and itself
	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 11 Basic division Lesson 12 Division and remainders Lesson 13 Divide 2-digit numbers
	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 Add and subtract 1s, 10s, 100s, 1,000s
		4B Unit 6 Multiplication and division (2)	Lesson 4 Related facts – multiplication Lesson 5 Related facts – division

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.	4B Unit 6 Multiplication and division (2)	Lesson 2 Multiply and divide by 10 Lesson 3 Multiply and divide by 100
	4MD-2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication.	4A Unit 5 Multiplication and division (1)	Lesson 12 Multiply three numbers
	4MD-3 Understand and apply the distributive property of multiplication.	4B Unit 6 Multiplication and division (2)	Lesson 6 Multiply and add Lesson 7 Informal written methods
Fractions (F)			
	4F-1 Reason about the location of mixed numbers in the linear number system.	4B Unit 8 Fractions (1)	Lesson 3 Number lines with mixed numbers Lesson 4 Compare and order mixed numbers
	4F-2 Convert mixed numbers to improper fractions and vice versa.	4B Unit 8 Fractions (1)	Lesson 5 Convert mixed numbers to improper fractions Lesson 6 Convert improper fractions to mixed numbers

	4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.	4B Unit 9 Fractions (2)	Lesson 1 Add and subtract two or more fractions Lesson 2 Add fractions and mixed numbers Lesson 3 Subtract from mixed numbers Lesson 4 Subtract from whole amounts Lesson 5 Problem solving – add and subtract fractions (1) Lesson 6 Problem solving – add and subtract 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 Plot coordinates Lesson 4 Draw 2D shapes on a grid Lesson 5 Translate on a grid Lesson 6 Describe translation 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 14 Geometry – angles and 2D shapes	Lesson 3 Triangles Lesson 4 Quadrilaterals Lesson 5 Polygons Lesson 6 Reason about polygons
		4B Unit 7 Length and perimeter	Lesson 2 Perimeter on a grid Lesson 3 Perimeter of a rectangle Lesson 4 Perimeter of rectilinear shapes Lesson 5 Find missing lengths in rectilinear shapes Lesson 6 Perimeter of polygons
	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 14 Geometry – angles and 2D shapes	Lesson 7 Lines of symmetry Lesson 8 Complete a symmetric figure

Year 5

Government guidance		Power Maths WRM Edition	
Strand	Year 5 Ready-to-progress criteria	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 9 Decimals and percentages	Lesson 4 Equivalent fractions and decimals – hundredths Lesson 6 Thousandths as fractions Lesson 7 Thousandths as decimals
		5C Unit 14 Decimals	Lesson 13 Multiply by 10, 100 and 1,000 Lesson 15 Divide by 10, 100 and 1,000
	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.	4C Unit 11 Decimals (2)	Lesson 2 Partition decimals Lesson 3 Flexibly partition decimals
		5B Unit 9 Decimals and percentages	Lesson 1 Write decimals up to 2 decimal places – less than 1 Lesson 2 Write decimals up to 2 decimal places – greater than 1

	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 9 Decimals and percentages	Lesson 9 Compare and order decimals – same number of decimal places Lesson 10 Compare and order any decimals with up to 3 decimal places Lesson 11 Round to the nearest whole number Lesson 12 Round to one decimal place
	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.	5A Unit 5 Fractions (1)	Lesson 6 Compare fractions less than 1 Lesson 7 Order fractions less than 1

	5NPV-5 Convert between units of measure, including using common decimals and fractions.	5C Unit 16 Measure – converting units	Lesson 1 Kilograms and kilometres Lesson 2 Millimetres and millilitres Lesson 3 Convert units of length Lesson 4 Imperial units of length Lesson 5 Imperial units of mass Lesson 6 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 3 6 times-table and division facts Lesson 5 9 times-table and division facts Lesson 8 7 times-table and division facts Lesson 9 11 and 12 times-tables and division facts
		5A Unit 4 Multiplication and division (1)	Lesson 3 Factors Lesson 4 Common factors
	5NF-2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).	5C Unit 14 Decimals	Lesson 1 Add and subtract decimals within 1 (1) Lesson 2 Add and subtract decimals within 1 (2) Lesson 3 Complements to 1 Lesson 4 Add and subtract decimals across 1
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	5A Unit 4 Multiplication and division (1)	Lesson 8 Multiply by 10, 100 and 1,000 Lesson 9 Divide by 10, 100 and 1,000

	times the size.		

