Mathseeds Lessons and The Cambridge Primary Mathematics Curriculum Framework

STAGE 1

				Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Strand	**Sub-strand**	**Learning objective**	**Code**	**Online Lesson, Printable Resources, & Problem Solving Tasks**	**End-of-lesson Quiz**	**Critical Thinking and Problem Solving Interactives**	**Driving Tests (DT) Mental Minute (MM)**	**Printable Achievement Standards Assessment**
Number	Counting and sequences & Integers and powers	Count objects from 0 to 20; Recognise the number of objects; Estimate the number of objects; Recite, read and write number names and whole numbers.	1Nc.01 1Nc.02 1Nc.03 1Ni.01	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 25, 28, 31, 33, 41, 43, 45, 46, 48, 50		12	**DT** Kindergarten Number 1-25	**Kindergarten Number** Tests 1-6
		Count on in ones, twos, or tens, and count in ones and tens.	1Nc.04	10, 12, 14, 16, 19, 20, 21, 25, 28, 31, 41, 43, 45, 46, 50			**DT** Kindergarten Number 3, 5, 9, 16, 23	**Kindergarten Number** Test 1
		Understand addition as: counting on, combining two sets; Estimate and add whole numbers.	1Ni.02 1Ni.05	21, 24, 25, 30, 31, 32, 34, 36, 40, 50		30, 31, 40, 41, 46	**DT** Kindergarten Operations 1-7, 9-12, 15, 20	**Kindergarten Operations** Tests 1, 3, 4
		Understand subtraction as: counting back, take away; difference. Estimate and subtract whole numbers.	1Ni.03 1Ni.05	47		47	**DT** Kindergarten Operations 13, 14, 16-19, 22-25	**Kindergarten Operations** Tests 2, 4
		Recognise complements of 10.	1Ni.04	21, 31, 34, 36, 40		19, 31, 34, 36, 43	**DT** Kindergarten Operations 9, 10	**Kindergarten Operations** Test 3
		Know doubles up to 10.	1Ni.06	49, 50			**DT** Kindergarten Operations 20	
	Money	Recognise money used in local currency.	1Nm.01					**Kindergarten Number** Test 5
	Place value, ordering and rounding	Understand that zero represents none of something.	1Np.01	18			**DT** Kindergarten Number 2	
		Compose, decompose and regroup numbers from 10 to 20.	1Np.02	41, 43, 45, 46, 48, 50			**DT** Kindergarten Number 11, 12	**Kindergarten Number** Test 4
		Understand the relative size of quantities to compare and order numbers.	1Np.03	16, 18, 22, 31, 45			**DT** Kindergarten Number 8, 20	**Kindergarten Number** Tests 1, 3
		Recognise and use ordinal numbers from 1st to 10th.	1Np.04				**DT** Kindergarten Number 24, 25	**Kindergarten Number** Test 6
	Fractions, decimals, percentages, ratio and proportion	Understand that an object or shape can be split into two equal parts or two unequal parts; Understand that a half can describe one of two equal parts of a quantity or set of objects; Understand and visualise that halves can be combined to make wholes.	1Nf.01 1Nf.02 1Nf.04	61				
Geometry and Measure	Time	Use familiar language to describe units of time; Recognise time to the hour and half hour.	1Gt.01 1Gt.03	39, 54, 70, 87		87	**DT** Kindergarten Measurement 1, 17 **DT** Year 1 Measurement 1, 8-10, 15, 16	**Kindergarten Measurement** Test 6 **Year 1 Measurement: Time** Tests 1-5
		Know the days of the week and the months of the year.	1Gt.02	42, 54		37	**DT** Kindergarten Measurement 1, 4, 13, 14, 18, 19	**Kindergarten Measurement** Test 7
	Geometrical reasoning, shapes and measurements	Identify, describe and sort 2D shapes by their properties.	1Gg.01	4, 6, 8, 9, 15, 23, 27, 37, 69		6, 8, 15, 23, 27	**DT** Kindergarten Geometry 1-8, 12 **DT** Kindergarten Patterns 1-9	**Kindergarten Geometry** Tests 1, 3, 4
		Use familiar language to describe length.	1Gg.02	13, 26, 55			**DT** Kindergarten Measurement 2, 3, 5, 6, 9, 10	**Kindergarten Measurement** Tests 1-3
		Identify, describe and sort 3D shapes by their properties.	1Gg.03	35, 44, 62, 69			**DT** Kindergarten Geometry 15-18, 21-23	**Kindergarten Geometry** Tests 2, 3
		Use familiar language to describe mass.	1Gg.04	29			**DT** Kindergarten Measurement 7, 8, 11, 12	**Kindergarten Measurement** Test 4
		Use familiar language to describe capacity.	1Gg.05	38		38	**DT** Kindergarten Measurement 15, 16, 20	**Kindergarten Measurement** Test 5
