

Mathletics

White Rose Maths Aligned

Skill Quests & Activities



Years 4-6

September 2023

Mathletics

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Year 4

Autumn

Number: Place value	
Skill Quests	Skills
A1 Place value review	Represent numbers to 1,000
	Partition numbers to 1,000
	Number line to 1,000
	Thousands
A1 Place value	Represent numbers to 10,000
	Partition numbers to 10,000
	Flexible partitioning to 10,000
	Find 1, 10, 100, 1,000 more or less
	Working with a number line to 10,000
A1 Comparing & ordering numbers	Compare numbers to 10,000
	Order numbers to 10,000
A1 Roman numerals	Roman numerals
A1 Rounding numbers	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
Course Topic	Activities Title
Autumn: Number (place value)	Place Value to Thousands
	Place Value 3
	Partition and Rename 3
	Expanding Numbers
	Which Is Greater?
	Which Is Less?
	Put in Order 1
	Missing Numbers 1
	Integers on a Number Line
	Converting to Roman Numerals to 100
	Nearest 10?
	Nearest 100?
	Nearest 1000?
	Rounding Numbers

Number: Addition and Subtraction	
Skill Quests	Skills
A2 Addition & subtraction review	Add & subtract 1s, 10s, 100s & 1,000s
A2 Addition	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
A2 Subtraction	Subtract two 4-digit numbers - no exchange
	Subtract two 4-digit numbers - one exchange
	Subtract two 4-digit numbers with exchanges

	Efficient subtraction
A2 Estimation & checking	Estimate answers
	Checking strategies
Course Topic	Activities Title
Autumn: Number (addition and subtraction)	Add 3-Digit Numbers: Exchanging (UK)
	Strategies for Column Addition (UK)
	3-Digit Differences
	Bump Add and Subtract
	Adding Colossal Columns (UK)
	Estimate Sums
	Split Add and Subtract
	Jump Add and Subtract
	Subtracting Colossal Columns (UK)
	Estimate Differences

Measurement: Area	
Skill Quests	Skills
A3 Area	What is area?
	Count squares
	Make shapes
	Compare area
Course Topic	Activities Title
Autumn: Measurement (area)	Area of Shapes
	Equal Areas
	Biggest Shape

Number: Multiplication and division A	
Skill Quests	Skills
A4 Multiplication facts for 3, 6 & 9	Multiples of 3
	Multiply & divide by 6
	6 times-table & division facts
	Multiply & divide by 9
	9 times-table & division facts
	The 3, 6 & 9 times-tables
A4 Multiplication facts for 7, 11 & 12	Multiply & divide by 7
	7 times-table & division facts
	11 times-table & division facts
	12 times-table & division facts
A4 Multiplication & division properties	Multiply by 1 & 0
	Divide by 1 & itself
	Multiply 3 numbers
Course Topic	Activities Title
Autumn: Number (multiplication & division A)	Grouping in Threes
	Counting up in 6s
	Groups of Six
	Dividing Sixes
	Groups of Nine
	Dividing Nines
	Counting up in 7s
	Groups of Seven

	Dividing Sevens
	Times Tables
	Multiply 3 single-digit numbers

Spring

Number: Multiplication and division B	
Skill Quests	Skills
Sp1 Factor pairs	Factor pairs
	Use factor pairs
Sp1 Multiply & divide by 10 & 100	Multiply by 10
	Multiply by 100
	Divide by 10
	Divide by 100
Sp1 Related facts	Related facts - multiplication & division
Sp1 Multiplication	Informal written methods
	Multiply a 2-digit by a 1-digit number
	Multiply a 3-digit by a 1-digit number
Sp1 Division	Divide a 2-digit by a 1-digit number (1)
	Divide a 2-digit by a 1-digit number (2)
	Divide a 3-digit by a 1-digit number
Sp1 Solving multiplication problems	Correspondence problems
	Efficient multiplication
Course Topic	Activities Title
Spring: Number (multiplication & division B)	Factors
	Find the Factor
	Multiply Multiples of 10
	Mental Methods Multiplication 1
	Mental Methods Division 1
	Multiplication Turn-Abouts

