Sunnybrow Primary School

Maths

End of Year Expectations

	Counting	Comparison	Composition of Number	Shape and Space	Patterns and Relationships	Measure
By the end of Reception	I can count verbally beyond 20. I can accurately count items to 10 with one-to-one support. I can subsidise up to 5. I can link numerals to amounts up to 10.	I can use the term 'fewer than' & 'less than' to compare numbers to 10 I understand and can find one more and one less	I can automatically recall number bonds to 5 and some bonds to 10, including doubles I can solve real life problems with numbers up to 10. I can show an understanding of the composition of numbers to 10.	I can describe the properties of some 2D shapes (square, rectangle, triangle) & 3D shapes (cube, cuboid, sphere, cylinder). I understand and use positional language (forward, backward, left, right).	I can copy, continue create simple patterns I can notice odd and even pattern to 10. I can explore the pattern of double facts to 10.	I can compare objects by length, weight and capacity I can describe a sequence of events.

	Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Measure	Geometry (Properties)	Geometry (Position and Direction)
Year 1	I can count to and across 100 from any number I can count, read and write numbers to 100. I can count in steps of 2, 5 and 10. Identify one more and one less. Read and write number names to 20.	I can represent and use number bonds and related subtraction facts within 20 I can add and subtract 2-digit numbers to 20, including 0 I can solve one step problems using concrete objects and pictorial representations I can solve simple missing number problems, using concrete objects and pictorial representations	I can count in multiples of 2, 5 and 10 I can solve one step problems linked to multiplication and division, calculating the answer using concrete objects and pictorial representations and arrays with the support of the teacher	I can recognise, find and name a half as one of two equal parts of an object, shape or quantity I can recognise, find and name a quarter as one of four equal parts of an object, shape or quantity	I can compare, describe and solve practical problems for: -lengths & heights -mass & weight -capacity & volume I know the different values of coins and notes. I can sequence events in chronological order. I can use language for dates, including days of the week, weeks, months & years I can tell the time to the hour & half past the hour and draw the hands on a clock face to show these times	I can name 2D (rectangles, squares, circles, triangles) and 3D shapes (cuboids, cubes, pyramids and sphere).	I can describe position, direction and movement, including half, quarter and three-quarter turns

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Year 2	I can count in steps of 2, 3, 5 and 0 from any number. I can recognise the place value of any number in a 2-digit number. I can compare and order numbers to 100 using < > = I can round two-digit numbers to the nearest 10 I can identify, represent and estimate numbers using different representations, including the number line I can use place value and umber facts to solve problems	I can recall and use addition & subtraction facts to 20 fluently, and derive and use related facts up to 100 I can add and subtract numbers using concrete objects, pictorial representations and mentally, including: TU + U, TU+ 10s, U+U+U I can show addition can be done in any order and subtraction can not I can use the inverse operation (+ -) to check my answers. Solve problems with addition and subtraction, using concrete objects & pictorial representations	I can recall and use multiplication and division facts for the 2, 5 and 10s., including recognising odd and even numbers. I can calculate mathematical statements for those tables and write them using the multiplication, division & equals signs I can show that multiplication can be done in any order but division cannot I can solve multiplication and division problems using materials, arrays, repeated addition, mental methods and known facts	I can recognise, find, name and write fractions 1/3, ¼, 2/4 and ¾ of a length, shape or quantity. I can write simple fractions and find simple equivalent fractions (e.g. 1/2 and 2/4)	I can compare and order length, mass, volume/capacity and record the results using < > = I can compare and sequence intervals of time I can choose and use appropriate standard units to estimate and measure length/height, mass, temperature, capacity, using rulers, scales, thermometers and measuring vessels I can recognise and use symbol for pounds and pence & combine amounts to make a particular value I can solve simple problems in practical contexts, involving addition and subtraction of money of the same unit, including giving change I can tell and write the time to nearest 5 minutes, including quarter past and to the hour, and draw hands on clock face I know the number of minutes in an hour and number of hours in a day	I can identify the sides and vertical symmetry of 2D shapes I can identify the number of vertices, faces and edges of a 3D shape. I can identify 2D shapes on the surface of 3D shapes. I can compare common 2D & 3D shapes.	I can order combinations of mathematical objects in patterns & sequence. I can use the mathematical terms for position, direction & movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for ¼, ½ and ¾ turns, clockwise and anti-clockwise	I can interpret simple pictograms, tally charts, tables and block diagrams I can use lists/tables/diagrams to sort objects I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity I can ask and answer questions by totalling and comparing categorical data

