Mathematics Medium Term Overview: Year 6

T1 Week 1 Place Value Terms – positional, multiplicative, additive, base10	**T1 Week 2** Place Value and relative size of number	**T1 Week 3** Fractions Division	**T1 Week 4** Calculation of Percentages and decimals	**T1 Week 5** Equivalences of fractions, decimals and percentages	**T1 Week 6** Mental Calculation	**T1 Week 7** Written methods for addition and subtraction	**T1 Week 8** Written methods for addition and subtraction, including decimals,
T2 Week 1 Mental calculation strategies,	**T2 Week 2** Continue with mental for area and volume using multiplication	**T2 Week 3** Written methods with reasoning for multiplication and division as the inverse.	**T2 Week 4** Written methods with reasoning for division and multiplication as the inverse.	**T2 Week 5** Scaling up and scaling down. Of fraction and number	**T2 Week 6** 3D shape: using moldable material	**T2 Week 7** 2D shape:	**T2 Week 8** 2D shape:
T3 Week 1 Place Value as in term 1	**T3 Week 2** Continuation of week 1 Algebra	**T3 Week 3** Negative numbers	**T3 Week 4** Fractions,: addition and subtraction,	**T3 Week 5** fractions to decimals and percentages, moving on from term 1	**T3 Week 6** Mental calculation strategies as in Term 1,	**T3 Week 7** Continue with mental calculation strategies and reasoning	**T3 Week 8** Written calculation of addition and subtraction
T4 Week 1 Mental Calculation as in term 2	**T4 Week 2** Written methods for multiplication and division	**T4 Week 3** Long division	**T4 Week 4** Scaling up and scaling down as in term 2	**T4 Week 5** Interesting numbers:	**T4 Week 6** Recapping 3D and 2D shape covered in Term 2	**T4 Week 7** Circles: radius, diameter, circumference	**T4 Week 8** Full coordinate grid work Translation
T5 Week 1 SATs Revision	**T5 Week 2** SATs Revision	**T5 Week 3** SATs Revision	**T5 Week 4** SATs	**T5 Week 5** Project work Looking to year 7 curriculum	**T5 Week 6** Project work Looking to year 7 curriculum	**T5 Week 7** Project work Looking to year 7 curriculum	**T5 Week 8** Project work Looking to year 7 curriculum
T6 Week 1 Project work Looking to year 7 curriculum	**T6 Week 2** Project work Looking to year 7 curriculum	**T6 Week 3** Project work Looking to year 7 curriculum	**T6 Week 4** Project work Looking to year 7 curriculum	**T6 Week 5** Project work Looking to year 7 curriculum	**T6 Week 6** Project work Looking to year 7 curriculum	**T6 Week 7** Project work Looking to year 7 curriculum	**T6 Week 8** Project work Looking to year 7 curriculum

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Reasoning and Mastery of Number: Autumn 1; Spring 1 and Summer 1
Reasoning and Mastery of Addition and Subtraction: Autumn 1; Spring 1 and Summer 1
Reasoning and Mastery of Multiplication and Division: Autumn 2; Spring 2 and Summer 2
Reasoning and Mastery of Geometry: Autumn 2; Spring 2 and Summer 2

Fractions, Statistics, Fractions, Measurement are all integrated within these four main blocks
These are highlighted in Red and are essential that they are taught in that week to ensure coverage. These elements will be monitored to ensure they happen in these weeks.

	Overall Weekly outcome
	Statutory Content to be taught during specific weeks week
	Possible Enrichment activities
Target Tracker Statements in red text for Terms 1-5. Term 6 focus use missing targets within each unit	

