Mathematics Curriculum Overview

	Autumn 1st	Autumn 2nd	Spring 1st	Spring 2nd	Summer 1st	Summer 2nd
Nursery	**Colours** Introduction to numbers 1 to 5: Number songs/rhymes Take part in finger rhymes with numbers. React to changes of amount in a group of up to three items. Count in everyday contexts, sometimes skipping numbers – '1-2-3-5'. Counting: saying number words in sequence Counting: tagging each object with one number word	**2D shapes** **Size** **Patterns** Introduction to shapes Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'. Develop fast recognition of up to 3 objects, without having to count them individually **('subitising').** Say one number for each item in order: 1,2,3,4,5. Show 'finger numbers' up to 5.	**Introduction Numbers 1 to 10** Songs and Rhymes Counting objects, actions and sounds **Positional Language** Understand position through words alone – for example, "The bag is under the table," – with no pointing. Shapes Counting the different shapes Select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc. Combine shapes to make new ones – an arch, a bigger triangle, etc.	**Numbers 1 to 10** Develop fast recognition of up to 3 objects, without having to count them individually **('subitising').** Recite numbers past 5. Say one number for each item in order: 1,2,3,4,5. Show 'finger numbers' up to 5. Experiment with their own symbols and marks as well as numerals Make comparisons between objects relating to size, length, weight and capacity.	Numbers 1 to 10**:** Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). **Writing Numbers** **Number problems** Link numerals and amounts: the right number of objects to match the numeral, up to 5. Solve real world mathematical problems with numbers up to 5. Compare quantities using language: 'more than', 'fewer than'.	**Matching Numerals to quantities** **Patterns** Revise numbers 1 to 10 Number songs Subitising activities Talk about and identify the patterns around them. Extend and create ABAB patterns – stick, leaf, stick, leaf. Notice and correct an error in a repeating pattern. Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then…' Size ordering Number and quantity relation

			Review: Develop fast recognition of up to 3 objects, without having to count them individually ('subitising').			Number formation Subitising Addition
Reception	**Count objects, actions and sounds.** **Compare length, weight and capacity** <u>Phase: Just like me!</u> Match and sort, compare amounts Compare size Compare amounts Compare height Compare length Exploring patterns: Repeating patterns Printing patterns Fruit kebab patterns Autumn walk patterns	**Link the number symbol (numeral) with its cardinal number value.** **Subitise** <u>Phase: It's me 1 2 3</u> Representing, matching, sorting, comparing and composition of 1, 2 &3 Circles and triangles: Sorting Circles and Triangle Shape Pictures Shape Hunt Positional language: Where's Teddy Hiding? Obstacle Course **Understand the 'one more than/one less than' relationship between consecutive numbers.** <u>Phase Light and Dark</u> Representing, matching, sorting, comparing and composition of 4 & 5.	**Compare numbers** <u>Phase: Alive in 5!</u> Introduce zero Comparing numbers to 5 Composition of 4 & 5 Compare mass – heavier and lighter than Full and empty Measuring capacity Measuring capacity – how many fit inside? Measuring ingredients Compare capacity **Subitise** <u>Growing 6,7,8,</u> Representing, matching, sorting, comparing and composition of 6, 7 & 8 Combining 2 amounts Making pairs Length & height: Comparing length – longer and shorter than Comparing height – taller and shorter than Measuring height Measuring time	**Explore the composition of numbers to 10** <u>Building 9 and 10</u> Counting to 9 & 10 Comparing numbers to 10 Bonds to 10 3-D shape – matching objects Building with 3-D shapes Printing with 3-D shapes Spatial Awareness: Patterns **Consolidation**	**Count beyond ten. Automatically recall number bonds for numbers 0-5 and some to 10.** <u>Phase: To 20 and Beyond</u> Building numbers beyond 10 Counting patterns beyond 10 **Can select, rotate and manipulate shapes** Spatial reasoning skills: Select, rotate and manipulate shapes **Can add more and take away** <u>Phase: First Then Now</u> Counting On Adding More Taking Away **Can compose and decompose shapes – shapes can have other shapes within it, just as numbers can**	**Continue, copy and create repeating patterns.** <u>Phase: Finding my Patterns</u> Doubling Sharing & grouping Even and odd Spatial reasoning: Visualise and build **Deepening understanding in patterns and relationships** <u>Phase: On The Move</u> Problem Solving Spatial Reasoning: Making Maps Designing Mazes

