

Friday Bridge Primary School – Mathematics Overview 2018/19

Year 5 / 6 - Autumn Term

Week 1	2	3	4	5	6	7	8	9	10	11	12	
Place Value			Four Operations						Prime numbers	Statistics		
<p>Number: Place Value Read, write, order and compare numbers to at least 1000000 and determine the value of each digit. Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.</p> <p>Count forwards or backwards in steps of powers of 10 for any given number up to 1000000.</p> <p>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero. Use negative numbers in context, and calculate intervals across zero.</p> <p>Round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000. Round any whole number to a required degree of accuracy.</p> <p>Solve number problems and practical problems that involve all of the above. Solve number and practical problems that involve all of the above.</p> <p>Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</p> <p>Read, write, order and compare numbers with up to three decimal places. Identify the value of each digit in numbers given to three decimal places and multiply numbers by 10, 100 and 1000 giving answers up to 3dp.</p> <p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.</p> <p>Round decimals with two decimal places to the nearest whole number and to one decimal place.</p> <p>Solve problems involving number up to 3dp. Solve problems which require answers to be rounded to specified degrees of accuracy.</p> <p>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000</p>			<p>Number: Addition, Subtraction, Multiplication & Division Add and subtract numbers mentally with increasingly large numbers. Perform mental calculations, including with mixed operations and large numbers.</p> <p>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p> <p>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy.</p> <p>Solve addition and subtraction multi-step problems in contexts deciding which operations and methods to use and why. Solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why.</p> <p>Multiply and divide numbers mentally drawing upon known facts. Multiply and divide whole numbers by 10, 100 and 1000. Perform mental calculations, including with mixed operations and large numbers.</p> <p>Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers. Multiply multi-digit number up to 4 digits by a 2 digit number using the formal written method of long multiplication.</p> <p>Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context. Divide numbers up to 4 digits by a 2 digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions or by rounding as appropriate for the context.</p> <p>Divide numbers up to 4 digits by a 2 digit number using the formal written method of short division, interpreting remainders according to context.</p> <p>Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. Identify common factors, common multiples and prime numbers.</p> <p>Recognise and use square numbers and cube numbers and the notation for squared (2) and cubed (3) Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.</p> <p>Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign. Solve problems involving addition, subtraction, multiplication and division. Use their knowledge of the order of operations to carry out calculations involving the four operations.</p>						<p>Number- Prime Numbers Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. Establish whether a number up to 100 is prime and recall prime numbers up to 19</p>	<p>Statistics Solve comparison, sum and difference problems using information presented in a line graph. Interpret and construct pie charts and line graphs and use these to solve problems</p> <p>Complete, read and interpret information in tables including timetables. Calculate the mean as an average.</p>		

Bold text refers to upper year group.

Friday Bridge Primary School – Mathematics Overview 2018/19

Year 5 / 6 - Spring Term

Week 1	2	3	4	5	6	7	8	9	10	11
Fractions				Decimals		Percentages		Algebra	Geometry – Angles and shape/ Position & Direction	
<p>Number: Fractions Compare and order fractions whose denominators are multiples of the same number. Compare and order fractions, including fractions > 1</p> <p>Generate and describe linear number sequences (with fractions)</p> <p>Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths.</p> <p>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</p> <p>Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example $+ = 1$]</p> <p>Add and subtract fractions with the same denominator and denominators that are multiples of the same number. Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.</p> <p>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. Multiply simple pairs of proper fractions, writing the answer in its simplest form</p> <p>Divide proper fractions by whole numbers [for example $\div 2 =$]</p> <p>Read and write decimal numbers as fractions [for example $0.71 =$] Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example]</p> <p>Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</p> <p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</p>				<p>Number: Decimals Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.</p> <p>Multiply one digit numbers with up to 2dp by whole numbers.</p> <p>Use written division methods in cases where the answer has up to two decimal places.</p>		<p>Number: Percentages Recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per hundred’, and write percentages as a fraction with denominator 100, and as a decimal.</p> <p>Solve problems which require knowing percentage and decimal equivalents of , , , , and those fractions with a denominator of a multiple of 10 or 25.</p> <p>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</p> <p>Solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for</p> <p>Ratio and proportion I can solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</p> <p>I can solve problems involving the calculation of percentages, for example of measures and the use of percentages for comparison.</p> <p>I can solve problems involving similar shapes where the scale factor is known or can be found.</p> <p>I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p>		<p>Number: Algebra Use simple formulae. Generate and describe linear number sequences. Express missing number problems algebraically Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of a combination of two variables. Year 5- Recap FDP</p>	<p>Geometry - Angles & Properties of Shape Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.</p> <p>Draw given angles, and measure them in degrees Draw 2D shapes using given dimensions and angles.</p> <p>Identify: angles at a point and one whole turn (total 360o), angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180o) other multiples of 90o Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</p> <p>Identify 3D shapes, including cubes and other cuboids, from 2D representations.</p> <p>Use the properties of rectangles to deduce related facts and find missing lengths and angles.</p> <p>Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.</p> <p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found. Geometry-position and direction Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. Describe positions on the full coordinate grid (all four quadrants).</p> <p>Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.</p>	

