Teacher assessment framework KS1 to *Power Maths White Rose Maths edition* matching chart

This chart shows which lessons in *Power Maths White Rose Maths edition* Practice books are relevant to the 'pupil can' statements in the Teacher assessment mathematics framework at the end of Key Stage 1. These lessons could be used to demonstrate that a pupil meets all the statements within the three standards.

Working towards the expected standard

Teacher assessment framework	Power Maths White Rose Maths edition	
The pupil can:	**Power Maths Unit**	**Suitable lessons**
• read and write numbers in numerals up to 100	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
	2A Unit 1 Numbers to 100	Lesson 9 Write numbers to 100 in expanded form
• partition a two-digit number into tens and ones to demonstrate an understanding of place value, though they may use structures and resources to support them	1B Unit 6 Numbers to 20	Lesson 1 Count to 20 Lesson 2 Understand 10 Lesson 3 11, 12 and 13 Lesson 4 14, 15 and 16 Lesson 5 17, 18 and 19
	1B Unit 8 Numbers to 50	Lesson 5 Groups of 10s and 1s Lesson 6 Partition into 10s and 1s
	2A Unit 1 Numbers to 100	Lesson 3 Count in 10s and 1s Lesson 4 Recognise 10s and 1s Lesson 5 Build a number from 10s and 1s Lesson 6 Use a place value grid Lesson 7 Partition numbers to 100
• add and subtract two-digit numbers and ones, and two-digit numbers and tens, where no regrouping is required, explaining their method verbally, in	1A Unit 4 Subtraction within 10	Lesson 7 Add or subtract 1 or 2
	1B Unit 7 Addition and subtraction within 20	Lesson 1 Add by counting on within 20 Lesson 2 Add ones using number bonds Lesson 6 Subtract ones using number bonds

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

Teacher assessment framework	Power Maths White Rose Maths edition	
The pupil can:	Power Maths Unit	Suitable lessons
pictures or using apparatus (e.g. 23 + 5; 46 + 20; 16 – 5; 88 – 30)		Lesson 7 Subtraction – count back
	2A Unit 2 Addition and subtraction (1)	Lesson 5 Add and subtract 1s Lesson 6 Add by making 10 Lesson 7 Add using a number line
	2A Unit 3 Addition and subtraction (2)	Lesson 2 Add and subtract 10s
• recall at least four of the six 2 number bonds for 10 and reason about associated facts (e.g. 6 + 4 = 10, therefore 4 + 6 = 10 and 10 – 6 = 4)	1A Unit 2 Part-whole within 10	Lesson 1 Parts and wholes Lesson 2 The part-whole model Lesson 3 Write number sentences Lesson 4 Fact families – addition facts Lesson 5 Number bonds Lesson 6 Find number bonds Lesson 7 Number bonds to 10
	1A Unit 4 Subtraction within 10	Lesson 1 How many are left? (1) Lesson 2 How many are left? (2) Lesson 3 Break apart (1) Lesson 4 Break apart (2) Lesson 5 Fact families
	1B Unit 7 Addition and subtraction within 20	Lesson 9 Related facts – fact families
	2A Unit 2 Addition and subtraction (1)	Lesson 1 Fact families Lesson 2 Learn number bonds
• count in twos, fives and tens from 0 and use this to solve problems	1C Unit 11 Multiplication and division	Lesson 1 Count in 2s Lesson 2 Count in 10s Lesson 3 Count in 5s
	1C Unit 14 Numbers to 100	Lesson 2 10s to 100
	2A Unit 1 Numbers to 100	Lesson 2 Count in 10s Lesson 16 Count in 2s, 5s and 10s
• know the value of different coins	1C Unit 15 Money	Lesson 1 Recognise coins
	2B Unit 5 Money	Lesson 1 Count money – pence

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

Teacher assessment framework	Power Maths White Rose Maths edition	
The pupil can:	**Power Maths Unit**	**Suitable lessons**
• name some common 2-D and 3-D shapes from a group of shapes or from pictures of the shapes and describe some of their properties (e.g triangles, rectangles, squares, circles, cuboids, cubes, pyramids and spheres).	1A Unit 5 2D and 3D shapes	Lesson 1 Recognise and name 3D shapes Lesson 3 Recognise and name 2D shapes
	2A Unit 4 Properties of shapes	Recognise 2D and 3D shapes