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Year 3	I can count in multiples of 4, 6, 50 and 100. I can find 10 or 100 more or less than a given number. I can recognise the value of each number in a 3-digit number. I can compare and order number to 1000 I can read and write numbers to 1000 in numerals and words.	I can add and subtract numbers mentally, including: HTU+U, HTU+TU, HTU+HTU I can use the formal written method for + and -. I can estimate an answer and use the inverse to check answers. I can solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction	I can recall and use multiplication and division facts for the 3, 4- and 8-times tables. I can write and calculate statements for multiplication and division, using known multiplications for a 2-digit number by a 1-digit number mentally and progressing to formal written methods I can solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems	I can count up and down in tenths. I can show tenth means dividing and objects into 10 equal parts. I can recognise, find and write fractions of a discrete set of objects, unit fractions and non-unit fractions with small denominators I can recognise and use fractions as numbers unit fractions and non-unit fractions with small denominators I can add and subtract fractions with the same denominator within one whole I can compare and order unit fractions with the same denominator. I can recognise and show, using diagrams, equivalent fractions, with small denominators	I can measure, compare, add and subtract length, mass, volume/capacity I can measure the perimeter of 2D shapes. I can add and subtract amounts of money to give change. I can estimate and read time with accuracy to the nearest minute and compare time in terms of seconds, minutes, hours and o'clock, use vocabulary am/pm, morning, afternoon, noon, midnight I know the number of seconds in a minute, number of days in each month, year and leap year. I can compare duration of events. I can tell and write the time from an analogue clock, including using Roman numerals and 12 and 24 hour clocks	I can draw 2D shapes & make 3D shapes using modelling materials. I can recognise 3D shapes in different orientations. I know that angles are a property of a shape or description of a turn I can identify right angles, recognise that 2 right angles make a half-turn, three make ¾ turn, 4 a complete turn and identify if angles are greater or less than a right angle I can identify horizontal and vertical lines and pairs of parallel and perpendicular lines.	I can identify right angles, recognise that 2 right angles make a half-turn, three make ¾ turn, 4 a complete turn and identify if angles are greater or less than a right angle	I can interpret and present data using bar charts, pictograms and tables I can solve one and two step questions ('How many more..' and 'How many fewer...' questions) using information presented in scaled bar charts and pictograms and tables

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Year 4	I can count in multiples of 6,7,9,25 and 1000

I can find 1000 more and less than a given number

I can count backwards through 0 to include negative numbers

I can recognise the value of each digit in a 4-digit number

I can order & compare numbers beyond 1000

I can round any number to the nearest 10, 100, 1000

I can read Roman Numerals to 100. | I can add & subtract numbers with up to 4-digits using a formal written method

I can estimate & use inverse operations to check the answer

I can solve 2-step problems. | I can recall multiplication & divisions facts up to 12 x 12.

I can use place value, known and derived facts to multiply & divide mentally

I can multiply by 0 and 1.

I can divide by 1.

I can multiply 3 numbers together.

I can identify factor pairs.

I can multiply a 2 & 3-digit number by a 1-digit number using a written method. | I can recognise families of common equivalent fractions.

I can count up and down in hundredths.

I can add & subtract fractions with the same denominator.

I can recognise & show, using diagrams, families of common equivalent families

I can recognise & write decimal equivalents of any number in tenths or hundredths

I can write decimal equivalents to ¼, ½, ¾

I can show what happens when I divide a one/two digit number by 10 and 1000, identifying the value of each digit

I can round decimals with 1 dp to the nearest whole.

I can compare numbers with the same amount of decimal places (2dp) | I can convert between different units of measure.

I can measure & calculate the perimeter of a rectilinear shape in cm and m,

I can find the area of rectilinear shapes by counting squares.

I can read, write and covert time between analogue and digital 12 & 24 hour clocks

I can estimate, compare and calculate different measures, including money in pounds and pence | I can compare & classify geometric shapes based on their properties.

I can identify acute & obtuse angles & compare & order angles up to two right angles by size

I can find lines of symmetry in 2D shapes

I can complete a simple shape based on symmetry | I can describe a shapes position in 1 quadrant.

I can describe movements as translations.

I can plot points and draw sides to complete a polygon. | I can present data using bar charts.