		Differentiate between 2D and 3D shapes.	1Gg.06				**DT** Kindergarten Geometry 19, 20	**Kindergarten Geometry** Test 3
	Position and transformation.	Use familiar language to describe position and direction.	1Gp.01				**DT** Kindergarten Geometry 9-11, 13, 14	**Kindergarten Geometry** Tests 5, 6
Statistics and Probability	Statistics	Answer non-statistical questions; Record, organise and represent categorical data; Describe data to answer non-statistical questions and discuss conclusions.	1Ss.01 1Ss.02 1Ss.03				**DT** Kindergarten Data 1-10	**Kindergarten Data** Tests 1, 2

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STAGE 2

				Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Strand	**Sub-strand**	**Learning objective**	**Code**	**Online Lesson, Printable Resources, & Problem Solving Tasks**	**End-of-lesson Quiz**	**Critical Thinking and Problem Solving Interactives**	**Driving Tests (DT) Mental Minute (MM)**	**Printable Achievement Standards Assessment**
Number	Counting and sequences	Count objects from 0 to 100; Count on and count back in ones, twos, fives or tens.	2Nc.01 2Nc.04	56, 60, 67, 75, 77, 79, 81, 86, 90		56, 67, 79	**DT** Year 1 Number 1-24 **DT** Year 1 Patterns and Fractions 7-10	**Year 1 Number and Algebra: Whole Numbers** Tests 1-9 **Year 1 Number and Algebra: Patterns** Tests 1-7
		Recognise the number of objects; Estimate the number of objects.	2Nc.02 2Nc.03	51, 53, 58, 65, 68, 71, 72, 79, 85, 88, 91, 93		67, 85	**DT** Year 1 Operations 4, 5	
		Recognise the characteristics of even and odd numbers.	2Nc.05	108				
		Recognise, describe and extend numerical sequences.	2Nc.06	77, 79, 90			**DT** Year 1 Number 1, 3, 6, 11, 13-16, 20, 21, 23 **DT** Year 1 Patterns and Fractions 1, 2, 4, 7-10, 12	**Year 1 Number and Algebra: Patterns** Tests 1-7
	Integers and powers	Recite, read and write number names and whole numbers.	2Ni.01	60, 67				
		Understand and explain the relationship between addition and subtraction.	2Ni.02	93		93	**DT** Year 1 Operations 16	
		Recognise complements of 20 and complements of multiples of 10.	2Ni.03	96, 98		76, 96, 98, 142	**DT** Year 1 Operations 6, 18	
		Estimate, add and subtract whole numbers with up to two digits.	2Ni.04	51, 53, 58, 65, 68, 72, 76, 85, 88, 91, 93, 95, 100		51, 53, 65, 68, 76, 95, 100	**DT** Year 1 Operations 1-20	**Year 1 Number and Algebra: Operations** Tests 1-6
		Understand multiplication as: repeated addition, an array.	2Ni.05	72, 77, 91, 113		72, 75, 77, 79, 91, 113	**DT** Year 2 Operations 8-10, 19	**Year 2 Number and Algebra: Equal Groups** Tests 3-5
		Understand division as: sharing, grouping.	2Ni.06	71, 74, 111, 113, 136		71, 74, 136	**DT** Year 2 Operations 6, 9, 11, 12	**Year 2 Number and Algebra: Equal Groups** Tests 1, 2, 5
	Money	Recognise value and money notation used in local currency; Compare values of different combinations of coins or notes.	2Nm.01 2Nm.02	64, 83, 92		83	**DT** Year 1 Measurement 3-7, 23	**Year 1 Number and Algebra: Fractions and Money** Tests 4-8
	Place value, ordering and rounding	Understand and explain that the value of each digit in a 2-digit number is determined by its position in that number, recognising zero as a place holder; Compose, decompose and regroup 2-digit numbers, using tens and ones.	2Np.01 2Np.02	60, 67, 75, 86, 88, 95		60, 81, 88	**DT** Year 1 Number 5, 9, 10, 17, 19, 24	**Year 1 Number and Algebra: Place Value** Tests 1-6
		Understand the relative size of quantities to compare and order 2-digit numbers.	2Np.03	56, 60, 67, 75, 81, 86, 90		81	**DT** Year 1 Number 7, 18, 20	**Year 1 Number and Algebra: Whole Numbers** Tests 3, 7
		Recognise and use ordinal numbers.	2Np.04	63		53		
		Round 2-digit numbers to the nearest 10.	2Np.05	129				
	Fractions, decimals, percentages, ratio and proportions	Understand that an object or shape can be split into four equal parts or four unequal parts; Understand that a quarter can be describe one of four equal parts of a quantity or set of objects.	2Nf.01 2Nf.02	66			**DT** Year 1 Patterns and Fractions 3, 5, 11, 13	**Year 1 Number and Algebra: Fractions and Money** Tests 1-3, 7