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As part of starter activities each day count in steps of the multiplication tables that you want the children to rehearse, decimal and fraction steps and steps that help children with mental calculation strategies such as 25, 50 and 75. Link this to linear number sequences in algebra.
It is also helpful to count in positive and negative integers across zero.
Rehearse telling the time on analogue and digital clocks. Rehearse mental calculation strategies.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	Reasoning and Mastery of Number **Place Value**		Reasoning and Mastery of Number **Fractions and Percentages**			Reasoning and Mastery of Addition and Subtraction		
Autumn 1	**Vocabulary:** **Multiplicative Additive fraction vinculum, denominator, numerator, equivalence fraction vinculum, denominator, numerator, equivalence** **Mental Arithmetic Focus Addition** Follow micro steps as a base guide from steps 19 to final					**Vocabulary:** **Augend for the number you have, addend for the numbers to be added, sum for the combined amounts: augend add addend equals sum** **Minuend for the amount you have, subtrahend for the amount subtracted and difference for the amount left:** **minuend subtract subtrahend equals difference** **Mental Arithmetic Focus Subtraction** Follow Micro steps 20 to final		

Mathematics Medium Term Overview: Year 6

Autumn 1	Place Value Terms – positional, multiplicative, additive, base10 Recognising Place Value up to 10,000,000 children need to know the value of all place value columns and variation between columns include 100ths from year 4 and 5 and 1000ths Grids & Digit cards Gettegno charts possible examples less than, equals mass, capacity, volume and money Statistics Brief Recap on Roman Numerals 10 1000	Place Value and relative size of number Solve Practical activities with mass, capacity, volume and money Rounding numbers up and down including decimals to 4 decimal places and with numbers to 10,000,000 Ordering and comparing, Greater than, Link to measurement- Recap on Prime numbers and composite numbers. Year 5	Fractions Division Dividing fractions and decimal place value, whole part relationships linking to bar modelling (animals see planning support document) Problem solving throughout	Calculation of Percentages and decimals Making calculations of percentages such as 15% of 360 or 15 % of 3.60 making explicit links with fraction and decimals Link to pie charts, Bar modelling, Problem solving throughout	Equivalences of fractions, decimals and percentages Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts Include Fractions with different denominators and include those such as 25% 50% and 75% Link to Measurement imperial and metric	Mental Calculation Partitioning, doubling, halving, number pairs up to 10,000,000 Using near multiples of 10 and adjusting to solve addition and subtraction problems, using known number facts, bridging through 10, counting on and counting back Time differences and durations Bar charts Perimeter and its formula Missing number problems linking to algebra	Written methods for addition and subtraction Use of written methods for addition and subtraction of whole numbers, up to 10,000,000 subtraction to check and vice versa finding totals and differences Using bar charts/ line graphs/ pie charts and real data to generate problems	Written methods for addition and subtraction, including decimals, Using written methods to solve problems involving Measures of length, cm and mm, mass kg and g, capacity, l and ml, miles and KM practical activities and problem solving (sand)

