

Maths Level Targets

This booklet outlines the maths targets for each sub-level in maths from Level 1 to Level 5.

Expected National Curriculum levels for the end of each year group are:

Year 1	1b/1a
Year 2	2b
Year 3	2a/3c
Year 4	3b
Year 5	3a/4c
Year 6	4b

1c
I can count to 10.
I know and write all my numbers up to 10
I know when I have written a number backwards and can correct it when it is pointed to me
I can arrange numbers in order 1-10
I can add 1 to any number up to 10 and know what the answer is
I can take away 1 to any number up to 10 and know what the answer is
I can put two sets of numbers together and count to 10
I can continue a repeating pattern with up to 2 objects in it
I know 0 is less than 1
I know the meaning of plus, more than, less than.
I can name a circle, triangle and square.

1b
I can order numbers 0-20
I can add 1 to any number up to 10 and record my operation
I can take 1 away from any number up to 10 and record my operation
I can estimate how many objects there are in a group up to 10
I can add 2 or 3 sets of numbers together up to 10
I can recognise the coins : 1p, 2p, 5p, 10p, 20p, 50p and £1
I can recognise repeating patterns that have 3 items in them
I know the meaning of: too many, estimate, before, next to, after and between
I can recognise and name rectangle

1a
I can write all numbers to 20 and begin to recognise a pattern as I do so.
I can order numbers to at least 30
I can partition numbers up to 20 into tens and units
I can work out a missing number from a simple sequence up to 30
I can tell which of any two numbers is the larger or smaller (up to 30)
I know and use symbols + (plus) and equals (=)
I know the symbol – (minus)
I can work out how many I need to take away from a number to leave me with a given number up to 30
I can add two coins together and know how much I have got up to 30p
I know the meaning of minus and equal to.

2c
I can read numbers up to 100
I try to write all my numbers to 100 but sometimes I get mixed up with tens and units.
I recognise odd and even numbers up to 50
I can put numbers in order up to 100
I can partition numbers into tens and ones using arrow cards or blocks to help me
I know by heart all the number bonds that make 10
I can use + - = signs when I write down what I have done
I can add two numbers together using a number line (by counting on) up to 100
I can subtract by counting back on a number line from 100
I can spot and carry on a number pattern in ones and twos
I know which is the largest or smallest number in any given group
I can recognise a half and find quarter of any shape
I can put/use information that I have collected into a block graph
I can work out where a line of symmetry is in a simple shape
I can tell the time using whole hours using a clock with hands
I can record my sorting into simple lists and tables with help

2b
I can read and write all numbers up to 100
I can count on and back in 2's, 5's and 10's
I can order number or amounts of money from the highest to the lowest or lowest to the highest up to 100
I know what is meant by odd and even numbers and can recognise them up to 100
I can partition a number in to tens and units and add them together. I recognise 0 as a place holder.
I can add two digit numbers, sometimes without apparatus. I know that addition can be don
I can take a number between 0-9 from e I anna two digit number, without using apparatus order.
I can double numbers to 5 and halve numbers to 10
I can spot and carry on a number pattern (going up or down in 2's, 5's or 10's) from any two digit number
I can halve numbers up to 20 plus(multiples of 10)
I can read the time to : o'clock, half past, quarter past or quarter to.
I know what a right angle looks like (a quarter turn) I understand angle as a measurement of a turn
I can use standard units of length, mass and capacity to estimate and to begin to measure
I can work out "how many more" I need to add to a number to make 20
I know my number bonds to 20

2a
I can read and write all numbers to 1000
I can partition a number into hundreds, tens and units
I can choose the right operation to solve simple + - problems
I know by heart all the number bonds that make 100 (multiple of 10)
I can double numbers to 10 and halve numbers to 20
I know that X sign is a multiplication
I know that x2 represents doubling and dividing by 2 means halving
I know my 2x , 5x and 10x tables
I can share between 2,5, or 10
I know that multiplication is the same as repeated addition
I know that two halves or 4 quarters make a whole, and that two quarters and 1 half are equivalent
I can use pictures of 2D and 3D shapes to describe their properties (number of sides, faces, vertices etc)
I can recognise right angle turns and within shapes
I know £3 pounds and 45pence can be written as £3.45
I can total money to £10
I can measure using a ruler up to 30cm
I can make simple lists, tables and charts without help. I can use information from graphs and charts where the scale is in 1.