		Understand that one half and one quarter can be interpreted as division; Understand that fractions can act as operators.	2Nf.03 2Nf.04				**DT** Year 1 Patterns and Fractions 6, 14	
		Recognise the relative size of $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1, and the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$, and $\frac{2}{2}$, $\frac{4}{4}$ and 1.	2Nf.05	132				
Geometry and Measure	Time	Order and compare units of time.	2Gt.01					**Year 1 Measurement: Time** Test 6
		Read and record time to five minutes in digital notation (12-hour) and on analogue clocks.	2Gt.02	114			**DT** Year 2 Measurement 7, 10	
		Interpret and use the information in calendars.	2Gt.03	109		109	**DT** Year 2 Measurement 1-5, 14, 16	**Year 2 Measurement: Time** Tests 4, 5
	Geometrical reasoning, shapes and measurements	Identify, describe, sort, name and sketch 2D shapes by their properties. Recognise these shapes in different positions and orientations.	2Gg.01	52, 69		52, 69	**DT** Year 1 Geometry 1-3, 6, 9, 10, 13	**Year 1 Geometry: Shape** Tests 1, 2, 5, 6
		Understand that length is a fixed distance between two points; Estimate draw, and measure lengths and lines.	2Gg.03 2Gg.04	84			**DT** Year 1 Measurement 2, 4, 13, 14	**Year 1 Measurement: Length and Capacity** Tests 1-5
		Identify, describe, sort and name 3D shapes by their properties.	2Gg.05	62, 69, 99		62	**DT** Year 1 Geometry 7, 8, 17-19	**Year 1 Geometry: Shape** Tests 3, 4
		Understand that mass is the quantity of matter in an object. Estimate and measure familiar objects.	2Gg.06	73, 135		135	**DT** Year 2 Measurement 17, 18	**Year 2 Measurement: Informal Units** Tests 6-8
		Understand that capacity is the maximum amount that an object can contain. Estimate and measure the capacity of familiar objects.	2Gg.07	89, 116			**DT** Year 1 Measurement 11, 17-19 **DT** Year 2 Measurement 8	**Year 1 Measurement: Length and Capacity** Tests 6, 7 **Year 2 Measurement: Informal Units** Tests 4, 5, 8
		Identify 2D and 3D shapes in familiar objects.	2Gg.08	52, 62, 69, 99				**Year 1 Geometry: Shape** Tests 3, 4
	Position and transformation	Use knowledge of position and direction to describe movement.	2Gg.13	57, 78, 94		57, 78, 94	**DT** Year 1 Geometry 4, 5, 11, 12, 14-16	**Year 1 Geometry: Shape** Tests 7, 8
Statistics and Probability	Statistics	Conduct an investigation to answer non-statistical and statistical questions (categorical data).	2Ss.01	80, 97		80	**DT** Year 1 Data 4, 16	**Year 1 Statistics: Data** Test 1
		Record, organise and represent categorical data. Choose and explain which representation to use in a given situation.	2Ss.02				**DT** Year 1 Data 1-3, 6, 9, 10, 12-15	**Year 1 Statistics: Data** Tests 2-5
		Describe data, identifying similarities and variations to answer non-statistical and statistical questions and discuss conclusions.	2Ss.03					

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STAGE 3

Strand	Sub-strand	Learning objective	Code	Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
				Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Number	Counting and sequences & Integers and powers	Estimate the number of object; Count on and count back in steps of constant size: 1-digit numbers, tens or hundreds; Recite, read and write number names and whole numbers.	3Nc.01 3Nc.02 3Ni.01	101, 105, 106		105, 106	**DT** Year 2 Number 1-24 **DT** Year 2 Operations 1, 4	**Year 2 Number and Algebra: Numbers to 1000** Tests 3, 4, 7
		Use knowledge of even and odd numbers up to 10 to recognise and sort numbers.	3Nc.03	108		108	**DT** Year 2 Operations 3	**Year 2 Number and Algebra: Numbers to 1000** Test 7
		Recognise and extend linear sequences, and describe the term-to-term rule; Extend spatial patterns formed from adding and subtracting a constant.	3Nc.05 3Nc.06	117, 133, 137, 140		101, 117, 133, 137	**DT** Year 2 Number 2, 3, 6, 10, 13 **DT** Year 2 Patterns and Fraction 1-4, 6-10, 13	**Year 2 Number and Algebra: Number Patterns** Tests 1-8