		Comparing one more one less. Shapes with 4 sides: Square and Rectangles Time			Spatial reasoning: Compose and decompose shapes	
Year 1	**Place Value (within 10):** Sort Objects Count objects from a group of 10 Represent objects and numbers to 10 Count forwards/backwards Count one more/one less One to one correspondence Compare objects Introduce <, > and = Compare numbers Order objects/numbers Ordinal numbers The number line **Addition & Subtraction (within 10):** Introducing parts and wholes Part-whole model (with images and objects) Part-whole model Addition symbol Fact families (addition facts) Find number bonds for numbers within 10	**Addition & Subtraction (within 10):** Compare number bonds Addition – adding together Addition – adding more Addition – using bonds Finding a part Subtraction – taking away, how many left? (Crossing out) Subtraction – taking away, how many left? Introducing the subtraction symbol Subtraction – find a part, breaking apart Fact families – the 8 facts Subtraction – counting back Subtraction – finding the difference (2 parts) Comparing addition and subtraction: statements a + b > c Comparing addition and subtraction: statements a + b > c + d	**Addition & Subtraction (within 20):** Add by counting on Add ones using number bonds Find and make number bonds Add by making 10 Subtraction – not crossing 10 Subtraction – not crossing 10 (counting back) Subtraction – crossing 10 Related facts Compare number sentences **Place Value (within 50):** Numbers to 50 Counting forwards and backwards within 50 Tens and ones Represent numbers to 50 One more one less Compare objects within 50 Compare numbers within 50 Order numbers within 50	**Place Value within 50:** Numbers to 50 Counting forwards and backwards within 50 Tens and ones Represent numbers to 50 Count in 2s Count in 5s **Measurement: Money:** Recognising coins Recognising notes Counting in coins	**Number: Multiplication and Division** Count in 2s, 5s, 10s Make equal groups Add equal groups Make arrays Make doubles Make equal groups – grouping Make equal groups – sharing **Number - Fractions:** Making a half Making a whole Find a half of a quantity Find a half Making a quarter Find a quarter Find a quarter of a quantity **Geometry (Position and Direction):** Describe turns Describe position	**Place value (within 100):** Counting to 100 by making 10s Counting to 100 Counting forwards/ backwards within 100 Introducing the 100 square Partitioning numbers Comparing numbers Ordering numbers One more, one less **Measurement: Length and Height** Compare lengths and height Measuring lengths Introducing the ruler Adding length problems Subtracting length problems **Measurement: Weight and Volume** Introduce Mass and Weight Measure & compare mass mass Weight and Mass problems

	Systematic methods for number bonds within 10 Number bonds to 10	**Geometry (Shape):** Recognise and name 2-D shapes Sort 2-D shapes Recognise and name 3D shapes Sort 3-D shapes Patterns with 3-D and 2-D shapes **Place Value (within 20)** Count forwards and backwards and write numbers to 20 in numerals and words Numbers from 11 to 20 Tens and ones Count one more and one less Compare groups of objects Compare numbers Order groups of objects	Count in 2s Count in 5s			Introduce capacity and volume Measure & compare capacity **Time** Before and after Dates Time to the hour activity Time to the hour/half hour Writing time Comparing time
Year 2	Place value Counting forwards and backwards within 50 Recognise tens and ones within 50 Compare and order numbers within 50 Count objects to 100 and read and write numbers in numerals and words Write numbers to 100 in the expanded form Represent numbers to 100 Tens and ones with a part-whole model	Addition & subtraction 10 more and 10 less Add and subtract 10s Add by making 10 Add and subtract a 2-digit and 1-digit number - crossing ten Subtract a 1-digit number from a 2-digit number - crossing ten Add and subtract two 2-digit numbers (including crossing ten) Add two 2-digit numbers - crossing ten - add ones and add tens	Money Recognising and counting coins and notes (pence & pounds) Make the same amount Compare money Find the total, difference and change Two-step problems Multiplication & division Recognise and add equal groups Make arrays Multiplication sentences using the x symbol	Multiplication and Division The 10 times-table Divide by 10 The 5 times-table Divide by 5 The 5 and 10 times-tables Measures – Length, Mass, capacity & temperature Measure, compare and order lengths and heights (centimetres and meters)	Fractions Make equal parts Recognise & find a half Recognise & find a quarter Recognise & find a third Unit & non-unit fractions Equivalence of a half and 2 quarters Find three quarters Count in fractions Problem solving with fractions Time	Statistics Make tally chart, tables and block diagrams Interpret pictograms Draw & interpret pictograms (2, 5 and 10) Geometry - Position & direction Describe position Problem solving with position Describing movement and turns Shape patterns with turns

