Age Related Expectations for Maths

The National Curriculum outlines these expectations as being the minimum requirements your child should meet each year.

Year 1

Number

• I can count reliably to 100.
• I can count on and back in 1s, 2s, 5s and 10s from any given number up to 100.
• I can say the number that is one more or one less than a number to 100.
• I can recall all pairs of addition and subtraction number bonds to 20.
• I can add and subtract 1 - digit and 2-digit numbers to 20, including zero.
• I know the signs + - =.
• I can solve a missing number problem.
• I can solve a one - step problem using addition and subtraction, using concrete objects and pictorial representations.

Measurement and Geometry

• I recognise all coins.
• I recognise and can name the 2D shapes: circle, triangle, square and rectangle.
• I recognise and can name the 3D shapes: cuboid, pyramid, sphere.
• I can name the days of the week and months of the year.
• I can tell the time to o'clock and half past the hour.

Year 2

Number

• I can read and write all numbers to at least 100 in numerals and words.
• I recognise odd and even numbers to 100.
• I can count in steps of 2, 3 and 5 from 0.
• I recognise and can define the place value of each digit in a 2 digit number.
• I can compare and order numbers from 0 to 100 using the < > and = signs.
• I can name the fractions 1/3, 1/4, 1/2 and 3/4 and can find fractional values of shapes, lengths and numbers.
• I can recall and use multiplication and division facts for the 2, 5 and 10x tables.
• I can add and subtract a 2 - digit number and ones.
• I can add and subtract a 2 - digit number and tens.
• I can add and subtract two 2 - digit numbers.
• I can add three 1 - digit numbers.
• I can solve problems involving addition and subtraction.
• I understand and can use commutivity in relation to addition, subtraction, multiplication and division.

Age Related Expectations for Maths

Measurement, Geometry and Statistics

• I can choose and use appropriate standard units to estimate length, height, temperature and capacity.
• I can tell and write the time to 15 minute intervals.
• I recognise and can use the symbols £ and p when solving problems involving addition and subtraction of money.
• I can describe the properties of 2D and 3D shapes to include edges, vertices and faces.
• I can interpret and construct pictograms, tally charts, block diagram and simple tables.

Year 3

Number

• I can compare and order numbers to 1000 and read and write numbers to 1000 in numerals and words.
•I can count from 0 in multiples of 4, 8, 50 and 100.
•I can recognise the value of each digit in a 3-digit number.
•I understand and can count in tenths, and find the fractional value of a given set.
•I can add and subtract fractions with a common denominator.
•I can derive and recall multiplication facts for 3, 4 and 8xtables.
•I can add and subtract mentally combinations of 1-digit and2-digit numbers.
•I can add and subtract numbers with up to 3-digits using formal written methods.
•I can write and calculate mathematical statements for multiplication and division using the 2x, 3x, 4x, 5x, 8x and 10x tables.
•I can calculate 2-digit x 1-digit.
•I can solve number problems using one and two step problems.

Measurement, Geometry and Statistics

• I can identify right angles and can compare other angles stating whether they are greater or smaller than a right angle.
•I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
•I can tell the time to the nearest minute and use specific vocabulary, including seconds, am & pm.
•I can measure, compare, add and subtract using common metric measures.
•I can solve one and two step problems using information presented in scaled bar charts, pictograms and tables.

Year 4

Number

• I can recall all multiplication facts to 12 x 12.
•I can round any number to the nearest 10, 100 or 1000 and decimals with one decimal place to the nearest whole number.
•I can count backwards through zero to include negative numbers.
•I can compare numbers with the same number of decimal places up to 2-decimal places.

•I can recognise and write decimal equivalents of any number of tenths
or hundredths.
•I can add and subtract with up to 4-decimal places using formal written methods of column addition and subtraction.
•I can divide a 1 or 2-digit number by 10 or 100 identifying the value of the digits in the answer as units, tenths and hundredths.
•I can multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout.
•I can solve two step addition and subtraction problems in context.
• I can read Roman numerals to 100.
• I can add and subtract fractions with the same denominator.
•I can solve problems involving multiplication.

Measurement, Geometry and Statistics

•I can compare and classify geometrical shapes, including quadrilaterals and triangles, based on their properties and sizes.
•I know that angles are measured in degrees and can identify acute and obtuse angles.
•I can compare and order angles up to two right angles by size.
•I can measure and calculate the perimeter of a rectilinear figure in cm and m.
•I can read, write and convert between analogue and digital 12 and 24 hour times.
•I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.

Year 5

Number

• I can count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000.
•I recognise and use thousandths and relate then to tenths, hundredths and decimals equivalents.
•I recognise mixed numbers and improper fractions and can convert from one to the other.
•I can read and write decimal numbers as fractions.
•I recognise the % symbol and understand percent relates to a number of parts per hundred.
•I can write percentages as a fraction with denominator hundred and as a decimal fraction.
•I can compare and add fractions whose denominators are all multiples of the same number.
•I can multiply and divide numbers mentally drawing on known facts up to 12 x 12.
•I can round decimals with 2dp to the nearest whole number and to 1dp.
•I recognise and use square numbers and cube numbers; and can use the notation 2 and 3.
•I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
•I can multiply numbers up to 4-digit by a 1 or 2-digit number using

formal written methods, including long multiplication for a 2-digit number.
•I can divide numbers up to 4-digits by a 1-digit number.
•I can solve problems involving multiplication and division where large numbers are used by decomposing them into factors.
•I can solve addition and subtraction multi-step problems in context, deciding which operations and methods to use and why.
•I can solve problems involving numbers up to 3dp.

Measurement, Geometry and Statistics

•I know that angles are measured in degrees.
•I can estimate and compare acute, obtuse and reflex angles.
•I can draw given angles and measure them in degrees.
•I can convert between different units of metric measures and estimate volume and capacity.
•I can measure and calculate the perimeter of composite rectilinear shapes in cm and m.
•I can calculate and compare the areas of squares and rectangles including using standards units (cm2 and m2).
•I can solve comparison, sum and difference problems using information presented in a line graph.

Year 6

Number

• I can use negative numbers in context, and calculate intervals across zero.
•I can round any whole number to a required degree of accuracy and solve problems which require answers to be rounded.
•I can solve problems involving the relative sizes of two quantities where the missing values can be found by using integer multiplication and division facts.
•I can use common factors to simplify fractions.
•I can solve problems involving the calculation of percentages.
•I can multiply 1-digit numbers with up to two decimal places by whole numbers.
•I can perform mental calculations, including with mixed operations.
•I can divide numbers up to 4-digits by a 2-digit whole number using formal written methods of long division and interpret remainder in various ways.
•I use my knowledge of order of operations to carry out calculations involving all four operations.
•I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.
•I can multiply simple pairs of proper fractions, writing the answer in its simplest form.
•I can divide proper fractions by whole numbers.
•I can associate a fraction with division and calculate decimal fraction equivalents.
•I can express missing number problems algebraically.
•I can find pairs of numbers that satisfy number sentences involving two unknowns.

Age Related Expectations for Maths

Measurement, Geometry and Statistics

•I can recognise, describe and build simple 3D shapes, including their nets.
•I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangle, quadrilateral and regular polygons.
•I can illustrate and name parts of circles, including radius, diameter and circumference and know that the radius is half the diameter.
•I can 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 visa versa, using decimal notation to up to 3 decimal places.
•I can calculate the area of a parallelogram and triangles and calculate, estimate and compare volume of cubes and cuboids using standard units.
•I can interpret and construct pie charts and line graphs and use these to solve problems