

Dolphins	Year 3/4	
Autumn Term	Spring Term	Summer Term
<p>Number, place value and rounding.</p> <ul style="list-style-type: none"> ➤ Count in multiples of 6, 7, 9, 25 and 1000 (Y4). ➤ Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number (Y3) ➤ Order and compare numbers beyond 1000 (Y4). ➤ Compare and order numbers up to 1000 (Y3) ➤ Count backwards through zero to include negative numbers (Y4). ➤ Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and units) (Y4). ➤ Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) (Y3) ➤ Round any number to the nearest 10, 100 or 1000 (Y4) ➤ Read Roman numerals to 100 (I to C) and understand how, over time, the numeral system changed to include the concept of zero and place value (Y4) ➤ Read and write numbers to at least 1000 in numerals and in words (Y3) <p style="text-align: center;">On-going.</p> <ul style="list-style-type: none"> ➤ Identify, represent and estimate numbers using different representations (Y4 Y3) ➤ Solve number and practical problems that involve all of the above and with increasingly large positive numbers (Y4) ➤ Solve number problems and practical problems involving these ideas (Y3) 	<p>Number, place value and rounding</p> <ul style="list-style-type: none"> ➤ Find 1000 more or less than a give number (Y4) ➤ Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number (Y3) ➤ Count in multiples of 6, 7, 9, 25 and 1000 (Y4) ➤ Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and units) (Y4). ➤ Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) (Y3) ➤ Round any number to the nearest 10, 100 or 1000 (Y4) ➤ Read and write numbers to at least 1000 in numerals and in words (Y3) <p style="text-align: center;">On-going.</p> <ul style="list-style-type: none"> ➤ Identify, represent and estimate numbers using different representations (Y4 Y3) ➤ Solve number and practical problems that involve all of the above and with increasingly large positive numbers (Y4) ➤ Solve number problems and practical problems involving these ideas (Y3) 	<p>Number, place value and rounding</p> <ul style="list-style-type: none"> ➤ Count in multiples of 6, 7, 9, 25 and 1000 (Y4). ➤ Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number (Y3) ➤ Order and compare numbers beyond 1000 (Y4). ➤ Compare and order numbers up to 1000 (Y3) <p style="text-align: center;">On-going.</p> <ul style="list-style-type: none"> ➤ Identify, represent and estimate numbers using different representations (Y4 Y3) ➤ Solve number and practical problems that involve all of the above and with increasingly large positive numbers (Y4) ➤ Solve number problems and practical problems involving these ideas (Y3)
<p style="text-align: center;">Fractions and Decimals</p> <ul style="list-style-type: none"> ➤ Add and subtract fractions with the same denominator (Y4) ➤ Recognise and write decimal equivalents of any number of tenths or hundredths (Y4) ➤ Identify, name and write equivalent fractions of a given fraction, including tenths and hundredths (Y4) 	<p style="text-align: center;">Fractions and Decimals</p> <ul style="list-style-type: none"> ➤ Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ (Y4) ➤ Identify, name and write equivalent fractions of a given fraction, including tenths and hundredths (Y4) ➤ Compare numbers with the same number of decimal places up to two decimal places (Y4) 	<p style="text-align: center;">Fractions and Decimals</p> <ul style="list-style-type: none"> ➤ 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 (Y4) ➤ Round decimals with one decimal place to the nearest whole number (Y4) ➤ Compare numbers with the same number of