Measurement: Length and perimeter	
Skill Quests	Skills
Sp2 Length	Measure in kilometres & metres
	Equivalent lengths (kilometres & metres)
Sp2 Perimeter	Perimeter on a grid
	Perimeter of a rectangle
	Working with perimeter of rectilinear shapes
	Perimeter of regular polygons
	Perimeter of polygons
Course Topic	Activities Title
Spring: Measurement (length and perimeter)	Measuring Length
	Converting cm and mm
	Centimetres and Metres
	Kilometre Conversions
	Metres and Kilometres
	Operations with Length
	Perimeter of Shapes
	Calculate Perimeter of Squares and Rectangles

Number: Fractions	
Skill Quests	Skills
Sp3 Mixed numbers & wholes	Understand the whole
	Count beyond 1
	Partition a mixed number
	Working with mixed numbers
Sp3 Improper fractions	Understand improper fractions
	Convert mixed numbers & improper fractions
Sp3 Fractions: equivalence	Equivalent fractions on a number line
	Equivalent fraction families
Sp3 Fractions: Add & subtract	Add two or more fractions
	Add fractions & mixed numbers
	Subtract two fractions
	Subtract from whole amounts
	Subtract from mixed numbers
Course Topic	Activities Title
Spring: Number (fractions)	Model Fractions
	Identifying Fractions on a Number Line
	Identifying Fractions Beyond 1
	What Mixed Number Is Shaded?
	Mixed and Improper Fractions on a Number Line
	Mixed to Improper Fractions
	Improper to Mixed
	Improper Fraction to Mixed Numeral
	Equivalent Fractions
	What fraction Is Shaded 1
	Equivalent Fraction Wall 2
	Equivalent Fractions
	Add Like Fractions
	Subtract Like Fractions

Number: Decimals A	
Skill Quests	Skills
Sp4 Decimals A: tenths	Tenths as fractions
	Tenths as decimals
	Tenths on a place value grid
	Tenths on a number line
	Divide 1-digit by 10
	Divide 2-digit by 10
Sp4 Decimals A: Hundredths	Hundredths
	Hundredths as decimals
	Hundredths on a place value grid
	Divide 1 or 2-digits by 100
Course Topic	Activities Title
Spring: Number (decimals A)	Decimals from Words to Digits 1
	Decimals on the Number Line

Summer

Number: Decimals B	
Skill Quests	Skills
Sum1 Making a whole with decimals	Make a whole with tenths
	Make a whole with hundredths
Sum1 Working with decimals	Partition decimals
	Flexibly partition decimals
	Compare & order decimals
	Round to the nearest whole number
	Halves & quarters as decimals
Course Topic	Activities Title
Summer: Number (decimals B)	Comparing Decimals 1
	Decimal Order 1
	Decimal Complements

Measurement: Money	
Skill Quests	Skills
Sum2 Money	Convert between pounds & pence
	Compare amounts of money
	Estimate with money
	Calculate & solve problems with money
Course Topic	Activities Title
Summer: Measurement (money)	Who has the money? (GBP)
	Money - Adding (GBP)
	Money Problems: Four Operations with Pounds

Measurement: Time	
Skill Quests	Skills
Sum3 Time	Years, months, weeks & days
	Hours, minutes & seconds
	Convert between analogue & digital times
	Convert to & from the 24-hour clock
Course Topic	Activities Title
Summer: Measurement (time)	Time Conversions: Whole Numbers 2
	What is the Time?
	24 Hour Time

Geometry: Shape	
Skill Quests	Skills
Sum4 Angles	Understand angles as turns
	Identify angles
	Compare & order angles
Sum4 Classifying shapes	Triangles
	Quadrilaterals
	Polygons
Sum4 Symmetry	Lines of symmetry

	Symmetric figures
Course Topic	Activities Title
Summer: Geometry (shape)	What Type of Angle?
	What Type of Angle 2?
	Comparing Angles
	Triangle Tasters
	Symmetry or Not?
	Collect the Polygons
	Collect the Shapes

