



OLD BUCKENHAM
PRIMARY SCHOOL

Progression of Skills in Mathematics Years 1-6

Year 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place Value (within 10) <ul style="list-style-type: none"> Sort objects Count objects Count objects from a larger group Represent objects Recognise numbers as words Count on from any number 1 more, 1 less Count backwards within 10 Compare groups by matching Fewer, more, same Less than, greater than, equal to Compare numbers Order objects and numbers The number line 					Number Addition and subtraction (within 10) <ul style="list-style-type: none"> Introduce parts and wholes Part whole model Write number sentences Fact families- addition facts Number bonds within 10 Systematic number bonds within 10 Number bonds to 10 Addition-add together Addition- add more Addition problems Find a part Subtraction-find a part Fact families- the eight facts Subtraction- take away/ crossing out. How many left? Subtraction-take away. How many left? Subtraction on a number line Add or subtract 1 or 2. 					Geometry Shape <ul style="list-style-type: none"> Recognise and name 3D shapes Sort 3D shapes Recognise and name 2D shapes Sort 2D shapes Patterns with 2D and 3 D shapes 	
	Key Vocabulary	Sort Represent Ones Tens					Addition/add Subtraction Difference Equals Facts					Sides Corners Properties Pyramids Faces

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Spring	<p>Number Place Value (within 20)</p> <ul style="list-style-type: none"> Count within 20 Understand 10 Understand 11, 12 and 13 Understand 14, 15, 16 Understand 17, 18, 19 Understand 20 1 more and 1 less The number line to 20 Use a number line to 20 Estimate on a number line to 20 Compare numbers to 20 Order numbers to 20 	<p>Number Addition and subtraction (within 20)</p> <ul style="list-style-type: none"> Add by counting on within 20 Add ones using number bonds Find and make number bonds to 20 Doubles Near doubles Subtract ones using number bonds Subtraction – counting back Subtraction – finding the difference Related facts Missing number problems 	<p>Number Place Value (within 50)</p> <ul style="list-style-type: none"> Count from 20 to 50 20, 30, 40 and 50 Count by making groups of tens Groups of tens and ones Partition into tens and ones The number line to 50 Estimate on a number line to 50 1 more, 1 less 	<p>Measurement Length and Height</p> <ul style="list-style-type: none"> Compare lengths and heights Measure length using objects Measure length in centimetres 	<p>Measurement Weight and volume</p> <ul style="list-style-type: none"> Heavier and lighter Measure mass Compare mass Full and empty Compare volume Measure capacity Compare capacity
Key Vocabulary	<p>Sort Represent Multiples Partitioning Ones Tens</p>	<p>Addition/add Subtraction Difference Equals Facts Missing number problems 2 digit number Inverse</p>	<p>Sort Represent Multiples Partitioning Ones Tens</p>	<p>Length</p>	<p>Mass volume</p>



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Summer	Number Multiplication and Division <ul style="list-style-type: none"> Count in 2s Count in 10s Count in 5s Recognise equal groups Add equal groups Make arrays Make doubles Make equal groups - grouping Make equal groups - sharing 	Number Fractions <ul style="list-style-type: none"> Recognise a half of an object or a shape Find a half of an object or a shape Recognise a half of a quantity Find a half of a quantity Recognise a quarter of an object or a shape Find a quarter of an object or a shape Recognise a quarter of a quantity Find a quarter of a quantity 	Geometry Position and direction <ul style="list-style-type: none"> Describe turns Describe position – left and right Describe position – forwards and backwards Describe position – above and below Ordinal numbers 	Number Place Value (within 100) <ul style="list-style-type: none"> Count from 50 to 100 Tens to 100 Partition into tens and ones The number line to 100 1 more, 1 less Compare numbers with the same number of tens Compare any two numbers 	Measurement Money <ul style="list-style-type: none"> Unitising Recognise coins Recognise notes Count in coins 	Measurement Time <ul style="list-style-type: none"> Before and after Days of the week Months of the year Hours, minutes and seconds Tell the time to the hour Tell the time to the half hour 	Consolidation
	Key Vocabulary	Multiplication Division Arrays	Whole Half Quarter Equal parts	Position Direction Movement Whole turn Quarter turn Half turn Three quarter turn	Sort Represent Multiples Partitioning Ones Tens	Money Coins Notes Pounds £ Pence p	