<ul style="list-style-type: none"> ➤ Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ (Y4) ➤ Find the effect of dividing a one-or-two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths (Y4) ➤ Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators (Y3) ➤ Compare and order unit fractions, and fractions with the same denominators (Y3) <p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Solve simple measure and money problems involving fractions and decimals to two decimal places (Y4) ➤ Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tens by tenths (Y4) ➤ Solve problems that involve use of all of the above (Y3) 	<ul style="list-style-type: none"> ➤ Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 (Y3) ➤ Recognise and show, using diagrams, equivalent fractions with small denominators (Y3) ➤ Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators (Y3) ➤ Compare and order unit fractions, and fractions with the same denominators (Y3) <p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Solve simple measure and money problems involving fractions and decimals to two decimal places (Y4) ➤ Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tens by tenths (Y4) ➤ Solve problems that involve use of all of the above (Y3) 	<p style="text-align: center;">decimal places up to two decimal places (Y4)</p> <ul style="list-style-type: none"> ➤ Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 (Y3) ➤ Recognise and show, using diagrams, equivalent fractions with small denominators (Y3) ➤ Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators (Y3) ➤ Compare and order unit fractions, and fractions with the same denominators (Y3) <p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Solve simple measure and money problems involving fractions and decimals to two decimal places (Y4) ➤ Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tens by tenths (Y4) ➤ Solve problems that involve use of all of the above (Y3)
<p style="text-align: center;">Addition and Subtraction</p> <ul style="list-style-type: none"> ➤ Add and subtract numbers with up to 4 digits using the efficient written methods of columnar addition and subtraction where appropriate (Y4) ➤ Add and subtract numbers using concrete objects, pictorial, representations, and mentally, including: <ul style="list-style-type: none"> • Three digit number and ones • Three digit numbers and tens • Three digit numbers and hundreds (Y3) ➤ Add and subtract numbers with up to three-digits, using formal written methods of columnar addition and subtraction (Y3) ➤ Add and subtract numbers with up to three-digits, using formal written methods of columnar addition and subtraction (Y3) 	<p style="text-align: center;">Addition and Subtraction</p> <ul style="list-style-type: none"> ➤ Estimate and use inverse operations to check answers to a calculation (Y4) ➤ Add and subtract numbers with up to 4 digits using the efficient written methods of columnar addition and subtraction where appropriate (Y4) ➤ Add and subtract numbers using concrete objects, pictorial, representations, and mentally, including: <ul style="list-style-type: none"> • Three digit number and ones • Three digit numbers and tens • Three digit numbers and hundreds (Y3) ➤ Add and subtract numbers with up to three-digits, using formal written methods of columnar addition and subtraction (Y3) ➤ Add and subtract numbers with up to three-digits, using formal written methods of columnar addition and subtraction (Y3) 	<p style="text-align: center;">Addition and Subtraction</p> <ul style="list-style-type: none"> ➤ Add and subtract numbers with up to 4 digits using the efficient written methods of columnar addition and subtraction where appropriate (Y4) ➤ Add and subtract numbers using concrete objects, pictorial, representations, and mentally, including: <ul style="list-style-type: none"> • Three digit number and ones • Three digit numbers and tens • Three digit numbers and hundreds (Y3) ➤ Add and subtract numbers with up to three-digits, using formal written methods of columnar addition and subtraction (Y3) ➤ Add and subtract numbers with up to three-digits, using formal written methods of columnar addition and subtraction (Y3)

<p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (Y4) ➤ Solve problems, including missing numbers, using number facts, place value, and more complex addition and subtractions (Y3) 	<p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (Y4) ➤ Solve problems, including missing numbers, using number facts, place value, and more complex addition and subtractions (Y3) 	<p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why (Y4) ➤ Solve problems, including missing numbers, using number facts, place value, and more complex addition and subtractions (Y3)
<p style="text-align: center;">Multiplication and Division</p> <ul style="list-style-type: none"> ➤ Multiply two-digit and three-digit numbers by a one-digit number using formal written layout (Y4) ➤ Write and calculate mathematical statements for \times and \div using the multiplication tables that they know, including for two-digit numbers times one-digit number. Using mental and progressing to formal written methods (Y3) 	<p style="text-align: center;">Multiplication and Division</p> <ul style="list-style-type: none"> ➤ Multiply two-digit and three-digit numbers by a one-digit number using formal written layout (Y4) ➤ 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 (Y4) ➤ Recognise and use factor pairs and commutatively in mental calculations (Y4) ➤ Write and calculate mathematical statements for \times and \div using the multiplication tables that they know, including for two-digit numbers times one-digit number. Using mental and progressing to formal written methods (Y3) 	<p style="text-align: center;">Multiplication and Division</p> <ul style="list-style-type: none"> ➤ 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 (Y4) ➤ Recognise and use factor pairs and commutatively in mental calculations (Y4) ➤ Solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which n objects are connected to m objects (Y4) ➤ Write and calculate mathematical statements for \times and \div using the multiplication tables that they know, including for two-digit numbers times one-digit number. Using mental and progressing to formal written methods (Y3)
<p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Recall multiplication and division facts for multiplication tables up to 12×12 (Y4) ➤ Recall use multiplication and division facts for the 3, 4 and 8 multiplication tables (Y3) ➤ Solve problems, including missing number problems, involving multiplication and division, include positive integer scaling problems and correspondence problems in which n objects are connected to m objects (Y3) 	<p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Recall multiplication and division facts for multiplication tables up to 12×12 (Y4) ➤ Recall use multiplication and division facts for the 3, 4 and 8 multiplication tables (Y3) ➤ Solve problems, including missing number problems, involving multiplication and division, include positive integer scaling problems and correspondence problems in which n objects are connected to m objects (Y3) 	<p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Recall multiplication and division facts for multiplication tables up to 12×12 (Y4) ➤ Recall use multiplication and division facts for the 3, 4 and 8 multiplication tables (Y3) ➤ Solve problems, including missing number problems, involving multiplication and division, include positive integer scaling problems and correspondence problems in which n objects are connected to m objects (Y3)
<p style="text-align: center;">Measures</p> <ul style="list-style-type: none"> ➤ Convert between different units of measure (e.g. kilometre to metre; hour to minute) (Y4) ➤ Measure, compare, add and subtract: lengths 	<p style="text-align: center;">Measures</p> <ul style="list-style-type: none"> ➤ Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres (Y4) 	<p style="text-align: center;">Measures</p> <ul style="list-style-type: none"> ➤ Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres (Y4)