Mathematics Medium Term Overview: Year 6

Target Tracker Statements	Number and Place Value	Number and Place Value	Fractions	Fractions	Fractions	Number and Place Value	Addition and Subtraction	Addition and Subtraction
	I can read, write, order and compare numbers to at least 10, 000,000 and say the value of each digit I can round any number to a required degree of accuracy I can solve number and practical problems that involve ordering and comparing numbers to 10,000,000, rounding to a required degree of accuracy… I can show an understanding of place vale including decimals Statistics I can calculate and interpret the mean as an average.	I can read, write, order and compare numbers to at least 10, 000,000 and say the value of each digit I can round any number to a required degree of accuracy I can solve number and practical problems that involve ordering and comparing numbers to 10,000,000, rounding to a required degree of accuracy… I can show an understanding of place vale including decimals Measurement I can solve problems involving the calculation and conversion of units of measure, using decimal notation…. I can use, read, write and convert between standard units, I can convert measurement of length, mass volume and time…	I can divide proper fractions by whole numbers such as 1/3x ½ = 1/6 I can add and subtract fractions with different denominators and mixed numbers I can compare and order fractions including those bigger than 2 I can solve problems which require answers to be rounded to specified degrees of accuracy I can use common factors and multiples to simplify fractions and express fractions in the same denominator. I can solve problems involving unequal sharing and grouping. I can use my knowledge of fractions and multiples to do this.	I can use equivalences between simple fractions, decimals and percentages to help me solve problems I can explain the place value of any digit in a number with up to 3 decimal places and multiply or divide by 10, 100 and 1000 Ratio and Proportion I can solve problems that involve the relative sizes of two things where the missing number can be found by multiplying or dividing by whole numbers. I can solve problems involving the calculation of percentages. I can also use percentages for comparison Addition and Subtraction I can mentally calculate using a mix of the four operations Multiplication and Division I can mentally calculate using a mix of the four operations and large numbers	I can use equivalences between simple fractions, decimals and percentages to help me solve problems I can explain the place value of any digit in a number with up to 3 decimal places and multiply or divide by 10, 100 and 1000 I can link a fraction with division and work out decimal fractions such as knowing that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3… Ratio and Proportion I can solve problems involving the calculation of percentages. I can also use percentages for comparison Measurement I can use, read, write and convert between standard units, I can convert measurement of length, mass volume and time…	I can read, write, order and compare numbers to at least 10, 000,000... I can round any number to a required degree of accuracy I can show an understanding of place vale including decimals Addition and Subtraction I can mentally calculate using a mix of the four operations I can solve addition and subtraction word and practical problems Measurement I can recognise that shapes with the same area can have different perimeters and vice versa Algebra I can record missing number problems algebraically I can create a list of possibilities of the combination of two variables	I can mentally calculate using a mix of the four operations I can solve addition and subtraction word and practical problems I can solve problems with more than one step and operation and explain why I used them, I can use estimation to check the answers to determine an appropriate degree of accuracy. Statistics I can interpret and construct pie charts and line graphs. I can use these to solve problems	I can mentally calculate using a mix of the four operations I can solve addition and subtraction word and practical problems I can solve problems with more than one step and operation and explain why I used them, I can use estimation to check the answers to determine an appropriate degree of accuracy. Measurement I can use, read, write and convert between standard units, I can convert measurement of length, mass volume and time I can convert between miles and kilometres

Mathematics Medium Term Overview: Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	Reasoning and Mastery of Multiplication and Division					Reasoning and Mastery of Geometry		
Autumn 2	**Vocabulary:** **Multiplicand for the number you have, multiplier for the amount of times you have it and product for the total:** **multiplicand multiplied by multiplier equals product** **Dividend for the amount you have, divisor for the number of groups you are taking away and quotient for how many groups you make:** **dividend divided by divisor equals quotient** **Mental Arithmetic Focus** **Multiplication** Follow micro steps as a base guide from steps 15 to final					**Vocabulary:** **Names of shapes; Symmetry reflectional symmetry, translational symmetry prism, angles, acute obtuse reflex straight angle, full rotation (perigon angle)** **Plane, viewpoint, orientation,** **Mental Arithmetic Focus** **Division** Follow micro steps as a base guide from steps 16 to final		

Mathematics Medium Term Overview: Year 6

Autumn 2	Mental calculation strategies, Partitioning doubling and doubling, halving and halving, x by 5 and 10 and halving, ÷ by 5 by ÷ 10 and doubling by 20 by x10 and double ÷ 20 by ÷ by 10 and halving, x by 15, x by 10, halve and add, using known facts, grouping Bar model problems, e.g. Sam had 23 cars, Tom had 5 times as many. How many more did Tom have?	Continue with mental for area and volume using multiplication Using formulae to find areas and solid volumes and exploring the formulae for these – practically on squared paper and using interlocking cubes. Creating, e.g. time/distance line graphs where scale goes up in multiples the children need to practice Missing number problems linking to algebra	Written methods with reasoning for multiplication and division as the inverse. Practical reasoning of multiplication and division and inverse. Make arrays using place value counters for 4 digits multiplication by single digit and link to grid method and then onto written method. Link this to division using the array, for example, 1 365 x 3 = 4 095, so 4 095 ÷ 1365 = 3 and link to 4 095 ÷ 3 =1 365. Link to measures: 1l 245ml juice in a jug, how much in 6 jugs? Bar modelling	Written methods with reasoning for division and multiplication as the inverse. Use manipulatives for 4 digits by single digit. Checking using multiplication. Word problems that have remainders and the children need to decide what to do, e.g. 145 children going on trip, mini buses hold 9 children. How many mini buses needed? Word Problems	Scaling up and scaling down. Of fraction and number Doubling of number and fractions. Currency conversion and metric to imperial conversion through problem solving. Link this to ratio. 4 times as much type question linking to measurement.	3D shape: material Recognising sphere, cube, cuboid, pyramid from nets and through properties of more advanced properties, exploring what doing to get each new shape and properties. Include shapes from different orientations. Exploring which patterns make nets and which don't. Repeat net work for cuboids, prisms. Pyramid and prism Investigations: how many faces, edges and vertices do they have? MA&T Can they make an algebraic generalisation? Use of protractor	2D shape: Radius and Circumference Introduce radius, diameter and circumference circumference and know that the diameter is twice the radius they could explore the relationship between diameter and circumference Revisit naming shapes as per properties. that this is not new learning but a recap on learning. This can link to reasoning style questioning.	2D shape: Block as one week for week 7 and 8 Drawing shapes using given dimensions and angles, focusing on how to use a protractor including 360 protractors and external angles include and where they meet a straight line including ones where others are missing. Exploring missing angles in shapes using formula, e.g. a = 180 – (b + c)