Statistics	
Skill Quests	Skills
Sum5 Statistics	Interpret charts – tables
	Interpret charts – pictograms
	Interpret charts - bar charts
	Solving problems using charts
	Comparison, sum & difference
	Interpret & draw line graphs
Course Topic	Activities Title
Summer: Statistics	Interpreting Tables
	Bar Chart
	Line Graphs: Explanation

Geometry: Position and Direction	
Skill Quests	Skills
Sum6 Position & direction	Describe position using coordinates
	Plot coordinates
	Draw 2-D shapes on a grid
	Translate on a grid
	Describe translation on a grid
Course Topic	Activities Title
Summer: Geometry (position and direction)	Coordinate Meeting Place
	Coordinate Graphs: 1st Quadrant

Problem solving	
Course Topic	Activities Title
Problem solving	Magic Symbols 1
	Bar Model Problems 2
	Find the Missing Number 1
	I am Thinking of a Number!
	Fit the Conditions 1

Year 5

Autumn

Number: Place value	
Skill Quests	Skills
A1 Roman numerals	Roman numerals to 1,000
A1 Place value	Numbers to 10,000
	Numbers to 100,000
	Numbers to 1,000,000
	Read & write numbers to 1,000,000
	Powers of 10
	10/100/1,000/10,000/100,000 more or less
A1 Comparing & ordering numbers	Partition numbers to 1,000,000
	Compare & order numbers to 100,000
A1 Rounding numbers	Compare & order numbers to 1,000,000
	Round to nearest 10, 100 & 1,000
	Round within 100,000
A1 Rounding numbers	Round within 1,000,000
Course Topic	Activities Title
Autumn: Number (place value)	Converting to Roman Numerals to 1000
	Converting from Roman Numerals to 1000
	Place Value to Millions
	Expanded Notation
	Partition and rename 3
	Numbers in Words
	Numbers from Words to Digits 1
	Numbers from Words to Digits 2
	Nearest 10?
	Nearest 100?
	Nearest 1000?
	Rounding Numbers

Number: Addition & Subtraction	
Skill Quests	Skills
A2 Addition & subtraction strategies	Mental strategies
A2 Formal algorithm	Add whole numbers with more than four digits
	Subtract whole numbers with more than four digits
A2 Rounding & checking answers	Round to check answers
	Inverse operations (addition & subtraction)
A2 Addition & subtraction problems	Multi-step addition & subtraction problems
	Compare calculations
	Find missing numbers
Course Topic	Activities Title
Autumn: Number (addition and subtraction)	Jump Add and Subtract
	Split Add and Subtract
	Compensation – Add

	Compensation – Subtract
	Add 3-Digit Numbers: Exchanging (UK)
	Adding Colossal Columns (UK)
	Add Multi-Digit Numbers 2 (UK)
	Subtracting Colossal Columns (UK)
	Estimate Sums
	Estimate Differences
	Estimation: Add and Subtract

Number: Multiplication & Division A	
Skill Quests	Skills
A3 Multiples & factors	Multiples
	Common multiples
	Factors
	Common factors
A3 Prime, square & cube numbers	Prime numbers
	Square numbers
	Cube numbers
A3 Multiply & divide by 10, 100 & 1000.	Multiply by 10, 100 & 1,000
	Divide by 10, 100 & 1,000
	Multiples of 10, 100 & 1,000
Course Topic	Activities Title
Autumn: Number (multiplication and division A)	Multiples
	Lowest Common Multiple
	Factors
	Highest Common Factor
	Square Roots
	Prime or Composite?
	Multiplying by 10, 100, 1000
	Dividing Whole Numbers by 10, 100, 1000
	Mental Methods Multiplication 1

Number: Fractions A	
Skill Quests	Skills
A4 Fractions A	Find equivalent proper fractions
	Recognise equivalent fractions
	Convert improper fractions to mixed numbers
	Convert mixed numbers to improper fractions
	Compare & order fractions less than 1
	Compare & order fractions greater than 1
A4 Adding & subtraction fractions	Add & 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 two mixed numbers