		Recognise the use of an object to represent an unknown quantity in addition and subtraction calculations; Understand the commutative and associative properties of addition; Estimate, add and subtract whole numbers with up to three-digits.	3Nc.04 3Ni.02 3Ni.04	103, 110, 118, 120, 124, 128, 131, 134, 137, 139, 140, 141, 142, 144, 146, 148, 150, 163		110, 118, 120, 124, 128, 134, 129, 144, 146, 148, 150, 163	**DT** Year 2 Operations 2, 5, 7, 13-18, 20-28	**Year 2 Number and Algebra: Addition and Subtraction** Tests 1-8
		Recognise complements of 100 and complements of multiples of 10 or 100.	3Ni.03	142		142	**DT** Year 2 Operations 20, 21, 24, 26	
		Understand and explain the relationship between multiplication and division.	3Ni.05	181, 190, 199		181		
		Understand and explain the commutative and distributive properties of multiplication; Estimate and multiply whole numbers up to 100 by 2, 3, 4 and 5.	3Ni.06 3Ni.08	115, 130, 158, 171		115, 130		
		Know 1, 2, 3, 4, 5, 6, 8, 9 and 10 times tables.	3Ni.07	158, 171, 176				
		Estimate and divide whole numbers up to 100 by 2, 3, 4 and 5.	3Ni.09	136				
	Money	Interpret money notation for currencies that use a decimal point; Add and subtract amounts of money to give change.	3Nm.01 3Nm.02	64, 125, 147, 159		125, 131, 147, 159	**DT** Year 2 Measurement 12	**Year 2 Number and Algebra: Fractions and Money** Tests 5-8
	Place value, ordering and rounding	Understand and explain that the value of each digit is determined by its position in that number; Compose, decompose and regroup 3-digit numbers, using hundreds, tens and ones.	3Np.01 3Np.03	101, 105, 106		105, 106, 108	**DT** Year 2 Number 4, 8, 16, 18-22	**Year 2 Number and Algebra: Numbers to 1000** Tests 1, 2, 5, 7
		Understand the relative size of quantities to compare and order 3-digit positive numbers, using the symbols =, > and <.	3Np.04	101, 106, 120		120	**DT** Year 2 Number 14, 15	**Year 2 Number and Algebra: Numbers to 1000** Tests 1, 5-7
		Round 3-digit numbers to the nearest 10 or 100.	3Np.05	129, 194		194		
	Fractions, decimals, percentages, ratio and proportion	Understand and explain that fractions are several equal parts of an object or shape and all the parts, taken together, equal one whole; Understand that the relationship between the whole and the parts depends on the relative size of each; Understand and explain that fractions can describe equal parts of a quantity or set of objects.	3Nf.01 3Nf.02 3Nf.03	132		132	**DT** Year 2 Patterns and Fractions 5, 11, 12, 14-17	**Year 2 Number and Algebra: Fractions and Money** Tests 1-4
		Understand that a fraction can be represented as a division of the numerator by the denominator.	3Nf.04	138				
		Understand that fractions can act as operators.	3Nf.05					
		Recognise that two fractions can have an equivalent value.	3Nf.06	132				
		Use knowledge of equivalence to compare and order unit fractions and fractions with the same denominator, using the symbols =, > and <.	3Nf.08					**Year 2 Number and Algebra: Fractions and Money** Test 1
Geometry and Measure	Time	Read and record time accurately in digital notation (12-hour) and on analogue clocks.	3Gt.02	114, 123, 127, 162			**DT** Year 2 Measurement 7, 10, 20	**Year 2 Measurement: Time** Tests 1, 2
		Understand the difference between a time and a time interval. Find time intervals between the same units in days, weeks, months and years.	3Gt.04	109, 127				**Year 2 Measurement: Time** Test 3
	Geometrical reasoning, shapes and measurements	Identify, describe, classify, name and sketch 2D shapes by their properties. Differentiate between regular and irregular polygons.	3Gg.01	119, 140, 145, 184		119, 145	**DT** Year 2 Geometry 4-6, 10	
		Estimate and measure lengths in centimetres (cm), metres (m) and kilometres (km). Understand the relationship between units; Use instruments that measure length.	3Gg.02 3Gg.11	104, 126, 140, 141, 143, 182, 198		104, 141, 182	**DT** Year 2 Measurement 9, 11, 13, 15, 19, 21-24	**Year 2 Measurement: Informal Units** Tests 1, 2