3c
I can read and write numbers to 1000 and read number in the 1000's
I can round two digit numbers to the nearest 10 and three digit numbers to the nearest 100
I can count on or back in 1's, 10's or 100's starting from any two or three digit number
I can recognise and continue sequences (in 2's 3's 4's 5's or 10's) from any two digit number
I can count back in 2's from any two digit number
I can double or halve numbers to 100
I can add three 2 digit numbers
I can subtract a two digit number from another as long as there is no exchange involved
I can use a calculator to check my addition and subtraction
I know that the – sign is a division symbol
I know most of my 3x and 4x tables
I can find the simple fractions (half or a quarter) of numbers or pictures
I know that less than 0 is a negative number
I can use simple co-ordinates to identify a square on a grid
I can estimate and measure lengths. I can read a scale to the nearest mark
I can read the time to the nearest 5 minutes
I can draw and interpret graphs with scales that are in 2's

3b
I can read and write numbers in thousands
I can round numbers to the nearest 10 or 100
I can add or take away involving negative numbers set out on a number line
I can recognise negative numbers on a thermometer
I can add any amounts of money set out in decimal form
I can subtract any two digit numbers from another using decomposition (exchange) when necessary
I know division is just like repeated subtraction
I know the division facts for the 2,5,and 10 times tables
I know my 3x and 4x times tables
I know and understand why division problems often have remainders
I can count on and back in steps of 3,4 or 5 from any number
I can recognise and name fractions such as half, 1 third, quarter, 1 fifth and 1 tenth
I know what is meant by the signs < and > and can use these to compare numbers
I know that a straight line is equivalent to 2 right angles
I can classify and describe regular and irregular polygons
I can suggest suitable units and equipment to measure length , mass and capacity
I know the units of time and the connections between them (seconds, minutes ect)
I can use this year's calendar
I can construct and interpret sorting diagrams with 2 criteria
I can draw and interpret graphs with scales in 1,2or 5's

3a
I can write out numbers that are said to me in tens or hundreds or thousands
I recognise negative numbers and can position them on a number line
I know that two halves and four quarters make a whole, and that two quarters or three sixths is a half
I can recognise and name fractions such as $\frac{3}{4}$ $\frac{2}{3}$ and $\frac{3}{10}$
I know that $\frac{1}{2}$ is the same as 0.5
I can add 2 numbers together that have one decimal place
I can add two simple fractions
I can work subtractions involving Hundreds, tens and units
I know my entire 2x, 3x, 4x, 5x, 10x, and most of my 6x, 7x, 8x, 9x times tables
I can recognise two digit multiples of 2, 5, 10 and three digit multiples of 2,5,10,50. 100
I know what a square number is and know and recognise them all up to 10 X 10
I can find the pairs of factors of any number to 30 and know all my prime numbers to 30
I can divide numbers with remainders and understand the result
I can recognise equivalent fractions and mixed numbers
I can visualise 3D shapes from 2D shape in a mirror line parallel to one side.
I can read and plot co-ordinates in the first quadrant
I can read a 24 hour digital clock and tell the time on any analogue clock.
I can read simple timetables and use calendars