Course Topic	Activities Title
Autumn: Number (fractions A)	Equivalent Fraction Wall 2
	Equivalent Fractions
	Identifying Fractions Beyond 1
	What Mixed Number Is Shaded?
	Mixed and Improper Fractions on a Number Line
	Counting with Fractions on a Number Line
	Common Denominator
	Add: No Common Denominator
	Subtract: No Common Denominator
	One Take Fraction
	Add Unlike Mixed Numbers
	Subtract Unlike Mixed Numbers

Spring

Number: Multiplication & division B	
Skill Quests	Skills
Sp1 Multiplication B	Multiply up to a 4-digit by a 1-digit number
	Multiply 2-digit by a 2-digit number (area model)
	Multiply a 2-digit by a 2-digit number
	Multiply a 3-digit by a 2-digit number
	Multiply a 4-digit by a 2-digit number
	Solve problems with multiplication
Sp1 Division B	Short division
	Divide a 4-digit by a 1-digit number
	Divide with remainders
	Efficient division
Sp1 Multiplication & division problems	Solve problems with multiplication & division
Course Topic	Activities Title
Spring: Number (multiplication and division B)	Contracted Multiplication
	Multiply 2 Digits Area Model
	Multiply: 1-Digit Number
	Grid Methods 1
	Grid Methods 2
	Grid Methods 3
	Divide: 1-Digit Divisor 2
	Remainders by Tables

Number: Fractions B	
Skill Quests	Skills
Sp2 Multiplying fractions	Multiply a unit fraction by an integer
	Multiply a non-unit fraction by an integer
	Multiply a mixed number by an integer
Sp2 Fraction problems	Calculate a fraction of a quantity
	Fraction of an amount
	Find the whole
	Using fractions as operators
Course Topic	Activities Title
Spring: Number (fractions B)	Multiply Fraction by Whole Number
	Fractions of a Collection 2
	Fraction Length Models 1
	Fraction Word Problems
	Fraction Fruit Sets 1

Number: Decimals and percentages	
Skill Quests	Skills
Sp3 Decimals & fractions	Decimals up to 2 decimal places
	Equivalent fractions & decimals (tenths)
	Equivalent fractions & decimals (hundredths)
	Equivalent fractions & decimals
Sp3 Thousandths	Working with thousandths

	Order & compare decimals up to 3 decimal places
Sp3 Rounding decimals	Round to the nearest whole number
	Round to 1 decimal place
Sp3 Percentages	Understand percentages
	Percentages as fractions
	Percentages as decimals
	Equivalent fractions, decimals & percentages
Course Topic	Activities Title
Spring: Number (decimals and percentages)	Convert Decimals to Fractions 2
	Decimals to Fractions 2
	Decimal Order 1
	Decimals on a Number Line
	Comparing Decimals
	Rounding Decimals 1
	Modelling Percentages

Measurement: Perimeter & Area	
Skill Quests	Skills
Sp4 Perimeter	Perimeter of rectangles
	Perimeter of rectilinear shapes
	Perimeter of polygons
Sp4 Area	Area of rectangles
	Area of compound shapes
	Estimate area
Course Topic	Activities Title
Spring: Measurement (perimeter and area)	Perimeter of Shapes
	Calculate Perimeter of Squares and Rectangles
	Perimeter
	Perimeter Detectives 1
	Area: Squares and Rectangles
	Area: Compound Figures

Statistics	
Skill Quests	Skills
Sp5 Statistics	Draw line graphs
	Read & interpret line graphs
	Read & interpret tables
	Two-way tables
	Read & interpret timetables
Course Topic	Activities Title
Spring: Statistics	Line Graphs: Explanation
	Interpreting Data Tables
	Using Timetables

Summer

Geometry: Shape	
Skill Quests	Skills
Sum1 Angles	Understand & use degrees
	Classify angles
	Estimate & measure angles up to 180°
	Draw lines & angles accurately
	Calculate angles around a point
	Calculating angles on a straight line
	Lengths & angles in shapes
Sum1 Polygons	Regular & irregular polygons
Sum1 3-D shapes	3-D shapes
Course Topic	Activities Title
Summer: Geometry (shape)	What Type of Angle?
	Classifying Angles
	Estimating Angles
	Angles in a Revolution
	Angles of revolution: Unknown Values
	How Many Faces?
	How many Edges?
	How many Vertices?
	Faces, Edges, and Vertices 1