	Tens and ones using addition Use a place value chart Estimating numbers on number line Compare & order objects/numbers Count in 2s, 5s, 10s, 3s <u>Addition & subtraction</u> Bonds to 10 Fact families to 20 Bonds 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	Subtract a 2-digit number from a 2-digit number - not crossing ten Subtract a 2-digit number from a 2-digit number - crossing ten - subtract ones and subtract tens Mixed addition and subtraction ~~Find and make number bonds~~ ~~Bonds to 100~~ Compare number sentences Missing number problems <u>Properties of shape</u> Recognise 2-D and 3-D shapes Properties of 2D and 3D shapes: sides, edges, vertices, lines of symmetry, faces Draw & sort 2D shapes Lines of symmetry - draw the whole Make patterns with 2d & 3D shapes	2, 5, 10 times tables Make equal groups – sharing & grouping Divide by 2 Odd and even numbers Divide by 5 Divide by 10 Use arrays Doubling and halving Odd and even numbers	Four operations with lengths and heights Problem solving with lengths and heights Compare mass Measure mass in grams & kilograms Measure capacity Compare volume Millilitres Litres Four operations with mass & volume Temperature	Telling the time to the hour & half hour O'clock and half past Quarter past and quarter to Telling time to 5 minutes Minutes in an hour Hours in a day Writing time Find durations of time Compare durations of time	<u>Revision/Consolidation</u> All four operations: addition, subtraction, multiplication and division Problem solving & Investigations

Year 3	Place value Represent numbers to 100 Tens and ones using addition Hundreds Numbers to 1,000 Activity: Numbers to 1,000 on a place value grid 100s, 10s and 1s (1) 100s, 10s and 1s (2) Number line to 100 Number line to 1,000 Find 1, 10, 100 more or less Compare objects Compare numbers Order numbers Count in 50s Addition & subtraction Add and subtract multiples of 100 Add and subtracts 1s Add and subtract 3-digit and 1-digit numbers - not crossing 10 Add and subtract 3-digit, 2-digit and 1-digit numbers – crossing/not crossing 10 and 100 Add two 2-digit numbers - crossing 10 - add ones & add tens Subtract a 2-digit number from a 2-digit number - crossing 10 - subtract ones & subtract tens	Addition & subtraction Mixed addition and subtraction problems Add and subtract 2-digit and 3-digit numbers - not crossing 10 or 100 Add 2-digit and 3-digit numbers - crossing 10 or 100 Subtract a 2-digit number from a 3-digit numbers - crossing 10 or 100 Add two 3-digit numbers - not crossing 10 or 100 Add two 3-digit numbers - crossing 10 or 100 Subtract a 3-digit number from a 3-digit number - no exchange Subtract a 3-digit number from a 3-digit number – exchange Estimate answers to calculations Check answers Multiplication & division Multiplication - equal groups Multiplication using the symbol Using arrays 2 times table 5 times table Make equal groups – sharing, Make equal groups – grouping Divide by 2, 5, 10 Multiply & divide by 3	Multiplication & division Consolidate 2, 4 and 8 times table (new worksheet) Comparing statements Related calculations Multiply 2-digits by 1-digit (1) Multiply 2-digits by 1-digit – exchange Divide 2-digits by 1-digit Activity Divide 100 into 2, 4, 5 and 10 equal parts Activity Divide with remainders Divide 2-digits by 1-digit Scaling How many ways? Money Count money (pence & pounds Pounds and pence Convert pounds and pence Add & subtract money Give change Statistics Make tally charts Draw pictograms (2, 5 and 10) Interpret pictograms (2, 5 and 10) Consolidation: Pictograms Activity: Draw bar charts Bar charts	Length & perimeter Measure length Measure length (m) Equivalent lengths - m & cm Compare lengths Add lengths Subtract lengths Activity What is perimeter? Measure perimeter Calculate perimeter Activity Calculate perimeter activity Fractions Activity - Working with wholes and parts Make equal parts Recognise a half Find a half Recognise a quarter Find a quarter Recognise a third Find a third Unit fractions Non-unit fractions Consolidation: Unit and non-unit fractions Equivalence of a half and 2 quarters Count in fractions	Fractions Making the whole Tenths Count in tenths Tenths as decimals Fractions on a number line Fractions of a set of objects (1) Fractions of a set of objects (2) Fractions of a set of objects (3) Equivalent fractions (1) Equivalent fractions (2) Equivalent fractions (3) Compare fractions Order fractions Add fractions Time O'clock and half past Quarter past and quarter to Months and years Hours in a day Telling the time to 5 minutes Telling the time to the minute Using a.m. and p.m. Activity: 24-hour clock 24-hour clock Finding the duration Comparing durations Start and end times Measuring time in seconds Problem solving with time	Properties of shape Turns and angles Right angles in shapes Compare angles Draw accurately Horizontal and vertical Parallel and perpendicular Recognise and describe 2-D shapes Recognise and describe 3-D shapes Make 3-D shapes Mass & capacity Activity Measure mass Compare mass Measure mass (1) Measure mass (2) Compare mass Add and subtract mass Activity Measure capacity Compare volume Measure capacity (1) Compare capacity Add and subtract capacity Activity Temperature activity Temperature