Mathematics Medium Term Overview: Year 6

Target Tracker Statements							
	Multiplication and Division I can mentally calculate using a mix of the four operations and large numbers I can use the order of importance of the four operations when answering questions I can solve problem involving addition subtraction multiplication and division I can use estimating to check the answers and problem solving.	Multiplication and Division I can mentally calculate using a mix of the four operations and large numbers I can use the order of importance of the four operations when answering questions I can solve problem involving addition subtraction multiplication and division I can use estimating to check the answers and problem solving Measurement I can recognise when it is possible to use formulae to find the areas or volumes of shapes I can calculate, estimate and compare volumes of cubes and cuboids using standard units, including cubic centimetres and cubic metres… Algebra I can record missing number problems algebraically	Multiplication and Division I can multiply numbers of up to 4 digits by a two-digit number using a formal written method. I can divide numbers of up to 4 digits by a two-digit number using a formal written method of long division , showing remainders, fractions or rounding as appropriate I can divide numbers of up to 4 digits by a two-digit numbers using a formal written method of short division, showing remainders, fractions or rounding as appropriate I can solve addition and subtraction multi-step problems deciding which operations and methods to use and explain why they were suitable Measurement I can use, read, write and convert between standard units, I can convert measurement of length, mass volume and time I can convert between miles and kilometres	Multiplication and Division I can multiply numbers of up to 4 digits by a two-digit number using a formal written method. I can divide numbers of up to 4 digits by a two-digit number using a formal written method of long division , showing remainders, fractions or rounding as appropriate I can divide numbers of up to 4 digits by a two-digit numbers using a formal written method of short division, showing remainders, fractions or rounding as appropriate I can solve addition and subtraction multi-step problems deciding which operations and methods to use and explain why they were suitable I can solve problem involving addition subtraction multiplication and division I can use estimating to check the answers and problem solving	Multiplication and Division I can solve problem involving addition subtraction multiplication and division I can use estimating to check the answers and problem solving Fractions I can multiply numbers less than 10 with up to 2 decimal places. Measurement I can solve problems involving the calculation and conversion of units of measure, using decimal notation…. I can use, read, write and convert between standard units, I can convert measurement of length, mass volume and time… Ration and Proportion I can solve problems involving shapes where the scale factor is known of can be found	Properties of Shape I can recognise describe and build simple 3-D shapes including making nets. I can compare and classify geometric shapes based on their properties and sizes. I can also find unknown angles in any triangles quadrilaterals or regular polygons Algebra I can create a list of possibilities of the combination of two variables I can use a simple formulae	Properties of Shape I can draw 2-D Shapes using dimensions and angles I am given I can recognise angles where they meet at a point are on a straight line or are vertically opposite. I can then find any missing angles. I can recognise describe and build simple 3-D shapes including making nets. I can compare and classify geometric shapes based on their properties and sizes. I can also find unknown angles in any triangles quadrilaterals or regular polygons I can illustrate and name the parts of circles including radius, diameter and circumference. I know that the diameter is twice the radius. Algebra I can find pairs of numbers which complete an equation with two unknowns