Geometry: Position and direction	
Skill Quests	Skills
Sum2 Position & direction	Read & plot coordinates
	Problem solving with coordinates
	Translation
	Translation with coordinates
	Lines of symmetry
	Reflection in horizontal & vertical lines
Course Topic	Activities Title
Summer: Geometry (position and direction)	Coordinate Graphs: 1st Quadrant
	Transformations
	Symmetry or Not?
	Lines of Symmetry
	Transformations: Coordinate Plane

Number: Decimals	
Skill Quests	Skills
Sum3 Add & subtract decimals	Use known facts add & subtract decimals within 1
	Complements to 1
	Add & subtract decimals across 1
	Add decimals with same number of decimal places
	Subtract decimals same number of decimal places
	Add decimals different number of decimal places
	Subtract decimals in different place values
	Efficient strategies to add & subtract decimals

	Decimal sequences
Sum3 Multiply & divide decimals	Multiply by 10, 100 & 1,000
	Divide by 10, 100 & 1,000
	Multiply & divide decimals - missing values
Course Topic	Activities Title
Summer: Number (decimals)	Decimal Complements
	Subtract Decimals 1
	Add Decimals 1
	Adding Decimals
	Subtract Decimals 2
	Subtracting Decimals
	Adding and Subtracting Decimals
	Multiply Decimals: 10, 100, 1000
	Divide Decimals: 10, 100, 1000

Number: Negative numbers	
Skill Quests	Skills
Sum4 Negative numbers	Working with negative numbers
Course Topic	Activities Title
Summer: Number (negative numbers)	Integers on a Number Line
	Comparing Integers
	Ordering Integers (Number Line)

Measurement: Converting units	
Skill Quests	Skills
Sum5 Converting units	Kilograms & kilometres
	Millimetres & millilitres
	Convert units of length
	Convert between imperial & metric units
	Convert units of time
	Calculate with timetables
Course Topic	Activities Title
Summer: Measurement (converting units)	Grams and Kilograms
	Metres and Kilometres
	Grams and Milligrams
	Millilitres and Litres
	Converting Units of Length
	Converting cm and mm
	Centimetres and Metres
	Ounces and Pounds
	Inches, Feet, Yards
	Cups, Pints, Quarts, Gallons
	Time Conversions: Simple Fractions
	Time Zones

Measurement: Volume	
Skill Quests	Skills
Sum6 Volume	Cubic centimetres
	Comparing & estimating volume
	Estimate capacity
Course Topic	Activities Title
Summer: Measurement (volume)	How many Blocks?
	Volume of Solids and Prisms - 1 cm ³ blocks

Problem solving	
Course Topic	Activities Title
Problem solving	Pyramid Puzzles 2
	I am Thinking of a Number!
	Missing Numbers: x and ÷ facts
	Find the Missing Number 2

Year 6

Autumn

Number: Place value	
Skill Quests	Skills
A1 Place value	Read & write numbers to 10,000,000
	Powers of 10
	Number line to 10,000,000
	Compare & order any integers
	Round any integers
A1 Negative numbers	Negative numbers
Course Topic	Activities Title
Autumn: Number (place value)	Place Value to Millions
	Place Value – Millions
	Numbers from Words to Digits 2
	Expanded Notation
	Comparing Numbers
	Rounding Numbers
	Nearest 1000?
	Nearest Whole Number
	Comparing Integers (<, =, >)
	Integers on a Number Line
	Ordering Integers (Number Line)

