

Diamond Year A	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn first half	Place Value Value of each digit in a 4 digit number. Ordering and comparing numbers. Rounding to the nearest 10, 100 and 1000. Find 1000 more or less than a given number.	Addition/Subtraction Column addition and subtraction up to 4 digits using estimation to check answers.	Addition/Subtraction Inverse operations, finding missing numbers in a number sentence and column method. 1 and 2 step problems.	Multiplication Multiplying 2 and 3 digit numbers by a single digit using both the column and grid method.	Division Division through repeated subtraction and chunking method.	Multiplication/Division Working with factors and multiples of numbers. Using the inverse to find missing numbers. Commutativity rule. 1 and 2 step word problems.	Multiplying/dividing by 10,100 and 1000. Multiply and divide up to 4 digit numbers by 10, 100 and 1000. Work on investigative activities based around \times/\div .
Autumn second half	Shape, Angles, triangles Be able to identify acute, obtuse and right angles with particular focus on triangles. Comparing and classifying 2D shapes.	Time Telling the time using analogue and digital. Converting times between the two and working on time problems using a time line.	Measure-length Measuring and estimating length using mm, cm, m, km. Converting between all of these units.	Measure-Weight/Capacity Measuring and estimating the weight of objects using g and kg. measuring and estimating the capacity of objects using ml and l. Converting between the different units.	Data Handling Working over two weeks on collecting and gathering information and creating bar charts, line graphs, pictograms and tables to represent the data. Answer questions based around the data.	Data Handling Working over two weeks on collecting and gathering information and creating bar charts, line graphs, pictograms and tables to represent the data. Answer questions based around the data.	Assessment and Review
Spring first half	Place Value Sequencing numbers, using greater than and less than symbols. Working with Roman Numerals. Finding missing numbers in a number pattern including negative numbers.	Fractions Finding fractions of amounts and shapes including $\frac{1}{2}$, $\frac{1}{4}$. Shading fractions within shapes and halving and quartering numbers.	Fractions Finding fractions of a number. Fraction and decimal equivalents. Fraction equivalents by simplifying or expanding.	Co-ordinates Plotting and drawing first quadrant co-ordinates. Plot and draw shapes from given co-ordinates. Make translations in terms of left, right, up and down.	Area and perimeter Finding the area and perimeter of squares and rectangles.	Money Addition and subtraction of money using decimals. Ordering different amounts of money and finding different combinations for different amounts. Money 1 and 2 step word problems.	
Spring second half	Written multiplication Reviewing the column and grid method and working on 1 and 2 step word problems based on multiplication.	Using \times/\div pairs Using known timestables facts to calculate larger questions. Eg 30x700 Looking at different factors of numbers.	Place Value Know what each digit represents in a 4 digit number and be able to order and compare numbers beyond 1000. Rounding numbers to the nearest 10, 100 and 1000.	2D shapes Naming and classifying 2D shapes. Identifying their properties and using Venn and Carroll diagrams. Identifying lines of symmetry	2D shapes Reflection of shapes using mirrors across a mirror line. Working on symmetrical pictures and patterns.	Assessment and Review	
Summer first half	Addition/Subtraction Addition and subtraction of up to 4 digit numbers using column method. Mental strategies for both addition and subtraction. Using the inverse to find missing numbers.	Division Using the bus stop method, repeated subtraction and chunking.	Measure Measuring, estimating, converting and ordering length, weight and capacity.	3D shapes Identifying the names and properties of 3D shapes in terms of edges, vertices and faces.	3Dshapes Visualising 3D shapes from 2D nets and naming and creating the shapes.	Money Problems A range of money problems based around all four operations including ordering, comparing, calculating and contrasting.	
Summer second half	Time Using the 24 hour clock. Converting times between 24 hour and analogue. Using time lines to solve problems. Reading timetables.	Data Handling Collecting data and using it to form a range of graphs, charts and pictograms. Answering questions based on the data.	Decimals Rounding decimals with 1dp to the nearest whole number. Ordering decimal numbers up to 2dps in ascending and descending order.	Fractions/decimals Decimal and fraction equivalents. Adding and subtracting fractions. Working with tenths and hundredths. Finding fractions of numbers.	Maths Investigation week Maths challenge week where the children solve a range of investigations.	Assessment. and Review	