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	Reasoning and Mastery of Number **Place Value**		Reasoning and Mastery of Number **Fractions and Percentages**			Reasoning and Mastery of Addition and Subtraction		
Spring 1	**Vocabulary:** **Multiplicative Additive fraction vinculum, denominator, numerator, equivalence fraction vinculum, denominator, numerator, equivalence** **Mental Arithmetic Focus Addition** Follow micro steps as a base guide from steps Where needed in class					**Vocabulary:** **Augend for the number you have, addend for the numbers to be added, sum for the combined amounts: augend add addend equals sum** **Minuend for the amount you have, subtrahend for the amount subtracted and difference for the amount left: minuend subtract subtrahend equals difference** **Mental Arithmetic Focus Subtraction.** Follow Micro steps where needed in class		

Mathematics Medium Term Overview: Year 6

Spring 1	Place Value as in term 1 Link to Algebra algebra: finding pairs of numbers that satisfy an equation with two unknowns, with numbers greater than 100,000 x + y = a composite number that has 0 as a place holder in the 1000s column but is greater than 1000 Missing number elements	Continuation of week 1 Algebra Compare through reasoning other aspects of algebra, e.g. enumerate possibilities of combinations of two variables and other aspects listed in the planning support document Algebra of area where the shape is built up of more than one quadrilateral Is there a formula?	Negative numbers within the context of temperature, money and depth below sea level Use of quadrants to make posing questions. For example what was the weather like in December based on the chart? Link to money and temperature	Fractions,: addition and subtraction, Adding and subtracting fractions. finding equivalences to do this, counting in fractional steps, improper fractions and mixed numbers – link to addition and counting, e.g. ½, 1, 1 ½, 2, 2 ½, how many halves? Multiplying and dividing fractions	fractions to decimals and percentages, moving on from term 1 Finding equivalences between the three moving onto more complex numbering including numbers > than 1 for example 2/10 = 20% = 0.2 Money and fractions Bar modelling problems	Mental calculation strategies as in Term 1, Can link week 6 and 7 together Picking up on any strategies that weren't covered (see planning support document) Bridging though tenth, one, ten, hundred etc. e.g. 12.7 + 13.8 = 13 + 13.5 linking to time differences and durations, perimeter	Continue with mental calculation strategies and reasoning Can link week 6 and 7 together Using bar modelling to solve problems using only mental calculations Bar modelling Problem solving	Written calculation of addition and subtraction Using column methods for addition and subtraction, linking to money multi-step problems