Number: Four operations	
Skill Quests	Skills
A2 Addition & subtraction	Add & subtract integers
A2 Factors & multiples	Common factors
	Common multiples
A2 Divisibility	Rules of divisibility
A2 Prime, square & cube numbers	Primes to 100
	Square & cube numbers
A2 Multiplication	Multiply up to a 4-digit number by 2-digit number
	Solve problems with multiplication
A2 Division	Short division
	Division using factors
	Introduction to long division
	Long division with remainders
	Solve problems with division
A2 Multiplication & division problems	Solve multi-step problems
	Order of operations
A2 Multiplication & division strategies	Mental calculations & estimation
	Reason from known facts

Course Topic	Activities Title
Autumn: Number (addition, subtraction, multiplication and division)	Add Multi-Digit Numbers 2 (UK)
	Estimation: Add and Subtract
	Subtracting Colossal Columns (UK)
	Lowest Common Multiple
	Greatest Common Factor
	Divisibility Tests
	Prime or Composite?
	Square Roots
	Mental Methods Multiplication 1
	Mental Methods Division 1
	Estimation: Multiply and Divide
	Contracted Multiplication
	Long Multiplication
	Short Division
	Remainders by Tables
	Divide: 1-Digit Divisor 1
	Divide: 1-Digit Divisor 2
	Long Division 1
	Long Division
	Order of Operations 1 (BIDMAS)

Number: Fractions A	
Skill Quests	Skills
A3 Equivalent fractions	Equivalent fractions & simplifying
	Equivalent fractions on a number line
A3 Compare & order fractions	Compare & order (denominator)
	Compare & order (numerator)
A3 Add & subtract fractions	Add & subtract simple fractions
	Add & subtract any two fractions
	Add mixed numbers
	Subtract mixed numbers
A3 Fraction problems	Multi-step problems
Course Topic	Activities Title
Autumn: Number (fractions A)	Simplifying Fractions
	Identifying fractions beyond 1
	Equivalent Fractions on a Number Line 2
	Comparing Fractions 2
	Ordering Fractions 1
	Counting with Fractions on a Number Line
	Fraction Wall Labelling 1
	Add Unlike Fractions
	Add Like Mixed Numbers
	Add Unlike Mixed Numbers
	Subtract Unlike Fractions
	Subtract Unlike Mixed Numbers
	No Common Denominator
	Mixed Numerals

Number: Fractions B	
Skill Quests	Skills
A4 Multiply & divide fractions	Multiply fractions by integers
	Multiply fractions by fractions
	Divide a fraction by an integer
	Mixed questions with fractions
A4 Fraction of an amount	Fraction of an amount
	Fraction of an amount - find the whole
Course Topic	Activities Title
Autumn: Number (fractions B)	Model Fractions to Multiply
	Multiply Fraction by Whole Number
	Multiply: Whole Number and Fraction
	Multiply Fraction by Fraction
	Multiply Two Fractions 1
	Divide Fractions Visual Model
	Fraction of an Amount
	Fraction Word Problems

Measurement: Converting units	
Skill Quests	Skills
A5 Converting units	Metric measures
	Convert metric measures
	Calculate with metric measures
	Miles & kilometres
	Imperial measures
Course Topic	Activities Title
Autumn: Measurement (converting units)	Which Unit of Measurement?
	Converting cm and mm
	Centimetres and Metres
	Metres and Kilometres
	Converting Units of Length
	Grams and Kilograms
	Converting Units of Mass
	Millilitres and Litres
	Time Conversions: Simple Fractions

Spring

Number: Ratio	
Skill Quests	Skills
Sp1 Ratio	Using ratio language
	Introduction to the ratio symbol
	Ratio & fractions
	Scale drawing & using scale factors
	Similar shapes
	Ratio problems
	Proportion problems
	Recipes
Course Topic	Activities Title
Spring: Ratio	Word Problems: Ratio
	Best Buy
	Dividing a Quantity in a Ratio

Number: Algebra	
Skill Quests	Skills
Sp2 Function machines	1-step function machines
	2-step function machines
Sp2 Algebra	Form expressions
	Substitution
	Formulae
	Form equations
	Solve 1-step equations
	Solve 2-step equations
	Find pairs of values
	Solve problems with two unknowns
Course Topic	Activities Title
Spring: Algebra	Writing Algebraic Expressions
	Simple Substitution 1
	I am Thinking of a Number!
	Missing Numbers: Variables
	Solve Equations: Add, Subtract 1
	Solve Equations: Multiply, Divide 1
	Write an Equation: Word Problems
	Function Rules and Tables