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

Working at the expected standard

Teacher assessment framework	Power Maths	
The pupil can:	Power Maths Unit	Suitable lessons
• read scales* in divisions of ones, twos, fives and tens	1A Unit 1 Numbers to 10	Lesson 14 The number line
	1B Unit 6 Numbers to 20	Lesson 8 The number line to 20 Lesson 9 Label number lines Lesson 10 Estimate on a number line
	1B Unit 8 Numbers to 50	Lesson 3 20, 30, 40 and 50 Lesson 4 Count by making groups of 10s
	1B Unit 9 Introducing length and height	Lesson 3 Measure length (using a ruler)
	1C Unit 11 Multiplication and division	Lesson 1 Count in 2s Lesson 2 Count in 10s Lesson 3 Count in 5s
	1C Unit 14 Numbers to 100	Lesson 1 Count from 50 to 100 Lesson 2 10s to 100 Lesson 4 Number line to 100
	2A Unit 1 Numbers to 100	Lesson 2 Count in 10s Lesson 3 Count in 10s and 1s Lesson 4 Recognise 10s and 1s Lesson 10 10s on a number line Lesson 11 10s and 1s on a number line to 100 Lesson 12 Estimate numbers on a number line Lesson 16 Count in 2s, 5s and 10s
	2B Unit 8 Length and height	Lesson 1 Measure in cm Lesson 2 Measure in m
	2B Unit 9 Mass, capacity and temperature	Lesson 2 Measure in grams Lesson 3 Measure in kilograms Lesson 5 Measure in millilitres Lesson 6 Measure in litres Lesson 7 Measure temperature using a thermometer Lesson 8 Read thermometers

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

Teacher assessment framework	Power Maths	
The pupil can:	Power Maths Unit	Suitable lessons
• partition any two-digit number into different combinations of tens and ones, explaining their thinking verbally, in pictures or using apparatus	1C Unit 14 Numbers to 100	Lesson 3 Partition into 10s and 1s
	2A Unit 1 Numbers to 100	Lesson 3 Count in 10s and 1s Lesson 4 Recognise 10s and 1s Lesson 5 Build a number from 10s and 1s Lesson 6 Use a place value grid Lesson 7 Partition numbers to 100 Lesson 8 Partition numbers flexibly within 100 Lesson 9 Write numbers to 100 in expanded form
• add and subtract any 2 two-digit numbers using an efficient strategy, explaining their method verbally, in pictures or using apparatus (e.g. 48 + 35; 72 – 17)	2A Unit 2 Addition and subtraction (1)	Lesson 3 Add and subtract two multiples of 10 Lesson 4 Complements to 100 (tens)
	2A Unit 3 Addition and subtraction (2)	Lesson 1 10 more, 10 less Lesson 2 Add and subtract 10s 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 Lesson 7 How many more? How many fewer? Lesson 8 Subtraction – find the difference
	2B Unit 8 Length and height	Lesson 5 Four operations with length and height
	2C Unit 12 Problem solving and efficient methods	Lesson 6 Mental addition and subtraction (1) Lesson 7 Mental addition and subtraction (2)

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

Teacher assessment framework	Power Maths	
The pupil can:	Power Maths Unit	Suitable lessons
• recall all number bonds to and within 10; use these to reason with and calculate bonds to and within 20, recognising other associated additive relationships (e.g. If 7 + 3 = 10, then 17 + 3 = 20; if 7 − 3 = 4, then 17 − 3 = 14; leading to if 14 + 3 = 17, then 3 + 14 = 17, 17 − 14 = 3 and 17 − 3 = 14)	1A Unit 2 Part-whole within 10	Lesson 1 Parts and wholes Lesson 2 The part-whole model Lesson 3 Write number sentences Lesson 4 Fact families – addition facts Lesson 5 Number bonds Lesson 6 Find number bonds 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 1 How many are left? (1) Lesson 2 How many are left? (2) Lesson 3 Break apart (1) Lesson 4 Break apart (2) Lesson 5 Fact families
	1B Unit 7 Addition and subtraction 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 9 Related facts – fact families
	2A Addition and subtraction (1)	Lesson 1 Fact families Lesson 2 Learn number bonds Lesson 4 Complements to 100 (tens)
• recall multiplication and division facts for 2, 5 and 10 and use them to solve simple problems, demonstrating an understanding of commutativity as necessary	1C Unit 11 Multiplication and division	Lesson 1 Count in 2s Lesson 2 Count in 10s Lesson 3 Count in 5s
	1C Unit 14 Numbers to 100	Lesson 2 10s to 100
	2A Unit 1 Numbers to 100	Lesson 2 Count in 10s Lesson 16 Count in 2s, 5s and 10s