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Year 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place Value <ul style="list-style-type: none"> Numbers to 20 Count objects to 100 by making 10s Recognise tens and ones Use a place value chart Partition numbers to 100 Write numbers to 100 in words Flexibly partition numbers to 100 Write numbers to 100 in expanded form 10s on the number line to 100 10s and 1s on the number line to 100 Estimate numbers on a number line Compare objects Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s 				Number Addition and subtraction <ul style="list-style-type: none"> Bonds to 10 Fact families- addition and subtraction facts within 20 Related facts Bonds to 100 (tens) Add and subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across 10 Subtract from a 10 Subtract a 1-digit number from a 2-digit number (across a 10) 10 more, 10 less Add and subtract 10s Add two 2-digit numbers (not across a 10) Add two 2-digit numbers (across a 10) Subtract two 2-digit numbers (not across a 10) Subtract two 2-digit numbers (across a 10) Mixed addition and subtraction Compare number sentences Missing number problems 				Geometry Shape <ul style="list-style-type: none"> Recognise 2-D and 3-D shapes Count sides on 2-D shapes Count vertices on 2-D shapes Draw 2-D shapes Lines of symmetry on shapes Use lines of symmetry to complete shapes Sort 2-D shapes Count faces on 3-D shapes Count edges on 3-D shapes Count vertices on 3-D shapes Sort 3-D shapes Make patterns with 2-D and 3-D shape 			
	Key Vocabulary	Count in steps Count in multiples Place value Estimate Compare				Sum 3 digit number Commutative				Pentagon Hexagon Line of symmetry Properties Cylinder Edges Vertices Vertex		

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Spring	<p>Measurement</p> <p>Money</p> <ul style="list-style-type: none"> Count money - pence Count money - pounds (notes and coins) Count money - pounds and pence Choose notes and coins Make the same amount Compare amounts of money Calculate with money Make a pound Find change Two-step problem 	<p>Number</p> <p>Multiplication and Division</p> <ul style="list-style-type: none"> Recognise equal groups Make equal groups Add equal groups Introduce the multiplication symbol Multiplication sentences Use arrays Make equal groups – grouping Make equal groups – sharing The 2 times-table Divide by 2 Doubling and halving Odd and even numbers The 10 times-table Divide by 10 The 5 times-table Divide by 5 The 5 and 10 times-tables 	<p>Measurement</p> <p>Length and Height</p> <ul style="list-style-type: none"> Measure in centimetres Measure in metres Compare lengths and heights Order lengths and heights Four operations with lengths and heights 	<p>Measurement</p> <p>Mass, capacity and temperature</p> <ul style="list-style-type: none"> Compare mass Measure in grams Measure in kilograms Four operations with mass Compare volume and capacity Measure in millilitres Measure in litres Four operations with volume and capacity Temperature
	Key Vocabulary	<p>Value Change</p>	<p>Multiplication tables Commutative Repeated addition</p>	<p>Standard units Estimate Order Record results Centimetre cm Metre m</p>

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Summer	<p>Number</p> <p>Fractions</p> <ul style="list-style-type: none"> • Introduction to parts and whole • Equal and unequal parts • Recognise a half • Find a half • Recognise a quarter • Find a quarter • Recognise a third • Find a third • Find the whole • Unit fractions • Non-unit fractions • Recognise the equivalence of a half and two-quarters • Recognise three-quarters • Find three-quarters • Count in fractions up to a whole 	<p>Measurement</p> <p>Time</p> <ul style="list-style-type: none"> • O'clock and half past • Quarter past and quarter to • Tell time past the hour • Tell time to the hour • Tell the time to 5 minutes • Minutes in an hour • Hours in a day 	<p>Statistics</p> <ul style="list-style-type: none"> • Make tally charts • Tables • Block diagrams • Draw pictograms (1-1) • Interpret pictograms (1-1) • Draw pictograms (2, 5 and 10) • Interpret pictograms (2, 5 and 10) 	<p>Geometry</p> <p>Position and direction</p> <ul style="list-style-type: none"> • Language of position • Describe movement • Describe turns • Describe movement and turns • Shape patterns with turns 	Consolidation
Key Vocabulary	<p>Three quarters Third Equivalent fractions Unit fractions Non unit fractions Numerator Denominator One whole</p>	<p>Intervals of time Quarter past/quarter to Duration</p>	<p>Pictograms Tally chart Block diagram Category Sorting Totalling Comparing Horizontal Vertical</p>	<p>Clockwise/ anti-clockwise Straight line Rotation Arrange sequences</p>	