Number: Decimals	
Skill Quests	Skills
Sp3 Place value decimals	Place value within 1
	Round decimals
Sp3 Add & subtract decimals	Add & subtract decimals
Sp3 Multiply & divide decimals	Multiply by 10, 100 & 1,000
	Divide by 10, 100 & 1,000
	Multiply decimals by integers
	Divide decimals by integers

	Multiply & divide decimals in context
Course Topic	Activities Title
Spring: Number (decimals)	Decimals from Words to Digits 2
	Decimal Place Value
	Rounding Decimals 1
	Adding and Subtracting Decimals
	Multiply Decimals: 10, 100, 1000
	Divide Decimals: 10, 100, 1000
	Decimal by Whole Number

Number: Fractions, decimals and percentages	
Skill Quests	Skills
Sp4 Fractions & decimals	Decimal & fraction equivalents
	Fraction as division
Sp4 Percentages	Understand percentages
	Fractions to percentages
	Equivalent fractions, decimals & percentages
	Order fractions, decimals & percentages
	Percentage of an amount
	Percentages - missing values
Course Topic	Activities Title
Spring: Number (fractions, decimals and percentages)	Decimals to Fractions 1
	Fraction to Terminating Decimal
	Fractions to Decimals
	Fractions to Decimals 2
	Fractions to Percentages (Non-Calculator)
	Common Fractions as Percentages
	Match Decimals and Percentages
	Calculating Percentages 1
	Percentage Word Problems

Measurement: Area, perimeter & volume	
Skill Quests	Skills
Sp5 Area & perimeter	Shapes - same area
	Area & perimeter
	Area of a triangle - counting squares
	Area of a right-angled triangle
	Area of any triangle
	Area of a parallelogram
Sp5 Volume	Volume - counting cubes
	Volume of a cuboid
Course Topic	Activities Title
Spring: Measurement (area, perimeter and volume)	Perimeter
	Area: Squares and Rectangles
	Area of Triangles
	Area: Parallelograms (Metric)
	Volume of Solids and Prisms - 1cm ³ blocks
	Volume: Rectangular Prisms 1

Statistics	
Skill Quests	Skills
Sp6 Statistics	Line graphs
	Dual bar charts
	Read & interpret pie charts
	Pie charts with percentages
	Draw pie charts
	The mean
Course Topic	Activities Title
Spring: Statistics	Line Graphs: Explanation
	Identify Parts of Circles 1
	Pie Charts
	Pie Chart Calculations
	The Mean
	Mean

Summer

Geometry: Shape	
Skill Quests	Skills
Sum1 Angles	Measure & classify angles
	Calculate angles
	Vertically opposite angles
	Angles in a triangle
	Angles in quadrilaterals
	Angles in polygons
Sum1 Shapes	Circles
	Draw shapes accurately
	Nets of 3-D shapes
Course Topic	Activities Title
Summer: Geometry (shape)	Measuring Angles
	Angles of Revolution: Unknown Values
	Vertically Opposite Angles: Unknown Values
	Angle Measures in a Triangle
	Interior Angles
	Nets

Geometry: Position & direction	
Skill Quests	Skills
Sum2 Position & direction	The first quadrant
	Read & plot points in four quadrants
	Solve problems with coordinates
	Translations
	Reflections
Course Topic	Activities Title
Summer: Geometry (position and direction)	Coordinate Graphs: 1st Quadrant
	Coordinate Graphs
	Transformations
	Transformations: Coordinate Plane
	Rotations: Coordinate Plane
	Horizontal and Vertical Change

Problem solving	
Course Topic	Activities Title
Problem solving	Money Problems: Four Operations with Pounds
	Divisibility Tests (2, 5, 10)
	More Fraction Problems
	Partition Puzzles 2
	Magic Symbols 2
	Perimeter Detectives 2



For more information about Mathletics,
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