		The 3 times table Multiply and divide by 4 The 4 times table Multiply & divide by 8 The 8 times table				
Year 4	<u>Place value</u> Numbers to 1,000 100s, 10s and 1s Number line to 1,000 Round to the nearest 10, 100 Count in 1,000s Represent numbers to 10,000, 1,000s, 100s, 10s and 1s Partitioning The number line to 10,000 Find 1, 10, 100, 1,000 more or less Compare 4-digit numbers Order numbers Round to the nearest 1,000 Count in 25s Introducing negative numbers Negative numbers Roman numerals Add and subtract 1s, 10s, 100s and 1,000s Add and subtract two 3-digit and 4 digit number: With/without crossing 10 or 100 With/without exchanging one/more	<u>Length & perimeter</u> Equivalent lengths - m and cm Equivalent lengths - mm and cm Kilometres Add lengths Subtract lengths Measure perimeter Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes <u>Multiplication & division</u> Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 Multiply by 1 and 0 Divide by 1 and itself Multiply and divide by 3 The 3 times table Multiply and divide by 6 6 times tables and division facts Multiply and divide by 9 9 times table and division facts Multiply and divide by 7 7 times tables and division facts	<u>Multiplication & division</u> 11 and 12 times table Multiply 3 numbers Factor pairs Efficient multiplication Written methods Multiply 2-digits by 1-digit & 3-digits by 1-digit Divide 2-digits by 1-digit Divide 3-digits by 1-digit Correspondence problems <u>What is area?</u> Counting squares Making shapes Comparing area <u>What is a fraction?</u> Unit and non-unit fractions Tenths Count in tenths Equivalent fractions Fractions greater than 1 Count in fractions Add fractions Add 2 or more fractions	<u>Fractions</u> Subtract fractions Subtract 2 fractions Subtract from whole amounts Fractions of a set of objects (1) Fractions of a set of objects (2) Calculate fractions of a quantity Problem solving - calculate quantities <u>Decimals</u> Activity Tenths and hundredths Recognise tenths and hundredths Tenths as decimals Tenths on a place value grid Tenths on a number line Divide 1-digit by 10 Divide 2-digits by 10 Hundredths Hundredths as decimals Hundredths on a place value grid Divide 1 or 2-digits by 100	<u>Decimals</u> Bonds to 10 and 100 Make a whole Activity Write decimals Write decimals Compare decimals Order decimals Activity Round decimals Round decimals Halves and quarters <u>Money</u> Pounds and pence Ordering money Estimating money Convert pounds and pence Add money Subtract money Give change Activity Working with money Four operations	<u>Time</u> Telling the time to 5 minutes/to the minute Using a.m. and p.m 24-hour clock Hours, minutes & seconds Years, months, weeks and days Analogue to digital (12 hour & 24 hour) <u>Statistics</u> Interpret charts Comparison, sum and difference Introducing line graphs Line graphs <u>Properties of shape</u> Turns and angles Right angles in shapes Compare angles Identify angles Compare/order angles Recognise and describe 2-D shapes Triangles Quadrilaterals Symmetry Horizontal and Vertical Lines of symmetry Complete a symmetric figure <u>Position and direction</u>