I can solve problems from a range of different charts (bar charts, pictograms and tables). |

	Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Measure	Geometry (Properties)	Geometry (Position and Direction)	Statistics
Year 5	I can read, compare, write & order numbers to 1 million. I know the value of each digit to 1 million. I can forward and backwards in powers of 10 from any number to 1 million. I can interpret negative numbers & count forwards and backwards through 0. I can round any number to 1 million (10, 100, 1000, 10000, 100000) I can read Roman Numerals to 1000 & recognise years written in Roman numerals I can round decimals with 2dp to the nearest whole and 1dp	I can add & subtract numbers with more than 4 digits using formal written method I can add & subtract mentally with increasingly large numbers I can use rounding to check the answers to my calculations. I can solve addition and subtraction multi-step problems.	I can identify multiples & factors I can find prime numbers to 100. I can recall prime numbers to 19. I can multiply numbers to 4-digits by a 1 or 2 digit number I can divide numbers up to 4 digits by a 1-digit number using short division & interpret remainders appropriately I can multiply & divide numbers by 10, 100 and 1000. I can use square & cube numbers	I can compare and order fractions whose denominators are all multiples of the same number I can give equivalent fractions of any fraction. I can convert between mixed numbers and improper fractions. I can add & subtract fractions with different denominators. I can multiply fractions and whole numbers. I can write decimal numbers as fractions. I can round decimals to 2 dp. I can order compare and order decimals to 3 dp. I recognise the % simple as part of 100. I can solve problems involving equivalents	I can convert between different units of metric measure. I can use approximate equivalents between metric and imperial units. I can measure & calculate the perimeter of a rectilinear shape in cm and m. I can calculate & compare the area of rectangles. I can estimate the area of irregular shapes. I can estimate volume & capacity I can convert between units of time.	I can identify 3D shapes from 2d representations. I know angles are measure in degrees I can estimate & compare acute, obtuse and reflex angles I can draw & measure any angle. I can measure any angle in degrees. I can identify angles in a turn and on a straight line I can identify multiples of 90 degree. I can find missing angles/lengths of rectangles.	I can describe and represent the position of a shape after reflection. I can describe and represent the position of a shape following translation.	I can solve problems based on a line graph. I can complete information in tables. I can read information in tables.

	Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Measure	Geometry (Properties)	Geometry (Position and Direction)	Statistics	Ration and Proportion	Algebra
Year 6	I can read, compare, write and order numbers to 10 million I can round any whole number to any degree I can calculate intervals across 0 I can use negative numbers in context I can identify the value of each digit to three decimals & multiply & divide by 10, 100, 1000 where answers are up to 3dp I can use decimal notation for tenths, hundredths & thousands, partition & order numbers with up to 3dp & position them on a number line	I can perform mental calculations, including with mixed operations & large numbers I can use BIDMAS to solve calculations. I can solve addition and subtraction multi-step problems giving reasons for my answers. I can solve problems involving all 4 operations.	I can multiply a 4-digit number by a 2-digit number using long multiplication. I can divide 4-digit numbers by 2-digit numbers using a formal method. I can identify common factors, multiples and prime numbers. I can use BIDMAS to solve calculations. I can use estimation & the rules of divisibility to check answers to my questions. I can recognise that prime numbers have only 2 factors and identify prime numbers less than 100; find the prime factors of 2 digit whole numbers	I can simplify fractions. I can compare & order fractions including >1 I can add & subtract all fractions (inc. mixed numbers). I can multiply proper fractions. I can divide proper fractions by whole numbers. I can recognise a fraction as it's decimal equivalent. I can multiply any number (3 dp) by 10, 100 and 1000. I can multiply 1-digit with up to 2 dp by a 2-digit number. I can recognise equivalent fractions, decimals and percentages.	I can solve problems including converting units. I can convert between any unit of measure and find its equivalent. I can convert between miles and km. I can calculate the area of parallelograms & triangles I can calculate, compare & estimate volume. I can recognise that shapes with the same areas can have different perimeters and vice versa	I can draw 2D shapes with dimensions and angles. I can build & describe 3D shapes from nets. I can classify shapes base on properties. I can find unknown angles in triangles, quadrilaterals and regular polygons I can name parts of a circle. I can find missing angles.	I can describe position on all 4 quadrants. I can translate & reflect shapes across all axis and quadrants.	I can interpret pie charts. I can construct pie charts. I can calculate the mean as an average.	I can solve missing value problems. I can solve percentage of amounts problems. I can solve problems using the scale factor. I can solve problems including unequal sharing.	I can use simple formulae. I can describe linear number sequences. I can express missing number problems algebraically. I can find pairs of numbers that balance equations.