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Year 3	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place Value <ul style="list-style-type: none"> Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1,000 Partition numbers to 1,000 Flexible partitioning of numbers to 1000 Hundreds, tens and ones Find 1, 10 or 100 more or less Number line to 1,000 Estimating on a number line to 1,000 Compare numbers to 1,000 Order numbers to 1,000 Count in 50s 		Number Addition and subtraction <ul style="list-style-type: none"> Apply number bonds within 10 Add and subtract 1s Add and subtract 10s Add and subtract 100s Spot the pattern Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100 Make connections Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10) Add two numbers (across a 100) Subtract two numbers (across a 10) Subtract two numbers (across a 100) Add 2-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number Complements to 100 Estimate answers Inverse operations Make decisions 					Number Multiplication and Division <ul style="list-style-type: none"> Multiplication- equal groups Use arrays Multiples of 2 Multiples of 5 and 10 Sharing and grouping Multiply by 3 Divide by 3 The 3 times-table Multiply by 4 Divide by 4 The 4 times-table Multiply by 8 Divide by 8 The 8 times-table The 2, 4 and 8 times-tables 				
	Key Vocabulary YR, Y1 and Y2 also	Ascending Descending 10 or 100 more 10 or 100 less Hundreds		Column addition Column subtraction Exchange estimate					Exchange Mathematical statements Missing number problems Integer scaling problems Correspondence problems Derived facts			

Progression of Skills in Mathematics Years 1-6

	Number Multiplication and Division	Measurement Length and perimeter	Number Fractions	Measurement Mass and capacity
Spring	<ul style="list-style-type: none"> • Multiples of 10 • Related calculations • Reasoning about multiplication • Multiply a 2-digit number by a 1-digit number – no exchange • Multiply a 2-digit number by a 1-digit number – with exchange • Link multiplication and division • Divide a 2-digit number by a 1-digit number – no exchange • Divide a 2-digit number by a 1-digit number – flexible partitioning • Divide a 2-digit number by a 1-digit number – with reminders • Scaling How many ways 	<ul style="list-style-type: none"> • Measure in metres and centimetres • Measure in millimetres • Measure in centimetres and millimetres • Metres, centimetres and millimetres • Equivalent lengths (metres and centimetres) • Equivalent lengths (centimetres and millimetres) • Compare lengths • Add lengths Subtract lengths • What is perimeter? • Measure perimeter • Calculate perimeter 	<ul style="list-style-type: none"> • Understand the denominators of unit fractions • Compare and order unit fractions • Understand the numerators of non-unit fractions • Understand the whole • Compare and order non-unit fractions • Fractions and scales • Fractions on a number line • Count in fractions on a number line • Equivalent fractions on a number line • Equivalent fractions as bar models 	<ul style="list-style-type: none"> • Use scales • Measure mass in grams • Measure mass in kilograms and grams • Equivalent masses (kilograms and grams) • Compare mass • Add and subtract mass • Measure capacity and volume in millilitres • Measure capacity and volume in litres and millilitres • Equivalent capacities and volumes (litres and millilitres) • Compare capacity and volume • Add and subtract capacity and volume
Key vocabulary YR, Y1 and Y2 also	Exchange Mathematical statements Missing number problems Integer scaling problems Correspondence problems Derived facts	Millimetre (mm) Perimeter	tenths	Same words from Year R, Year 1 and Year 2