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

Teacher assessment framework	Power Maths	
The pupil can:	Power Maths Unit	Suitable lessons
	2B Unit 7 Multiplication and division (2)	Lesson 1 2 times-table Lesson 2 Divide by 2 Lesson 5 10 times-table Lesson 6 Divide by 10 Lesson 7 5 times-table Lesson 8 Divide by 5
• identify 1/4, 1/3, 1/2, 2/4, 3/4, of a number or shape, and know that all parts must be equal parts of the whole	1C Unit 12 Halves and quarters	Lesson 1 Recognise and find a half of a shape Lesson 2 Recognise and find a half of a quantity Lesson 3 Recognise and find a quarter of a shape Lesson 4 Recognise and find a quarter of a quantity
	2C Unit 10 Fractions	Lesson 1 Introducing parts and wholes Lesson 2 Equal and unequal parts Lesson 3 Recognise a half Lesson 4 Find a half Lesson 5 Recognise a quarter Lesson 6 Find a quarter Lesson 7 Thirds Lesson 8 Find the whole Lesson 9 Unit and non-unit fractions Lesson 10 Recognise the equivalence of a half and two quarters Lesson 11 Recognise three quarters Lesson 12 Count in fractions up to a whole
• use different coins to make the same amount	1C Unit 15 Money	Lesson 3 Count in coins
	2B Unit 5 Money	Lesson 4 Choose notes and coins Lesson 5 Make the same amount Lesson 8 Make £1
• read the time on a clock to the nearest 15 minutes	1C Unit 16 Time	Lesson 4 Tell the time to the hour Lesson 5 Tell the time to the half hour

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

Teacher assessment framework	Power Maths	
The pupil can:	Power Maths Unit	Suitable lessons
	2C Unit 11 Time	Lesson 1 O'clock and half past Lesson 2 Quarter past and quarter to
• name and describe properties of 2-D and 3-D shapes, including number of sides, vertices, edges, faces and lines of symmetry	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
	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 4 Draw 2D shapes Lesson 5 Lines of symmetry on shapes Lesson 6 Sort 2D shapes Lesson 7 Make patterns with 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 Lesson 12 Make patterns with 3D shapes

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

Working at greater depth

Teacher assessment framework	Power Maths	
The pupil can:	**Power Maths Unit**	**Suitable lessons**
• read scales* where not all numbers on the scale are given and estimate points in between	1B Unit 6 Numbers to 20	Lesson 8 The number line to 20 Lesson 9 Label number lines Lesson 10 Estimate on a number line
	1B Unit 9 Introducing length and height	Lesson 3 Measure length (using a ruler)
	1C Unit 14 Numbers to 100	Lesson 4 Number line to 100
	2A Unit 1 Numbers to 100	Lesson 10 10s on a number line Lesson 11 10s and 1s on a number line to 100 Lesson 12 Estimate numbers on a number line
	2B Unit 8 Length and height	Lesson 2 Measure in m Lesson 4 Order lengths and heights
	2B Unit 9 Mass, capacity and temperature	Lesson 2 Measure in grams Lesson 3 Measure in kilograms Lesson 5 Measure in millilitres Lesson 7 Measure temperature using a thermometer Lesson 8 Read thermometers
• recall and use multiplication and division facts for 2, 5 and 10 and make deductions outside known multiplication facts	1C Unit 11 Multiplication and division	Lesson 1 Count in 2s Lesson 2 Count in 10s Lesson 3 Count in 5s Lesson 4 Equal groups Lesson 5 Add equal groups Lesson 6 Make arrays Lesson 7 Make doubles Lesson 8 Grouping Lesson 9 Sharing
	2A Unit 1 Numbers to 100	Lesson 2 Count in 10s Lesson 16 Count in 2s, 5s and 10s

Teacher assessment framework Key Stage 1 and *Power Maths White Rose Maths edition*