	Efficient subtraction Estimate answers Checking strategies					Describe position using co-ordinates Draw & move on a grid Describe movement on a grid
Year 5	<u>Place Value</u> 1000s, 100s, 10s and 1s Numbers to 10,000 Rounding to the nearest 10 Rounding to the nearest 100 Round to nearest 10, 100 and 1,000 Numbers to 100,000 Compare and order numbers to 100,000 Round numbers within 100,000 Numbers to a million Counting in 10s, 100s, 1,000s, 10,000s, and 100,000s Compare and order numbers to one million Round numbers to one million Negative numbers Roman Numerals to 1,000 <u>Addition & Subtraction</u> Add two 4-digit numbers - one exchange Add two 4-digit numbers - more than one exchange Add whole numbers with more than 4 digits (column method)	<u>Multiplication and Division</u> Multiples Factors Common factors Prime numbers Square numbers Cube numbers Multiply by 10 Multiply by 100 Multiply by 10, 100 and 1,000 Divide by 10 Divide by 100 Divide by 10, 100 and 1,000 Multiples of 10, 100 and 1,000 <u>Perimeter and Area</u> Measure perimeter Perimeter on a grid Perimeter of rectangles Perimeter of rectilinear shapes Calculate perimeter Counting squares Area of rectangles Area of compound shapes Area of irregular shapes	<u>Multiplication and Division</u> Multiply 2-digits by 1-digit Multiply 3-digits by 1-digit Multiply 4-digits by 1-digit Multiply 2-digits (area model) Multiply 2-digits by 2-digits Multiply 3-digits by 2-digits Multiply 4-digits by 2-digits Divide 2-digits by 1-digit (1) Divide 2-digits by 1-digit (2) Divide 3-digits by 1-digit Divide 4-digits by 1-digit Divide with remainders <u>Fractions</u> What is a fraction? Equivalent fractions Equivalent fractions Fractions greater than 1 Improper fractions to mixed numbers Mixed numbers to improper fractions Number sequences Compare and order fractions less than 1 Compare and order fractions greater than 1	<u>Fractions</u> Add 3 or more fractions Add fractions Add mixed numbers Subtract fractions Subtract mixed numbers Subtract – breaking the whole Subtract 2 mixed numbers Multiply unit fractions by an integer Multiply non-unit fractions by an integer Multiply mixed numbers by integers Calculate fractions of a quantity Fraction of an amount Using fractions as operators Fraction problem solving <u>Decimals and Percentages</u> Decimals up to 2 d.p. Decimals as fractions (1) Decimals as fractions (2) Understand thousandths Thousandths as decimals Rounding decimals Order and compare decimals Understand percentages	<u>Decimals</u> Adding decimals within 1 Subtracting decimals within 1 Complements to 1 Adding decimals – crossing the whole Adding decimals with the same number of decimal places Subtracting decimals with the same number of decimal places Adding and subtracting decimals with the same number of decimal places problem solving Adding decimals with a different number of decimal places Subtracting decimals with a different number of decimal places Adding and subtracting decimals with a different number of decimal places problem solving Adding and subtracting wholes and decimals Decimal sequences Multiplying decimals by 10, 100 and 1,000 Dividing decimals by 10, 100 and 1,000	<u>Geometry</u> Identify angles (Cont'd) Regular and irregular polygons Reasoning about 3-D shapes <u>Position & direction</u> Describe position Draw on a grid Position in the first quadrant Translation Translation with coordinates Lines of symmetry Complete a symmetric figure Reflection Reflection with coordinates <u>Converting units</u> Kilometres Kilograms and kilometres Millimetres and millilitres Activity: Metric units Metric Units Activity: Imperial units Imperial units Converting units of time Timetables Two-way tables <u>Volume</u>