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Summer	Number Fractions	Measurement Money	Measurement Time	Geometry Shape	Statistics	Consolidation
	<ul style="list-style-type: none">• Add fractions• Subtract fractions• Partition the whole• Unit fractions of a set of objects• Non-unit fractions of a set of objects• Reasoning with fractions of an amount	<ul style="list-style-type: none">• Pounds and pence• Convert pounds and pence• Add money• Subtract money• Find change	<ul style="list-style-type: none">• Roman numerals to 12• Tell the time to 5 minutes• Tell the time to the minute• Read time on a digital clock• Use am and pm• Years, months and days• Days and hours• Hours and minutes – use start and end times• Hours and minutes – use durations• Minutes and seconds• Units of time• Solve problems with time	<ul style="list-style-type: none">• Turns and angles• Right angles• Compare angles• Measure and draw accurately• Horizontal and vertical• Parallel and perpendicular• Recognise and describe 2-D shapes• Draw polygons• Recognise and describe 3-D shapes• Make 3-D shapes	<ul style="list-style-type: none">• Interpret pictograms• Draw pictograms• Interpret bar charts• Draw bar charts• Collect and represent data• Two-way tables	



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Key Vocabulary YR, Y1 and Y2 words also	Tenths			<i>As per Y1 and Y2</i>			Analogue Roman numerals 12-hour clock 24-hour clock a.m./ p.m. noon midnight leap year digital	Right angle triangle Heptagon Octagon Polygon Properties Prism Orientations Angles Acute angle Obtuse angle Turn Right angle Half turn Three quarters of a turn Horizontal line Vertical line	Table Bar chart One-step problem Two-step problem			
	Year 4	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11

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Autumn	<p>Number Place Value</p> <ul style="list-style-type: none"> • Represent numbers to 1000 • Partition numbers to 1,000 • Number line to 1,000 • Thousands • Represent numbers to 10,000 • Partition numbers to 10,000 • Flexible partitioning of numbers to 10,000 • Find 1, 10, 100, 1,000 more or less • Number line to 10,000 • Estimate on a number line to 10,000 • Compare numbers to 10,000 • Order numbers to 10,000 • Roman numerals • Round to the nearest 10 • Round to the nearest 100 • Round to the nearest 1,000 • Round to the nearest 10, 100 or 1,000 	<p>Number Addition and subtraction</p> <ul style="list-style-type: none"> • Add and subtract 1s, 10s, 100s and 1,000s • Add up to two 4-digit numbers - no exchange • Add two 4-digit numbers - one exchange • Add two 4-digit numbers - more than one exchange • Subtract two 4-digit numbers - no exchange • Subtract two 4-digit numbers - one exchange • Subtract two 4-digit numbers - more than one exchange • Efficient subtraction • Estimate answers • Checking strategies 	<p>Measurement Area</p> <p>What is area? Counting squares Make shapes Compare area</p>	<p>Number Multiplication and Division</p> <ul style="list-style-type: none"> • Multiples of 3 • Multiply and divide by 6 • 6 times-table and division facts • Multiply and divide by 9 • 9 times-table and division facts • The 3, 6 and 9 times-tables • Multiply and divide by 7 • 7 times-table and division facts • 11 times-table and division facts • 12 times-table and division facts • Multiply by 1 and 0 • Divide by 1 and itself • Multiply three numbers 	Consolidation