	2B Unit 6 Multiplication and division (1)	Lesson 1 Recognise equal groups Lesson 2 Make equal groups Lesson 3 Add equal groups Lesson 4 The × sign Lesson 5 Multiplication sentences Lesson 6 Use arrays Lesson 7 Make equal groups – grouping Lesson 8 Make equal groups – sharing
	2B Unit 7 Multiplication and division (2)	Lesson 1 2 times-table Lesson 2 Divide by 2 Lesson 3 Double and halve Lesson 4 Odd and even numbers Lesson 5 10 times-table Lesson 6 Divide by 10 Lesson 7 5 times-table Lesson 8 Divide by 5 Lesson 9 Bar modelling – sharing Lesson 10 Bar modelling – grouping
• use reasoning about numbers and relationships to solve more complex problems and explain their thinking (e.g. 29 + 17 = 15 + 4 + □; 'together Jack and Sam have £14. Jack has £2 more than Sam. How much money does Sam have?' etc.)	1A Unit 3 Addition within 10	Lesson 3 Addition problems
	1A Unit 4 Subtraction within 10	Lesson 6 Subtraction on a number line Lesson 8 Solve word problems – addition and subtraction
	1B Unit 7 Addition and subtraction within 20	Lesson 7 Subtraction – count back Lesson 8 Subtraction – find the difference Lesson 10 Missing number problems Lesson 11 Solve word and picture problems – addition and subtraction
	1B Unit 9 Introducing length and height	Lesson 4 Solve word problems – length
	1B Unit 10 Introducing mass and capacity	Lesson 7 Solve word problems – mass and capacity

	2A Unit 2 Addition and subtraction (1)	Lesson 5 Add and subtract 1s Lesson 6 Add by making 10 Lesson 7 Add using a number line Lesson 8 Add three 1-digit numbers Lesson 10 Add across a 10 Lesson 11 Subtract across a 10 Lesson 12 Subtract from a 10 Lesson 13 Subtract a 1-digit number from a 2-digit number – across 10
	2A Unit 3 Addition and subtraction (2)	Lesson 1 10 more, 10 less Lesson 2 Add and subtract 10s 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 Lesson 7 How many more? How many fewer? Lesson 8 Subtraction – find the difference Lesson 9 Compare number sentences Lesson 10 Missing number problems Lesson 11 Mixed addition and subtraction
	2B Unit 5 Money	Lesson 6 Compare amounts of money Lesson 7 Calculate with money Lesson 9 Find change
	2B Unit 6 Multiplication and division (1)	Lesson 1 Recognise equal groups Lesson 2 Make equal groups Lesson 3 Add equal groups Lesson 5 Multiplication sentences Lesson 6 Use arrays Lesson 7 Make equal groups – grouping Lesson 8 Make equal groups – sharing

	2B Unit 7 Multiplication and division (2)	Lesson 3 Double and halve Lesson 9 Bar modelling – grouping Lesson 10 Bar modelling – sharing
	2B Unit 8 Length and height	Lesson 5 Four operations with lengths and heights
	2C Unit 12 Problem solving and efficient methods	Lesson 1 My way, your way! Lesson 2 Use number facts Lesson 3 Use a 100 square Lesson 4 Getting started Lesson 5 Missing numbers Lesson 6 Mental addition and subtraction (1) Lesson 7 Mental addition and subtraction (2) Lesson 8 Efficient subtraction Lesson 9 Solve problems – addition and subtraction Lesson 10 Solve problems – multiplication and division Lesson 11 Solve problems – using the four operations
• solve unfamiliar word problems that involve more than one step (e.g. 'which has the most biscuits, 4 packets of biscuits with 5 in each packet or 3 packets of biscuits with 10 in each packet?')	2A Unit 3 Addition and subtraction (2)	Lesson 12 Two-step problems
	2B Unit 5 Money	Lesson 10 Two-step problems
	2C Unit 12 Problem solving and efficient methods	Lesson 9 Solve problems – addition and subtraction Lesson 10 Solve problems – multiplication and division Lesson 11 Solve problems – using the four operations
• read the time on a clock to the nearest 5 minutes	2C Unit 11 Time	Lesson 1 O'clock and half past Lesson 2 Quarter past and quarter to Lesson 3 Tell the time to 5 minutes
• describe similarities and differences of 2-D and 3-D shapes, using their properties (e.g. that two different 2-D shapes both have only one line of symmetry; that a cube and a cuboid	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

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| have the same number of edges, faces and vertices, but different dimensions) | 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 4 Draw 2D shapes
Lesson 5 Lines of symmetry on shapes
Lesson 6 Sort 2D shapes
Lesson 7 Make patterns with 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
Lesson 12 Make patterns with 3D shapes |