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Friday Bridge Primary School – Mathematics Overview 2018/19

Year 5 / 6 - Summer Term

Week 1	2	3	4	5	6	7	8	9	10	11	12
Converting Units	Area & Perimeter	Volume	SATS (Yr6) Measures (Yr5)			Young Enterprise Project (Money / Measures / Statistics)				Local Geog / Hist Topic (Statistics, Measures, Geometry)	
<p>Converting units: Convert between different units of metric measure (, km and m; cm and m; cm and mm; g and kg; l and ml) Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to 3dp.</p> <p>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. Convert between miles and kilometres.</p> <p>Solve problems involving converting between units of time Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.</p>	<p>Area and Perimeter Measure and calculate the perimeter of composite rectilinear shapes in cm and m. Calculate the area of parallelograms and triangles. Calculate and compare the area of rectangles (including squares), and including using standard units, cm²,m² estimate the area of irregular shapes. Recognise that shapes with the same areas can have different perimeters and vice versa.</p>	<p>Volume Estimate volume [for example using 1cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water] Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm³, m³ and extending to other units (mm³, km³) Use all four operations to solve problems involving measure Recognise when it is possible to use formulae for area and volume of shapes.</p>	<p>Measures Revisit and consolidate Y5 measure objectives Y6 SATS</p>			<p>Revisit & consolidate</p>				<p>Revisit & consolidate</p>	

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Friday Bridge Primary School – Mathematics Overview 2018/19

Years 3 & 4 - Autumn Term

Week 1	2	3	4	5	6	7	8	9	10	11	12
Place Value				Addition & Subtraction						Division & Multiplication	
<p>Place Value Read and write numbers up to 1000 in numerals and in words. Identify, represent and estimate numbers using different representations.</p> <p>Find 10 or 100 more or less than a given number. Find 1000 more or less than a given number.</p> <p>Recognise the place value of each digit in a 3 digit number. Recognise the place value of each digit in a 4 digit number.</p> <p>Order and compare numbers to 1000. Order and compare numbers beyond 1000.</p> <p>Count from 0 in multiples of 50 and 100 Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Solve number problems and practical problems involving these ideas. Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p> <p>Count backwards through zero to include negative numbers.</p> <p>Round any number to the nearest 10, 100 or 1000</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.</p>				<p>Number: Addition and Subtraction Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.</p> <p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</p> <p>Estimate the answer to a calculation and use inverse operations to check answers. Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.</p> <p>Add and subtract amounts of money to give change using both £ and p in practical contexts. Estimate, compare and calculate different measures, including money in pounds and pence</p> <p>Measure, compare, add and subtract: lengths (mm, cm, m); mass (kg/g); volume/capacity (l/ml). Solve simple measure and money problems involving fractions and decimals to two decimal places.</p>						<p>Multiplication and Division Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Recall and use multiplication and division facts for multiplication tables up to 12 x 12.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know. Recognise and use factor pairs and commutativity in mental calculations.</p> <p>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</p>	

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Friday Bridge Primary School – Mathematics Overview 2018/19

