

Mathematics Targets

Moving from Level W and working towards level 1c

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

Moving from level 1c and working towards level 1b

I can order numbers from 0-20	
I can add 1 to any number up to 10 and record my operation	
I can take 1 from any number up to 10 and record my operation	
I can estimate how many objects there are in a group of 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 £1	
I can recognise repeating patterns that have three items in them	
I know the meaning of: too many, estimate, before, next to, after, between	
I can recognise and name an oblong	

Moving from level 1b and working towards level 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 20 or 30	
I can partition any number up to 20 in tens and units	
I can work out a missing number from a simple sequence of numbers to 30	
I can tell which of any 2 numbers is the larger or smaller (up to 30)	
I know and use the symbols + (plus) and = (equals)	
I can work out "how many more I need to add" to a number to make another (up to 20)	
I know and use the symbol - (minus)	
I can work out "how many more I need to take away" from a number to leave me with a give number	
I can add two coins together and know how much I have got	
I know the meaning of minus, equals to	

Moving from level 1a and working towards level 2c

I can read all numbers up to 100	
I try to write all my numbers up to 100 but sometimes get mixed up with the Tens and Units	
I put numbers in order up to 100	
I can add 2 numbers together using a number line (by counting on)	
I can subtract by counting back on a number line	
I can add 3 single digit numbers	
I know which is the largest or smallest number in any give group up to 100	
I can recognise and find $\frac{1}{2}$ or $\frac{1}{4}$ of different shapes	
I can put information I have collected on a block graph	
I can work out where a line of symmetry is in simple shapes	

Moving from level 2c and working towards level 2b

I can read and write all numbers to 100	
I can count backwards in 2's, 5's, or 10's	
I can order numbers or money from the highest to the lowest or from the lowest to the highest	
I know what is meant by odd or even numbers	
I can partition a number into tens and units and then add them together	
I can add 2 two-digit numbers sometimes without apparatus	
I can take a number between 0 and 9 from a 2-digit number without using apparatus	
I can take a 2-digit number from another 2-digit number using apparatus	
I can find a half or a quarter of any number that is divisible by 2 or 4	
I can read the time to o'clock, half past, quarter past/to	
I know what a right angle looks like	

Moving from level 2b and working towards level 2a

I can read and write all numbers to 1000	
I can partition a number into hundreds tens and units	
I know that a number less than zero is a negative number	
I can add 2 two digit numbers that require me to carry into the tens column	
I know that the x sign is a multiplication	
I know my 2 and 10 times table	
I can share between 2, 3, 4 or 10	
I know that multiplication is the same as repeated addition	
I know that £3 and 45 pence can be written as £3.45	
I can total money to £10	
I can measure using a ruler to 30 cms	

Moving from level 2a and working towards level 3c

I can read and write all numbers to 1000 and I can read numbers in thousands	
I can round up 2-digit numbers to the nearest 10 and 3-digit numbers to the nearest 100	
I can count on or back in 1's 10's or 100's starting from any 2-or 3-digit number	
I can count back in 2's starting from any 2-digit number	
I can order negative numbers from -10 to -1	
I can double or halve numbers up to 100	
I am very good at adding up to 3 2-digit numbers	
I can subtract a 2-digit number from another as long as there is no exchange involved	
I can use calculators to check my addition and subtraction	
I know that the \div sign is a division symbol	
I know my 5x table and most of my 3x and 4x table	

Moving from level 3c and working towards level 3b

I can read and write numbers in thousands	
I can round up numbers to the nearest 10 or 100	
I can add or subtract involving negative numbers set out on a number line	
I can add any amount of money set out in decimal format	
I can subtract any 2-digit number from another using decomposition (exchange) when necessary	
I know that division is just like repeated subtraction	
I know my 3 and 4 times table	
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 $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ or $\frac{1}{10}$	
I know what is meant by the signs $<$ or $>$ and can use them to compare numbers	

Moving from level 3b and working towards level 3a

I can write out numbers that are said to me in tens hundreds or thousands	
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 two numbers together that have 1 decimal place	
I can add two simple fractions	
I can work out subtractions involving hundreds tens and units	
I know all my 2x 3x 4x 5x and 10x tables and most of my 6x 7x 8x and 9x tables	
I can recognise 2-digit multiples of 2, 5 and 10 and 3-digit multiples of 2, 5, 10, 50 and 100	
I know what a square number is and know and recognise them all to 10 x 10	
I can find the pairs of factors to any number to 30 and know all my prime numbers to 30	
I can read a 24-hour digital clock and can tell the time on any analogue clock	

Moving from level 3a and working towards level 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% and 50% of numbers and know their connection to fractions	
I can add or subtract with thousands to 2 decimal places	
I know all my multiplication tables up to 12x	
I can multiply 2- or 3-digit numbers by any 2-digit number	
I can use a calculator to check all my multiplication and division operations	
I can work out number sequences and explain them to another person	
I use estimation when trying to work out whether my calculations are likely to be correct	
I can work out what has to be added to a fraction to make a whole	
I can round a decimal to the nearest whole number	

Moving from level 4c and working towards level 4b

I can write any number in words and/or figures knowing what each digit represents	
I can use decimals for tenths hundredths and thousandths and know what each digit represents	
I can work out the relationship between percentages and fractions	
I can multiply or divide by 100 and 1000 even when decimals are involved	
I can order a set of mixed numbers	
I can recognise all square numbers to at least 12×12	
I can recognise prime numbers and find all prime numbers to 100	
I can use all four operations to solve problems relating to money, time, length weight or capacity	
I can find the mode and 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 patterns	
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, drawing lines to the nearest millimetre and angles to the nearest degree	

Moving from level 4b and working towards level 4a

I can order add and subtract negative numbers	
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 work out a decimal fraction that lies between two that have a 0.1 difference such as 3.6 and 3.7	
I can order a set of numbers that have one or two decimal places	
I can use all four number operations to solve word problems involving numbers in real life	
I can interpret a pie graph using percentages or fractions to describe proportions of the whole set of data	
I can use probability scale of 0 to 1	
I can calculate angles in a triangle or around a point	
I can use a ruler and compass to bisect straight lines and angles	

Moving from level 4a and working towards level 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 10, 100 and 1000
I can use all four number 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 or 1000
I can work out the missing value in a simple equation involving addition or subtraction e.g $2x + 1 = 7$
I can use all four number operators to solve word problems involving money including conversions to/from foreign currency and percentage such as VAT
I can apply formulas for perimeters and areas of rectangles and the volume of cuboids
I can calculate the perimeter and areas of simple compound shapes that will split into rectangles
I can use all four number operators to solve problems involving speed