4c
I know how to read and write numbers to 1,000,000
I can apply a quick method of multiplying by 10 or 100
I can work out 10%, 25% or 50% of numbers and know their connections to fractions.
I understand percentage as part of 100
I can add or subtract with thousands to 2 decimal places
I know my multiplication tables to 10 x
I can multiply two or three digit numbers by any two digit number
I can use a calculator to check all multiplications and division operations
I can check my answers using the inverse operation
I can work out number sequences and explain them to another person
I can use estimation when trying to work out whether my calculation is likely to be correct
I can work out what needs to be added to a fraction to make it a whole one
I can use decimals to write tenths
I can round a decimal to the nearest whole one
I can classify triangles
I can identify simple nets of some solid shapes
I can measure the perimeter and area of rectangles and other simple shapes, using counting methods
I can identify acute and obtuse angles. I understand and can use a protractor to measure in degrees
I can use am and pm notation
I know the equivalent of $\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{4}$ and $\frac{1}{10}$ of 1km, 1m, 1kg, 11
I can collect discrete data and record it in a frequency table
I can independently draw and interpret tally charts, bar charts and bar line graphs.

4b
I can write any number in words and or figures, knowing what each digit represents.
I can use decimal notation for tenths, hundredths and thousandths and know what each digit represents
I can work out the relationship between percentages and fractions
I can multiply and divide any whole number by 100
I can add and subtract numbers up to 10000 on paper
I can estimate answers before multiplying and dividing
I can solve multiplication problems, TU x U, HTU x U and TU x TU
I know what to do with a remainder in a word problem
I can order a set of mixed numbers
I can recognise all squares to at least 12 x 12
I can recognise prime numbers and find all prime numbers to 100
I can use all four operations to solve problems related to money, time, weight or capacity
I can find the mode, median and range of any set of numbers
I can classify according to degree of likelihood (impossible, unlikely, possible, certain etc)

I can construct rectangles, squares and right angled triangles using set squares and rulers
I can recognise all lines of symmetry in a shape and sketch a reflective pattern
I can recognise where a shape will be after a translation
I can find the difference between any positive and negative number or between two negative numbers
I can construct triangles using a ruler and protractor, draw lines to the nearest millimetre and angles to the nearest degree
I can complete symmetrical patterns with 2 lines of symmetry
I can use and interpret co-ordinates in the first quadrant
I can convert up to 1000cm to m (vice versa)
I am efficient when choosing and using a range of appropriate scales

4a
I can order, add or subtract negative numbers
I can order numbers with up to 3 decimal places
I can multiply or divide to one decimal place
I know the word "inverse" and can check my answers using the inverse operation
I can order fractions such as $\frac{2}{3}$, $\frac{3}{4}$, $\frac{5}{6}$, by changing each to a common denominator
I can use a calculator to convert fractions to their decimal equivalents
I can work out a decimal fraction that lies between two that have a 0.1 difference, such as 3.6 and 3.7
I can add and subtract decimal numbers on paper
I can use all number operations to solve word problems involving numbers in "real life"
I can interpret a pie chart, using a percentage or fractions to describe proportions of the whole set of data
I can use a probability scale of 0 to 1
I can calculate angles on a straight line
I can identify different nets for an open cube
I can recognise parallel and perpendicular lines
I can measure and calculate the perimeter and area of rectangles and other simple shapes
I can construct and interpret simple line graphs
I can group data, with equal class intervals and construct graphs and charts with it

5
I can use a calculator to calculate percentages and fractions of quantities and measurements
I can use a calculator to calculate squares, square roots and cubes of larger numbers
I can multiply and divide by 100, and 1000.
I can use all four operations to 2 decimal places
I can carry out a long multiplication and division and check my answers on a

calculator

I can round up or down to the nearest 10,100 and 1000

I can work out the missing value in simple equation involving addition or subtraction:
e.g. $2x-1=7$

I can use all four operations to solve word problems involving money including conversions to/from foreign currency and percentage , such as VAT

I can apply formulae for perimeters and areas of rectangles and the volume of cuboids

I can calculate the perimeter and area of simple compound shapes that will split into rectangles .

I can use all four operations in solving problems involving speed.

I can convert up to 1000cm to m (vice versa)

I am efficient when choosing and using a range of appropriate scales