	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 4 Multiplication and division (1)	Lesson 1 Multiples Lesson 2 Common multiples Lesson 3 Factors Lesson 4 Common factors
	5MD-3 Multiply any whole number with up to 4 digits by any one-digit number using a formal written method.	5B Unit 7 Multiplication and division (2)	Lesson 1 Multiply a number 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.	5B Unit 7 Multiplication and division (2)	Lesson 6 Divide a number up to 4 digits by a 1-digit number (1) Lesson 7 Divide a number up to 4 digits by a 1-digit number (2)
Fractions (F)			
	5F-1 Find non-unit fractions of quantities.	4B Unit 9 Fractions (2)	Lesson 7 Fraction of an amount Lesson 8 Problem solving – fraction of an amount
		5B Unit 8 Fractions (3)	Lesson 5 Fraction of an amount Lesson 6 Finding the whole
	5F-2 Find equivalent fractions and understand that they have the same value and the same position in the linear number system.	5A Unit 5 Fractions (1)	Lesson 1 Equivalent fractions Lesson 2 Equivalent fractions – unit and non-unit fractions Lesson 3 Equivalent fractions – families of equivalent fractions

	5F-3 Recall decimal fraction equivalents for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$, and for multiples of these proper fractions.	5B Unit 9 Decimals and percentages	Lesson 3 Equivalent fractions and decimals – tenths Lesson 5 Equivalent fractions and decimals
Geometry (G)			
	5G-1 Compare angles, estimate and measure angles in degrees (°) and draw angles of a given size.	5C Unit 12 Geometry – properties of shapes	Lesson 1 Understand and use degrees Lesson 2 Measure acute angles Lesson 3 Measure angles up to 180° Lesson 4 Draw lines and angles accurately
	5G-2 Compare areas and calculate the area of rectangles (including squares) using standard units.	5B Unit 10 Measure – perimeter and area	Lesson 5 Area of rectangles (1) Lesson 6 Area of rectangles (2) Lesson 7 Area of compound shapes

Year 6

Government guidance		Power Maths WRM Edition	
Strand	Year 6 Ready-to-progress criteria	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 Lesson 4 Powers of 10
		6B Unit 9 Decimals	Lesson 4 Multiply 10, 100 and 1,000 Lesson 5 Divide by 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 2 Numbers to 10,000,000 Lesson 3 Partition numbers to 10,000,000
	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	6A Unit 1 Place value within 10,000,000	Lesson 5 Number line to 10,000,000 Lesson 6 Compare and order any number Lesson 7 Round any number

	contexts.		
	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 5 Number line to 10,000,000 Lesson 8 Negative numbers
		6C Unit 12 Statistics	Lesson 1 Interpret line graphs Lesson 2 Draw line graphs

Addition, subtraction, multiplication and division (AS/MD)			
	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 2 Four operations (1)	Lesson 4 Common factors Lesson 5 Common factors
		6A Unit 3 Four operations (2)	Lesson 10 Mental calculations (1) Lesson 11 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 12 Reason from known facts
	6AS/MD-3 Solve problems involving ratio relationships.	6B Unit 7 Ratio and proportion	Lesson 1 Use ratio language Lesson 2 Introduce the ratio symbol Lesson 3 Use ratio Lesson 7 Ratio problems 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 8 Algebra	Lesson 7 Form and solve equations Lesson 10 Find pairs of values Lesson 11 Solve problems with two unknowns
Fractions (F)			
	6F-1 Recognise when fractions can be simplified, and use common factors to simplify fractions.	6A Unit 4 Fractions (1)	Lesson 1 Equivalent fractions and simplifying Lesson 2 Equivalent fractions on a number line

	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 3 Compare and order fractions
	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 3 Compare and order fractions
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 Measure - perimeter and area	Lesson 1 Shapes - same area Lesson 2 Area and perimeter Lesson 3 Area and perimeter - missing lengths Lesson 4 Area of a triangle - counting squares Lesson 5 Area of a right-angled triangle Lesson 6 Area of any triangle Lesson 7 Area of a parallelogram Lesson 8 Problem solving - area Lesson 9 Problem solving - perimeter

		6C Unit 13 Geometry – properties of shapes	Lesson 1 Measure and classify angles Lesson 2 Vertically opposite angles Lesson 3 Angles in a triangle Lesson 4 Angles in a triangle – missing angles Lesson 5 Angles in a triangle – special cases Lesson 6 Angles in quadrilaterals Lesson 7 Angles in polygons Lesson 10 Draw shapes accurately