	Subtract two 4-digit numbers - one exchange Subtract two 4-digit numbers - more than one exchange Subtract whole numbers with more than 4 digits (column method) Round to estimate and approximate Inverse operations (addition and subtraction) Multi-step addition and subtraction problems <u>Statistics</u> Interpret charts Comparison, sum and difference Introduce line graphs Read and interpret line graphs Draw line graphs Use line graphs to solve problems Read and interpret tables		Add and subtract fractions Add fractions within 1	Percentages as fractions and decimals Equivalent F.D.P.	<u>Geometry</u> Identify angles Compare and order angles Measure angles in degrees Measuring with a protractor (1) Measuring with a protractor (2) Drawing lines and angles accurately Calculating angles on a straight line Calculating angles around a point Triangles Quadrilaterals Calculating lengths and angles in shapes	What is volume? Compare volume Estimate volume Estimate capacity
Year 6	<u>Place Value</u> Numbers to 10 million Compare and order any numbers Round numbers to 10, 100 and 1,000 Round any number Negative numbers <u>Addition, subtraction, multiplication & division</u>	<u>Fractions</u> Multiply fractions by integers Multiply fractions by fractions Divide fractions by integers (1) Divide fractions by integers (2) Four rules with fractions Fraction of an amount	<u>Percentages</u> Understand percentages Fractions to percentages Equivalent FDP Order FDP Percentage of an amount (1) Percentage of an amount (2) Percentages - missing	<u>Ratio</u> Use ratio language Ratio and fractions Introducing the ratio symbol Activity Calculating ratio Calculating ratio Using scale factors Calculating scale factors Ratio and proportion problems	<u>Revision & Reasoning</u> Long multiplication Long division Ordering fractions, decimals, percentages Fraction and percentage of amounts Perimeter of rectilinear shapes Volume	<u>Creating a Theme Park</u> Four operations Profit and loss Estimating Percentages Kandinsky Constructing shapes Symmetry Angles Types of lines Fibonacci Sequence

	Add/subtract whole numbers with more than 4 digits (column method) Inverse operations (addition and subtraction) Multi-step addition and subtraction problems Add and subtract integers Multiply 4-digits by 1-digit Multiply 2-digits (area model) Multiply 2-digits by 2-digits Multiply 3-digits by 2-digits Multiply up to a 4-digit number by a 2-digit number Divide 4-digits by 1-digit Divide with remainders Short division Division using factors Long division (1) Long division (2) Long division (3) Long division (4) Factors Common factors Common multiples Primes to 100 Squares and cubes Order of operations Mental calculations and estimation Reason from known facts Fractions	Fraction of an amount - find the whole <u>Position & direction</u> The first quadrant Four quadrants Translations Reflections <u>Decimals</u> Decimals up to 2 d.p. Understand thousandths Three decimal places Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply decimals by integers Divide decimals by integers Division to solve problems Decimals as fractions Fractions to decimals <u>Converting Units</u> Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures	<u>Algebra</u> Find a rule - one step Find a rule - two step Forming expressions Substitution Formulae Forming equations Solve simple one-step equations Solve two-step equations Find pairs of values (1) Find pairs of values (2) <u>Perimeter, area & volume</u> Shapes - same area Area and perimeter Area of a triangle (1) Area of a triangle (2) Area of a triangle (3) Area of a parallelogram <u>What is volume?</u> Volume - counting cubes Volume of a cuboid	Ratio and proportion problems (2) <u>Statistics</u> Read and interpret line graphs Draw line graphs Use line graphs to solve problems Circles Read and interpret pie charts Pie charts with percentages Draw pie charts The mean <u>Properties of shape</u> Measure with a protractor Draw lines and angles accurately Introduce angles Angles on a straight line Angles around a point Calculate angles Vertically opposite angles Angles in a triangle Angles in a triangle-special cases Angles in a triangle-missing angles Angles in special quadrilaterals Angles in regular polygons Draw shapes accurately Draw nets of 3-D shapes	Area of triangles and quadrilaterals Ratio Fraction word problems Translations Reflections Algebra Reading and interpreting line graphs and pie charts Word problems and multi-step problems <u>SATs week</u> <u>Maths in real life</u> Calculating time differences Distance Conversion graphs Money – costs, budgets Percentages Time problems	Number patterns Enterprise Best value for money (four operations) Estimation Costings and profit Five 2's Investigation Bodmas 4 operations Reasoning Problem solving skills Smarties Investigation Estimation Sorting and Classifying Nets Pie charts Measuring Lines of symmetry Famous Mathematicians Trachtenburg Method (links to History) – multiplying any number by 11 The Future Salaries Tax Mortgages (four operations, percentages) The Future Buying your dream home Area and perimeter Budgeting Bills (percentages, fractions, six-digit numbers)

	Equivalent fractions Simplify fractions Improper fractions to mixed numbers Mixed numbers to improper fractions Fractions on a number line Compare and order (denominator) Compare and order (numerator) Add and subtract fractions (1) Activity Add and subtract fractions activity (denominators are not multiples) Add and subtract fractions (2) Add mixed numbers Add fractions Subtract mixed numbers Subtract fraction Mixed addition and subtraction					