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Key Vocabulary	Negative numbers Roman numerals 1000 more 1000 less thousands rounds	4 digit number Operations methods	area	Factor pairs Formal written layout Distributive law Remainders	
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Spring	<p>Number Multiplication and Division</p> <ul style="list-style-type: none"> Factor pairs Use factor pairs Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 Related facts – multiplication and division Informal written methods for multiplication Multiply a 2-digit number by a 1-digit number Multiply a 3-digit number by a 1-digit number Divide a 2-digit number by a 1-digit number (1) Divide a 2-digit number by a 1-digit number (2) Divide a 3-digit number by a 1-digit number Correspondence problems Efficient multiplication 	<p>Measurement Length and perimeter</p> <ul style="list-style-type: none"> Measure in kilometres and metres Equivalent lengths (kilometres and metres) Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes Find missing lengths in rectilinear shapes Calculate the perimeter of rectilinear shapes Perimeter of regular polygons Perimeter of polygons 	<p>Number Fractions</p> <ul style="list-style-type: none"> Understand the whole Count beyond 1 Partition a mixed number Number lines with mixed numbers Compare and order mixed numbers Understand improper fractions Convert mixed numbers to improper fractions Convert improper fractions to mixed numbers Equivalent fractions on a number line Equivalent fraction families Add two or more fractions Add fractions and mixed numbers Subtract two fractions Subtract from whole amounts Subtract from mixed number 	<p>Number Decimals</p> <ul style="list-style-type: none"> Tenths as fractions Tenths as decimals Tenths on a place value chart Tenths on a number line Divide a 1-digit number by 10 Divide a 2-digit number by 10 Hundredths as fractions Hundredths as decimals Hundredths on a place value chart Divide a 1 or 2-digit number by 100



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Key Vocabulary	Factor pairs Formal written layout Distributive law Remainders		Kilometres (km) Rectilinear figure	Decimal equivalents Hundredths Convert Proper fractions Improper fractions Decimal point		Decimal equivalents Hundredths Convert Decimal point	
	Summer	Number Decimals <ul style="list-style-type: none"> • Make a whole with tenths • Make a whole with hundredths • Partition decimals • Flexibly partition decimals • Compare decimals • Order decimals • Round to the nearest whole number • Halves and quarters as decimals 	Measurement Money <ul style="list-style-type: none"> • Write money using decimals • Convert between pounds and pence • Compare amounts of money • Estimate with money • Calculate with money • Solve problems with money 	Measurement Time <ul style="list-style-type: none"> • Years, months, weeks and days • Hours, minutes and seconds • Convert between analogue and digital times • Convert to the 24 hour clock • Convert from the 24 hour clock 	Consolidation	Geometry Shape <ul style="list-style-type: none"> • Understand angles as turns • Identify angles • Compare and order angles • Triangles • Quadrilaterals • Polygons • Lines of symmetry • Complete a symmetric figure 	Statistics <ul style="list-style-type: none"> • Interpret charts • Comparison, sum and difference • Interpret line graphs • Draw line graphs



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Key Vocabulary	Decimal equivalents Hundredths Convert Proper fractions Improper fractions Decimal point	<i>As per Y1, Y2 and Y3</i>	<i>As per YR, Y1, y2 and Y3</i>		Isosceles Equilateral Scalene Trapezium Rhombus Parallelogram Kite Geometric shapes Quadrilaterals	Time graph Discrete data Continuous data Line graphs Comparison problem Sum problem Difference problem Calculate interpret	Co-ordinates First Quadrant Translation Plot Polygon Axis
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Year 5	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12			
Autumn	Number Place Value <ul style="list-style-type: none"> Roman numerals to 1,000 Numbers to 10,000 Numbers to 100,000 Numbers to 1,000,000 Read and write numbers to 1,000,000 Powers of 10 10/100/1,000/10,000/100,000 more or less Partition numbers to 1,000,000 Number line to 1,000,000 Compare and order numbers to 100,000 Compare and order numbers to 1,000,000 Round to the nearest 10, 100 or 1,000 Round within 100,000 Round within 1,000,000 			Number Addition and subtraction <ul style="list-style-type: none"> Mental strategies Add whole numbers with more than four digits Subtract whole numbers with more than four digits Round to check answers Inverse operations (addition and subtraction) Multi-step addition and subtraction problems Compare calculations Find missing numbers 			Number Multiplication and Division <ul style="list-style-type: none"> Multiples Common multiples Factors Common factors Prime numbers Square numbers Cube numbers Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiples of 10, 100 and 1,000 			Number Fractions <ul style="list-style-type: none"> Find fractions equivalent to a unit fraction Find fractions equivalent to a non-unit fraction Recognise equivalent fractions Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Compare fractions less than 1 Order fractions less than 1 Compare and order fractions greater than 1 Add and subtract fractions with the same denominator Add fractions within 1 Add fractions with total greater than 1 Add to a mixed number Add two mixed numbers Subtract fractions Subtract from a mixed number Subtract from a mixed number - breaking the whole Subtract two mixed numbers 					
	Key Vocabulary	Ten thousands One hundred thousands Powers of integer			As per YR, Y1, Y2, Y3 and Y4			Multiples Factors Prime numbers Square numbers Cube numbers Short division			Fifth Thousandths Mixed numbers Per cent % Factors Integer complements				