Years 3 & 4 - Spring Term

Week 1	2	3	4	5	6	7	8	9	10	11
Division & Multiplication					Fractions & Decimals					
<p>Number: Multiplication and Division Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</p> <p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. Multiply two digit and three digit numbers by a one digit number using formal written layout. Find the area of rectilinear shapes by counting squares (link to multiplication)</p>					<p>Fractions and Decimals Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>Compare and order unit fractions, and fractions with the same denominators.</p> <p>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</p> <p>Count up and down in tenths. Count up and down in hundredths.</p> <p>Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>Find the effect of multiplying and dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths.</p> <p>Recognise and show, using diagrams, equivalent fractions with small denominators. Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Add and subtract fractions with the same denominator within one whole. Add and subtract fractions with the same denominator.</p> <p>Solve problems that involve all of the above.</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places</p>					

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Friday Bridge Primary School – Mathematics Overview 2018/19

Years 3 & 4 - Summer Term

Week 1	2	3	4	5	6	7	8	9	10	11	12
Length, Perimeter & Area		Time			Shape			Volume & Capacity (Yr3) Co-ordinates (Yr4)		Statistics	
<p>Measures - Length Measure, compare, add and subtract: lengths (m/cm/mm). Measure the perimeter of simple 2D shapes. Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>Continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed and simple equivalents of mixed units. Convert between different units of measure eg kilometre to metre.</p>		<p>Time Tell and write the time from an analogue clock, including using Roman numerals and 12-hour and 24-hour clocks. Read, write & convert time between analogue and digital 12 and 14 hour clocks.</p> <p>Estimate and read time with increasing accuracy to the nearest minute.</p> <p>Record and compare time in terms of seconds, minutes and hours.</p> <p>Convert between different units of measure eg hour to minute.</p> <p>Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>Know the number of seconds in a minute and the number of days in each month, year and leap year. Compare durations of events (for example to calculate the time taken by particular events or tasks).</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>			<p>Geometry Recognise angles as a property of shape or a description of a turn.</p> <p>Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle. Identify acute and obtuse angles and compare and order angles up to two right angles by size.</p> <p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. Identify lines of symmetry in 2D shapes presented in different orientations.</p> <p>Complete a simple symmetric figure with respect to a specific line of symmetry.</p> <p>Draw 2-D shapes</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>Make 3-D shapes using modelling materials. Recognise 3-D shapes in different orientations and describe them</p>			<p>Measures: volume and capacity (Y3) Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml).</p> <p>Co-ordinates (Y4) Describe positions on a 2D grid as coordinates in the first quadrant.</p> <p>Describe movements between positions as translations of a given unit to the left/ right and up/ down.</p> <p>Plot specified points and draw sides to complete a given polygon.</p>		<p>Statistics Interpret and present data using bar charts, pictograms and tables. Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts and pictograms and tables. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>	

Bold text refers to upper year group.

Friday Bridge Primary School – Mathematics Overview 2018/19

Years R, 1 & 2 - Autumn Term

Week 1	2	3	4	5	6	7	8	9	10	11	12	13	14
Place Value			Addition & Subtraction				Division & Multiplication			Money		Statistics (Yr2)	
<p>Place Value Count to ten, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Count in multiples of twos. Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward.</p> <p>Count, read and write numbers to 10 in numerals and words. Read and write numbers to at least 100 in numerals and words.</p> <p>Recognise the place value of each digit in a two digit number (tens, ones) Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</p> <p>Identify, represent and estimate numbers to 100 using different representations including the number line. Given a number, identify one more or one less.</p> <p>Compare and order numbers from 0 up to 100; use <, > and = signs.</p> <p>Use place value and number facts to solve problems.</p>			<p>Number: Addition & Subtraction Represent and use number bonds and related subtraction facts (within 10) Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</p> <p>Add and subtract one digit numbers (to 10), including zero. Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two digit number and ones; a two digit number and tens; two two digit numbers; adding three one digit numbers.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p> <p>Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p>				<p>Number: Multiplication and Division Count in multiples of twos, fives and tens. Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p> <p>Count in multiples of twos, fives and tens Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.</p> <p>I can show that multiplication can be done in any order (commutative) and division of one number by another cannot.</p>			<p>Measurement: Money Recognise and know the value of different denominations of coins and notes. Recognise and use symbols of pounds (£) and pence (p); combine amounts to make a particular value.</p> <p>Find different combinations of coins that equal the same amounts of money.</p> <p>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.</p>		<p>Place Value (Yr1) Count to 40 forwards and backwards, begin with 0 or 1 or any number.</p> <p>Count, read and write numbers from 1-40 in numerals and words.</p> <p>Identify and represent numbers using objects and pictorial representations Given a number, identify 1 more or 1 less.</p> <p>Graphs (Yr2) Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask+ answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p>	