		Understand that perimeter is the total distance around a 2D shape and can be calculated by adding lengths; Draw lines, rectangles and squares; Estimate, measure and calculate the perimeter of a shape.	3Gg.03 3Gg.04	192				
		Understand that area is how much space a 2D shape occupies within its boundary; Draw lines, rectangles and squares; Estimate, measure and calculate the area on a square grid.		59, 112, 140, 149, 157		149	**DT** Year 2 Measurement 6	**Year 2 Measurement: Informal Units** Tests 3
		Identify, describe, sort, name and sketch 3D shapes by their properties; Recognise pictures, drawings and diagrams of 3D shapes.	3Gg.05 3Gg.08	121		121, 140	**DT** Year 2 Geometry 3-7	
		Estimate and measure the mass of objects in grams (g) and kilograms (kg). Understand the relationship between units; Use instruments that measure mass.	3Gg.06 3Gg.11	172		135, 172		
		Estimate and measure capacity in millilitres (ml) and litres (l), and understand their relationships; Use instruments that measure capacity.	3Gg.07 3Gg.11	154		154		
		Identify both horizontal and vertical lines of symmetry on 2D shapes and patterns.	3Gg.09	152				
		Compare angles with a right angle. Recognise that a straight line is equivalent to two right angles or a half turn.	3Gg.10	177				
	Position and transformation	Interpret and create descriptions of position, direction and movement.	3Gp.01	102		102	**DT** Year 2 Geometry 1, 2, 8, 9, 11-13	
Statistics and Probability	Statistics	Conduct an investigation to answer non-statistical and statistical questions.	3Ss.01	143			**DT** Year 2 Data and Chance 1, 4, 5, 7-14	**Year 2 Statistics: Data** Test 1
		Record, organise and represent categorical and discrete data. Choose and explain which representation to use in a given situation.	3Ss.02	135, 140, 143		135, 143		**Year 2 Statistics: Data** Tests 2-6
		Interpret data, identify similarities and variations, within data sets, to answer non-statistical and statistical questions and discuss conclusions.	3Ss.03					
	Probability	Use familiar language associated with chance to describe events, including 'it will happen', 'it will not happen', 'it might happen'.	3Sp.01	82, 107			**DT** Year 1 Data 5, 7, 8, 11 **DT** Year 2 Data and Chance 2, 3, 6	**Year 1 Statistics: Data** Test 6 **Year 2 Statistics: Data** Test 7
		Conduct chance experiments, and present and describe the results.	3Sp.02	107				

Mathseeds Lessons and The Cambridge Primary Mathematics Curriculum Framework

STAGE 4

				Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Strand	**Sub-strand**	**Learning objective**	**Code**	**Online Lesson, Printable Resources, & Problem Solving Tasks**	**End-of-lesson Quiz**	**Critical Thinking and Problem Solving Interactives**	**Driving Tests (DT) Mental Minute (MM)**	**Printable Achievement Standards Assessment**
Number	Counting and sequences	Count on and count back in steps of constant size: 1-digit numbers, tens, hundreds or thousands, and extending beyond zero to include negative numbers.	4Nc.01	151, 156		151, 156		
		Recognise and explain generalisations when adding and subtracting combinations of even and odd numbers.	4Nc.02	166				
		Recognise the use of objects, shapes or symbols to represent unknown quantities in addition and subtraction calculations.	4Nc.03	163				
		Recognise and extend linear and non-linear sequences, and describe the term-to-term rule.	4Nc.04	153		153, 195		
	Integers and powers	Read and write number names and whole numbers greater than 1000.	4Ni.01	151, 156				
		Estimate, add and subtract whole numbers with up to three digits.	4Ni.02	163, 170, 173, 178, 183, 188, 195		163, 170, 173, 178, 183, 188, 195		
		Understand the associative property of multiplication, and use this to simplify calculations.	4Ni.03	158, 168, 171, 176, 181, 190		181		
		Know all times tables from 1 to 10.	4Ni.04	158, 171, 176, 199				
		Estimate and multiply whole numbers up to 1000 by 1-digit whole numbers.	4Ni.05	155, 168, 171, 176, 186, 188, 190, 193, 199		168, 176, 186, 188		