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Spring	<p>Number Multiplication and Division</p> <ul style="list-style-type: none"> • Multiply up to a 4-digit number by a 1-digit number • Multiply a 2-digit number by a 2-digit number (area model) • Multiply a 2-digit number by a 2-digit number • Multiply a 3-digit number by a 2-digit number • Multiply a 4-digit number by a 2-digit number • Solve problems with multiplication • Short division • Divide a 4-digit number by a 1-digit number • Divide with remainders • Efficient division • Solve problems with multiplication and division 	<p>Number Fraction</p> <ul style="list-style-type: none"> • Multiply a unit fraction by an integer • Multiply a non-unit fraction by an integer • Multiply a mixed number by an integer • Calculate a fraction of a quantity • Fraction of an amount • Find the whole Use fractions as operators 	<p>Number Decimals and Percentages</p> <ul style="list-style-type: none"> • Decimals up to 2 decimal places • Equivalent fractions and decimals (tenths) • Equivalent fractions and decimals (hundredths) • Equivalent fractions and decimals • Thousandths as fractions • Thousandths as decimals • Thousandths on a place value chart • Order and compare decimals (same number of decimal places) • Order and compare any decimals with up to 3 decimal places • Round to the nearest whole number • Round to 1 decimal place • Understand percentages • Percentages as fractions • Percentages as decimals • Equivalent fractions, decimals and percentage 	<p>Measurement Perimeter and area</p> <ul style="list-style-type: none"> • Perimeter of rectangles • Perimeter of rectilinear shapes • Perimeter of polygons • Area of rectangles • Area of compound shapes • Estimate area 	<p>Statistics</p> <ul style="list-style-type: none"> • Draw line graphs • Read and interpret line graphs • Read and interpret tables • Two-way tables • Read and interpret timetables



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	Multiples Factors Prime numbers Square numbers Cube numbers Short division Quotient Divisor dividend	Fifth Thousandths Mixed numbers Per cent % Factors Integer complements	As per Year 4	Timetable Two way timetables
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Progression of Skills in Mathematics Years 1-6

	Geometry Shape	Geometry Position and direction	Number Decimals	Number Negative numbers	Measurement Converting units	Measurement Volume
Summer	<ul style="list-style-type: none"> Understand and use degrees Classify angles Estimate angles Measure angles up to 180° Draw lines and angles accurately Calculate angles around a point Calculate angles on a straight line Lengths and angles in shapes Regular and irregular polygons 3-D shapes 	<ul style="list-style-type: none"> Read and plot coordinates Problem solving with coordinates Translation Translation with coordinates Lines of symmetry Reflection in horizontal and vertical lines 	<ul style="list-style-type: none"> Use known facts to add and subtract decimals within 1 Complements to 1 Add and subtract decimals across 1 Add decimals with the same number of decimal places Subtract decimals with the same number of decimal places Add decimals with different numbers of decimal places Subtract decimals with different numbers of decimal places Efficient strategies for adding and subtracting decimals Decimal sequences Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply and divide decimals - missing values 	<ul style="list-style-type: none"> Understand negative numbers Count through zero in 1s Count through zero in multiples Compare and order negative numbers Find the difference 	<ul style="list-style-type: none"> Kilograms and kilometres Millimetres and millilitres Convert units of length Convert between metric and imperial units Convert units of time Calculate with timetables 	<ul style="list-style-type: none"> Cubic centimetres Compare volume Estimate volume Estimate capacity