<p>(m/cm/mm); mass (kg/g); volume/capacity (L/ml) (Y3)</p> <ul style="list-style-type: none"> ➤ Estimate, compare and calculate different measures, including money in pounds and pence (Y4) ➤ Add and subtract amounts of money to give change, using both £ and p in practical contexts (Y3) ➤ Read, write and convert time between analogue and digital 12 and 24-hour clocks (Y4) ➤ Tell and write the time from an analogue clock, including using Roman numerals from 1 to X11, and 12-hour and 24-hour clocks (Y3) ➤ Estimate and read time with increasing accuracy to the nearest minute; record and compare times in terms of seconds, minutes and hours; use vocabulary such as o'clock, am./p.m, morning, afternoon, noon and midnight (Y3) ➤ Know the number of seconds in a minute and the number of days in each month, year and leap year (Y3) ➤ Compare durations of events, (for example to calculate the time taken by particular events or tasks) (Y3) 	<ul style="list-style-type: none"> ➤ Find the area of rectilinear shapes by counting (Y4) ➤ Measure the perimeter of simple 2D shapes (Y3) 	<ul style="list-style-type: none"> ➤ Find the area of rectilinear shapes by counting (Y4) ➤ Measure the perimeter of simple 2D shapes (Y3) ➤ Estimate, compare and calculate different measures, including money in pounds and pence (Y4) ➤ Add and subtract amounts of money to give change, using both £ and p in practical contexts (Y3) ➤ Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (Y4) ➤ Tell and write the time from an analogue clock, including using Roman numerals from 1 to X11, and 12-hour and 24-hour clocks (Y3) ➤ Estimate and read time with increasing accuracy to the nearest minute; record and compare times in terms of seconds, minutes and hours; use vocabulary such as o'clock, am./p.m, morning, afternoon, noon and midnight (Y3) ➤ Know the number of seconds in a minute and the number of days in each month, year and leap year (Y3) ➤ Compare durations of events, (for example to calculate the time taken by particular events or tasks) (Y3)
<p>Geometry: properties of shapes</p> <ul style="list-style-type: none"> ➤ Identify lines of symmetry in 2-D shapes presented in different orientations (Y4) ➤ Complete a simple symmetric figure with respect to a line of symmetry (Y4) ➤ Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them (Y3) ➤ Identify horizontal and vertical lines and pairs of perpendicular and parallel lines (Y3) ➤ Recognise angles as a property of shape or a discipline of a turn (Y3) ➤ Identify right angles, recognise that two right angles make a half turn, three makes three- 	<p>Geometry: properties of shapes</p>	<p>Geometry: properties of shapes</p> <ul style="list-style-type: none"> ➤ Identify acute and obtuse angles and compare and order angles up to two right angles by size (Y4) ➤ Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes (Y4) ➤ Identify right angles, recognise that two right angles make a half turn, three makes three-quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle (Y3) ➤ Recognise angles as a property of shape or a discipline of a turn (Y3)

<p>quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle (Y3)</p>		
<p>Geometry: position, direction, motion.</p>	<p>Geometry: position, direction, motion.</p> <ul style="list-style-type: none"> ➤ Describe movements between positions as translations of a given unit to the left/right and up/down (Y4) 	<p>Geometry: position, direction, motion.</p> <ul style="list-style-type: none"> ➤ Describe positions on a 2-D grid as coordinates in the first quadrant (Y4) ➤ Plot specified points and draw sides to complete a given polygon (Y4)
<p style="text-align: center;">Statistics</p> <ul style="list-style-type: none"> ➤ Interpret and present discrete data using bar charts and continuous data using line graphs (Y4) ➤ Interpret and present data using bar charts, pictograms and tables (Y3) <p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and simple line graphs (Y4) ➤ 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 (Y3) 	<p style="text-align: center;">Statistics</p> <p style="text-align: center;">On-going</p>	<p style="text-align: center;">Statistics</p> <ul style="list-style-type: none"> ➤ Interpret and present discrete data using bar charts and continuous data using line graphs (Y4) ➤ Interpret and present data using bar charts, pictograms and tables (Y3) <p style="text-align: center;">On-going</p> <ul style="list-style-type: none"> ➤ Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and simple line graphs (Y4) ➤ 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 (Y3)