		Estimate and divide whole numbers up to 100 by 1-digit whole numbers.	4Ni.06	165, 188, 190, 196, 199		188, 196		
	Place value, ordering and rounding	Understand and explain that the value of each digit in numbers is determined by its position in that number.	4Np.01	156, 161		151		
		Use knowledge of place value to multiply and divide whole numbers by 10 and 100.	4Np.02	193		193		
		Compose, decompose and regroup whole numbers.	4Np.03	161, 173				
		Understand the relative size of quantities to compare and order positive and negative numbers, using the symbols =, > and <.	4Np.04	151, 156, 161		151, 156		
		Round numbers to the nearest 10, 100, 1000, 10 000 or 100 000.	4Np.05	194		194		
	Fractions, decimals, percentages, ratio and proportion	Understand that the more parts a whole is divided into, the smaller the parts become.	4Nf.01	160, 197		197		
		Understand that a fraction can be represented as a division of the numerator by the denominator.	4Nf.02	175, 197		175, 197		
		Recognise that two proper fractions can have an equivalent value.	4Nf.04	160, 175, 180, 191		180		
		Estimate, add and subtract fractions with the same denominator.	4Nf.05	191		191		
		Use knowledge of equivalence to compare and order proper fractions, using the symbols =, > and <.	4Nf.07	160, 175, 191		175		
Geometry and Measure	Time	Read and record time accurately in digital notation (12- and 24-hour) and on analogue clocks.	4Gt.02	162, 185		185		
		Interpret and use the information in timetables (12- and 24-hours clock).	4Gt.03	179, 189		179, 189		
		Find time intervals between different units: days, weeks, months and years; seconds, minutes and hours that do not bridge through 60.	4Gt.04	162, 179, 185, 189		179, 185, 189		
	Geometrical reasoning, shapes and measurements.	Investigate what shapes can be made if two or more shapes are combined, and analyse their properties, including reference to tessellation.	4Gg.01	69		69		
		Estimate and measure perimeter of 2D shapes; Draw rectangles and squares on square grids, and measure their perimeter. Derive and use formulae to calculate perimeters of rectangles and squares.	4Gg.02 4Gg.03	192				
		Estimate and measure area of 2D shapes, understanding that two areas can be added together to calculate the area of a compound shape; Draw rectangles and squares on square grids, and measure their area. Derive and use formulae to calculate areas of rectangles and squares.	4Gg.02 4Gg.03	157, 200		200		
		Estimate the area of irregular shapes on a square grid.	4Gg.04	200				
		Identify 2D faces of 3D shapes, and describe their properties; Match nets to their corresponding 3D shapes.	4Gg.05 4Gg.06	169				
		Identify all horizontal, vertical and diagonal lines of symmetry on 2D shapes and patterns.	4Gg.07	152				
		Estimate, compare and classify angles, using geometric vocabulary including acute, right and obtuse.	4Gg.08	177				
	Position and transformation	Interpret and create descriptions of position, direction and movement; Understand that position can be describe using coordinate notation. Read and plot coordinates in the first quadrant.	4Gp.01 4Gp.02	164				
		Reflect 2D shapes in a horizontal or vertical mirror line, including where the mirror line is the edge of the shape, on square grids.	4Gp.03	152				
Statistics and Probability	Statistics	Plan and conduct an investigation to answer statistical questions, considering what data to collect.	4Ss.01					
		Record, organise and represent categorical and discrete data. Choose and explain which representation to use in a given situation.	4Ss.02	174, 187, 198		187		
		Interpret data, identifying similarities and variations, within and between data sets, to answer statistical questions. Discuss conclusions, considering the sources of variation.	4Ss.03					
	Probability	Use language associated with chance to describe familiar events, including reference to maybe, likely, certain, impossible; Conduct chance experiments, using small and large numbers of trials, and present and describe the results using the language of probability.	4Sp.01 4Sp.02	167				