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	Regular polygon Irregular polygon Reflex angles Degrees One whole turn Angles on a straight line Angles around a point Vertically opposite ,missing angles	Reflection	Fifth Thousandths Mixed numbers Per cent % Factors Integer complements	As per previous years	Pounds pints	Cubic centimetre
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Year 6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place Value <ul style="list-style-type: none"> Numbers to 1,000,000 Numbers to 10,000,000 Read and write numbers to 10,000,000 Powers of 10 Number line to 10,000,000 Compare and order any integers Round any integers Negative numbers 		Number Four operations <ul style="list-style-type: none"> Add and subtract integers Common factors Common multiples Rules of divisibility Primes to 100 Square and cube numbers Multiply up to a 4-digit number by a 2-digit number Solve problems with multiplication Short division Division using factors Introduction to long division Long division with remainders Solve problems with division Solve multi-step problems Order of operations Mental calculations and estimation Reason from known facts 				Number Fractions A and B <ul style="list-style-type: none"> Equivalent fractions and simplifying Equivalent fractions on a number line Compare and order (denominator) Compare and order (numerator) Add and subtract simple fractions Add and subtract any two fractions Add mixed numbers Subtract mixed numbers Multi-step problems Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer Divide any fraction by an integer Mixed questions with fractions Fraction of an amount Fraction of an amount - find the whole 				Number Converting Units <ul style="list-style-type: none"> Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measure 	
	Key Vocabulary	<i>As per vocabulary taught from Reception to Year 5</i> Millions Ten millions		<i>Vocabulary taught from Reception to Year 5</i> Multi-digit numbers Long division				<i>As per vocabulary taught in Y1-Y5</i>				Conversion Miles Ounces Stones Gallons Feet Formulae



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Spring	<p>Number Ratio</p> <ul style="list-style-type: none"> Add or multiply? Using ratio language Introduction to the ratio symbol Ratio and fractions Scale drawing Using scale factors Similar shapes Ratio problems Proportion problems Recipes 	<p>Number Algebra</p> <ul style="list-style-type: none"> 1-step function machines 2-step function machines Form expressions Substitution Formulae Form equations Solve 1-step equations Solve 2-step equations Find pairs of values Solve problems with two unknowns 	<p>Number Decimals</p> <ul style="list-style-type: none"> Place value within 1 Place value – integers and decimals Round decimals Add and subtract decimals Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply decimals by integers Divide decimals by integers Multiply and divide decimals in context 	<p>Number Fractions, decimals and percentages</p> <ul style="list-style-type: none"> Decimal and fraction equivalents Fraction as division Understand percentages Fractions to percentages Equivalent fractions, decimals and percentages Order fractions, decimals and percentages Percentage of an amount – one step Percentage of an amount – multi-step Percentages – missing values 	<p>Measurement Area, perimeter and volume</p> <ul style="list-style-type: none"> Shapes – same area Area and perimeter Area of a triangle – counting squares Area of a right-angled triangle Area of any triangle Area of a parallelogram Volume – counting cubes Volume of a cuboid 	<p>Statistics</p> <ul style="list-style-type: none"> Line graphs Dual bar charts Read and interpret pie charts Pie charts with percentages Draw pie charts The mean



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Key Vocabulary	Relative size Missing values Integer multiplication Percentages Scale factor Unequal sharing and grouping	Formulae Linear number sequences Algebraically Equation Unknowns Combinations variables	<i>As per vocabulary taught in Y1-Y5</i>	<i>As per vocabulary taught in Y1-Y5</i>	Formulae Parallelograms Triangles Cubic kilometre Cubic millimetre Cubic metre	Pie chart Mean
Summer	Geometry Shape <ul style="list-style-type: none"> • Measure and classify angles • Calculate angles • Vertically opposite angles • Angles in a triangle • Angles in a triangle – special cases • Angles in a triangle – missing angles • Angles in quadrilaterals • Angles in polygons • Circles • Draw shapes accurately • Nets of 3-D shapes 		Geometry Position and direction <ul style="list-style-type: none"> • The first quadrant • Read and plot points in four quadrants • Solve problems with coordinates • Translations • Reflection 	Consolidation and problem solving		
Key Vocabulary	All vocabulary from YR-Y5 Circumference Dimensions Radius Diameter	All vocabulary from YR-Y5 Four quadrants Co-ordinate plane				