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Friday Bridge Primary School – Mathematics Overview 2018/19

Years R, 1 & 2 - Spring Term

Week 1	2	3	4	5	6	7	8	9	10	11
Place Value & Algebra	Addition & Subtraction		Geometry – Properties & Position & Direction		Measures- Capacity, Weight & Temperature		Division & Multiplication		Fractions & Decimals	
<p>Place Value Count to twenty, forwards and backwards, beginning with 0 or 1, from any given number.</p> <p>Count, read and write numbers from 1 to 20 in numerals and words.</p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</p> <p>Count in multiples of twos and fives</p> <p>Year 2, revisit Aut</p>	<p>Number: Addition & Subtraction Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.</p> <p>Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.</p> <p>Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p>		<p>Geometry: Shape Recognise and name common 2D and 3D shapes, including rectangles, squares, circles and triangles, cuboids, pyramids and spheres. Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.</p> <p>Compare and sort common 2D shapes and everyday objects. Order and arrange combinations of mathematical objects in patterns and sequences.</p> <p>Describe position, direction and movement, including whole, half, quarter and three quarter turns. Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)</p>		<p>Measurement: weight and volume Compare, describe and solve practical problems for mass/weight [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] Measure and begin to record mass/weight, capacity and volume. Measurement: Capacity, volume, mass and temperature Choose and use appropriate standard units to estimate and measure capacity (litres/ml, mass (kg/g) and temperature (oC) to the nearest appropriate unit, using thermometers, scales and measuring vessels. Compare and order volume/capacity/mass and record the results using >, < and =.</p>		<p>Number: Multiplication and Division Count in multiples of twos, fives and tens.</p> <p>Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p> <p>Count in multiples of twos, fives and tens Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.</p>		<p>Number: Fractions Recognise, find and name a half as one of two equal parts of an object, shape or quantity.</p> <p>Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</p> <p>Recognise, find, name and write fractions 1/3, 1/4, 2/4 & 3/4 of a length, shape, set of objects or quantity.</p> <p>Write simple fractions for example, 1/2 of 6 = 3</p> <p>Recognise the equivalence of 2/4 and 1/2.</p>	

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Friday Bridge Primary School – Mathematics Overview 2018/19

Years R, 1 & 2 - Summer Term

Week 1	2	3	4	5	6	7	8	9	10	11	12	13	14
Addition/Subtraction/ Division/Multiplication (Focusing on needs of children)				Place Value		Measures		Measures - Time		Fractions & Decimals		Shopping Topic	
<p>Number: Four operations Represent and use number bonds and related subtraction facts within 20. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</p> <p>Add and subtract one digit and two digit numbers to 20, including zero. Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two digit number and ones; a two digit number and tens; two two digit numbers; adding three one digit numbers.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-), multiplication (x) and division (÷) and equals (=) signs. Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p> <p>Solve one step problems that involve the four operations, using concrete objects and pictorial representations, and missing number problems. Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.</p> <p>Count in multiples of twos, fives and tens Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.</p>				<p>Number: Place Value Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward.</p> <p>Count, read and write numbers from 1-100 in numerals and words. Recognise the place value of each digit in a two digit number (tens, ones)</p> <p>Read and write numbers to at least 100 in numerals and words.</p> <p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least. Identify, represent and estimate numbers to at least 100 using different representations including the number line.</p> <p>Given a number, identify one more and one less.</p> <p>Compare and order numbers from 0 up to at least 100; use <, > and = signs.</p> <p>Use place value and number facts to solve problems.</p>		<p>Length and height Compare, describe and solve practical problems for: lengths and heights for example, long/short, longer/shorter, tall/short, double/half Compare and order length and record the results using >, < and =.</p> <p>Measure and begin to record lengths and heights. Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm), using rulers and</p>		<p>Time Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.</p> <p>Recognise and use language relating to dates, including days of the week, weeks, months and years. Know the number of minutes in an hour and the number of hours in a day.</p> <p>Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later] and measure and begin to record time (hours, minutes, seconds) Compare and sequence intervals of time.</p> <p>Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.</p>		Consolidate learning		Consolidation and application	

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