Mathematics Medium Term Overview: Year 6

Target Tracker Statements								
	Number and Place Value I can read, write, order and compare numbers to at least 10, 000,000 and say the value of each digit I can round any number to a required degree of accuracy I can solve number and practical problems that involve ordering and comparing numbers to 10,000,000, rounding to a required degree of accuracy… I can show an understanding of place vale including decimals Algebra I can create a list of possibilities of the combination of two variables I can use a simple formulae. I can record missing number problems algebraically. I can create and describe linear sequences	Number and Place Value I can read, write, order and compare numbers to at least 10, 000,000 and say the value of each digit I can round any number to a required degree of accuracy I can solve number and practical problems that involve ordering and comparing numbers to 10,000,000, rounding to a required degree of accuracy… I can show an understanding of place vale including decimals Algebra I can create a list of possibilities of the combination of two variables I can use a simple formulae. I can record missing number problems algebraically. I can create and describe linear sequences	Number and Place Value I can read, write, order and compare numbers to at least 10, 000,000 and say the value of each digit I can round any number to a required degree of accuracy I can solve number and practical problems that involve ordering and comparing numbers to 10,000,000, rounding to a required degree of accuracy… I can show an understanding of place vale including decimals. I can use negative numbers in context when looking at temperature or money: counting in jumps forwards and backwards through 0.	Fractions I can divide proper fractions by whole numbers such as 1/3x ½ = 1/6 I can add and subtract fractions with different denominators and mixed numbers I can compare and order fractions including those bigger than 2 I can solve problems which require answers to be rounded to specified degrees of accuracy I can use common factors and multiples to simplify fractions and express fractions in the same denominator. I can use equivalences between simple fractions, decimals and percentages to help me solve problems I can link a fraction with division and work out decimal fractions such as knowing that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3… I can use common factors and multiples to simplify and express fractions in the same denominator.	Fractions I can use equivalences between simple fractions, decimals and percentages to help me solve problems I can explain the place value of any digit in a number with up to 3 decimal places and multiply or divide by 10, 100 and 1000 Ratio and Proportion I can solve problems that involve the relative sizes of two things where the missing number can be found by multiplying or dividing by whole numbers. I can solve problems involving the calculation of percentages. I can also use percentages for comparison Multiplication and Division I can mentally calculate using a mix of the four operations and large numbers	Number and Place Value I can read, write, order and compare numbers to at least 10, 000,000... I can round any number to a required degree of accuracy I can show an understanding of place vale including decimals Addition and Subtraction I can mentally calculate using a mix of the four operations I can solve addition and subtraction word and practical problems Measurement I can recognise that shapes with the same area can have different perimeters and vice versa	Number and Place Value I can read, write, order and compare numbers to at least 10, 000,000... I can round any number to a required degree of accuracy I can show an understanding of place vale including decimals Addition and Subtraction I can mentally calculate using a mix of the four operations I can solve addition and subtraction word and practical problems Measurement I can recognise that shapes with the same area can have different perimeters and vice versa	Addition and Subtraction I can mentally calculate using a mix of the four operations I can solve addition and subtraction word and practical problems I can solve problems with more than one step and operation and explain why I used them, I can use estimation to check the answers to determine an appropriate degree of accuracy.

Mathematics Medium Term Overview: Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	Reasoning and Mastery of Multiplication and Division					Reasoning and Mastery of Geometry		
Spring 2	**Vocabulary:** **Multiplicand for the number you have, multiplier for the amount of times you have it and product for the total:** **multiplicand multiplied by multiplier equals product** **Dividend for the amount you have, divisor for the number of groups you are taking away and quotient for how many groups you make:** **dividend divided by divisor equals quotient** **Mental Arithmetic Focus** **Multiplication** Follow micro steps as a base guide from steps Where needed in class					**Vocabulary:** **Names of shapes; Symmetry reflectional symmetry, translational symmetry prism, angles, acute obtuse reflex straight angle, full rotation (perigon angle) Plane, viewpoint, orientation,** **Mental Arithmetic Focus** **Division** Follow micro steps as a base guide from steps Where needed in class		

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Spring 2	Mental Calculation as in term 2 include finding pairs of numbers that satisfy an equation two unknowns, e.g. a x 12 = b, a x b = 48 Link to prime and composite numbers (non-prime)	Written methods for multiplication and division Long multiplication through grid method Statistics: line graphs, bar graphs and mean of a set of data Focus on the Mean of a set	Long division Solving problems to the nearest decimal using long division Problem solving	Scaling up and scaling down as in term 2 Scaling of whole numbers and decimals using multiplication and division	Interesting numbers: Primes, squares linking to area, cubes linking to volume Factor and multiple investigations Prime Volume Cubed numbers	Recapping 3D and 2D shape covered in Term 2 Drawing triangles and quadrilaterals by use of a protractor to given angles and dimensions Finding missing angles linking to algebra Area and Algebra	Full coordinate grid work Translation Draw and translate simple shapes on the coordinate plane, and reflect them in the axes including across a 4 quadrant with looking into negative coordinates.	Circles: radius, diameter, circumference Revisit and name parts of circles, including radius, diameter and for example: Link this to reasoning problems and solving problems d = 2 x r MA&T Link to pie charts and knowing that pie chart is 10 degrees. To calculate the percentage each slice is worth, measure the angle of each slice and divide this by 360 then multiply it by 100. To find the number of pieces of data each slice represents, multiply the percentage that each slice is worth by the total number of the data sets

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Target Tracker Statements	Multiplication and Division I can mentally calculate using a mix of the four operations and large numbers I can use the order of importance of the four operations when answering questions I can solve problem involving addition subtraction multiplication and division I can use estimating to check the answers and problem solving I can solve addition and subtraction multi-step problems deciding which operations and methods to use and explain why they were suitable I can identify common factors, multiples and prime numbers	Multiplication and Division I can multiply numbers of up to 4 digits by a two-digit number using a formal written method. I can divide numbers of up to 4 digits by a two-digit number using a formal written method of long division , showing remainders, fractions or rounding as appropriate I can divide numbers of up to 4 digits by a two-digit numbers using a formal written method of short division, showing remainders, fractions or rounding as appropriate I can solve addition and subtraction multi-step problems deciding which operations and methods to use and explain why they were suitable I can use estimating to check the answers and problem solving Statistics I can interpret and construct pie charts and line graphs. I can use these to solve problems	Multiplication and Division I can multiply numbers of up to 4 digits by a two-digit number using a formal written method. I can divide numbers of up to 4 digits by a two-digit number using a formal written method of long division , showing remainders, fractions or rounding as appropriate I can divide numbers of up to 4 digits by a two-digit numbers using a formal written method of short division, showing remainders, fractions or rounding as appropriate I can solve addition and subtraction multi-step problems deciding which operations and methods to use and explain why they were suitable I can use estimating to check the answers and problem solving	Multiplication and Division I can solve problem involving addition subtraction multiplication and division I can use estimating to check the answers and problem solving Fractions I can multiply numbers less than 10 with up to 2 decimal places. Ration and Proportion I can solve problems involving shapes where the scale factor is known of can be found	Multiplication and Division I can identify common factors, multiples and prime numbers Measurement I can calculate, estimate and compare volumes of cubes and cuboids using standard units, including cubic centimetres and cubic metres… I can recognise that shapes with the same area can have different perimeters and vice versa I can recognise when it is possible to use formulae to find the areas or volumes of shapes I can calculate, estimate and compare volumes of cubes and cuboids using standard units, including cubic centimetres and cubic metres…	Properties of Shape I can recognise describe and build simple 3-D shapes including making nets. I can compare and classify geometric shapes based on their properties and sizes. I can also find unknown angles in any triangles quadrilaterals or regular polygons I can calculate the areas of parallelograms and triangles Algebra I can create a list of possibilities of the combination of two variables I can use a simple formulae I can find pairs of numbers which complete an equation with two unknowns.	Position and Direction I can describe positions in all four quadrants on a full coordinate graph I can draw and translate simple shapes on the coordinate plane and reflect these in the axis I can illustrate and name the parts of circles including radius, diameter and circumference. I know that the diameter is twice the radius.	Properties of Shape I can illustrate and name the parts of circles including radius, diameter and circumference. I know that the diameter is twice the radius.

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	Combination of: Reasoning and Mastery of Number Reasoning and Mastery of Addition and Subtraction Reasoning and Mastery of Multiplication and Division Reasoning and Mastery of Geometry							
Summer 1	SATs Revision Place value with addition and subtraction of positive and negative numbers, Fractions Additive	SATs Revision Algebra comparison: enumerate possibilities of combinations of two variables, e.g. ice cream, football kits Multiplicative	SATs Revision Geometric Reasoning: Properties of shapes including symmetry Translation Coordinates	SATS WEEK	Exciting project that involves all learnt over the year, e.g. planning a holiday, designing a bedroom, theme park	Exciting project that involves all learnt over the year, e.g. planning a holiday, designing a bedroom, theme park	Exciting project that involves all learnt over the year, e.g. planning a holiday, designing a bedroom, theme park	Exciting project that involves all learnt over the year, e.g. planning a holiday, designing a bedroom, theme park
Summer 2	Continuation of project work Looking to year 7 curriculum	Continuation of project work Looking to year 7 curriculum	Continuation of project work Looking to year 7 curriculum	Transition projects Looking to year 7 curriculum	Transition projects Looking to year 7 curriculum	Transition projects Looking to year 7 curriculum	Transition projects Looking to year 7 curriculum	Transition projects Looking to year 7 curriculum