

<b>Year 1</b>	<b>Milestone 1</b>	<b>Essentials</b>
1	I can count to and across 100 from any number	To know and use numbers (counting)
2	I can count, read and write numbers to 100 in numerals	To know and use numbers (counting)
3	I can read and write and interpret mathematical symbols: +, - and =	To know and use numbers (counting)
4	I can identify "one more" and "one less" than a number I am given	To add and subtract (checking)
5	I can use number bonds and subtraction facts within 20	To add and subtract (methods)
6	I can add and subtract 1-digit and 2-digit numbers to 20, including zero	To add and subtract
7	I can recognise, find and name a half	To use fractions (recognising fractions)
8	I can recognise, find and name a quarter	To use fractions (recognising fractions)
9	I can measure and begin to record length, mass, volume and time	To use measures
10	I can recognise and know the value of all coins and notes	To use measures
11	I can use language to sequence events in time order	To use measures
12	I can recognise and use language to talk about and write dates	To use measures
13	I can tell the time to the half-hour, including drawing clocks	To use measures
14	I can recognise and name common 2-D shapes	To understand the properties of shapes
15	I can recognise and name common 3-D shapes	To understand the properties of shapes

Year 2	Milestone 1	Essentials
1	I can count in steps of 2s, 3s and 5s, and steps of 10	To know and use numbers (counting)
2	I can recognise place value in two-digit numbers	To know and use numbers (place value)
3	I can compare and order numbers up to 100 using $<$ , $>$ and $=$	To know and use numbers (comparing)
4	I can recall and use number addition/subtraction facts to 20, and derive related facts	To add and subtract (using number facts)
5	I can add and subtract mentally and with objects one- and two-digit numbers	To add and subtract (methods)
6	I can understand and use the inverse relationship between addition and subtraction	To add and subtract (checking)
7	I know my $2\times$ , $5\times$ and $10\times$ tables, and can recognise odd & even numbers	To multiply and divide (using multiplication and division facts)
8	I can calculate mathematical statements using $\times$ and $\div$ symbols	To multiply and divide (methods)
9	I can recognise, find, name and write $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{1}{2}$ and $\frac{3}{4}$ of size, shape or quantity	To use fractions (recognising fractions)
10	I can write simple fraction facts, e.g. $\frac{1}{2}$ of 6 = 3 and recognize the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$	To use fractions (equivalence)
11	I can combine amounts of money to make a value, including using $\pounds$ and p symbols	To use measures
12	I can tell the time to the nearest 5 minutes, including drawing clocks	To use measures
13	I can describe properties of 2-D shapes, including number of sides and symmetry	To understand the properties of shapes
14	I can describe properties of 3-D shapes, including number of edges, vertices and faces	To understand the properties of shapes
15	I can interpret and construct simple tables, tally charts and pictograms	To use statistics

<b>Year 3</b>	<b>Milestone 2</b>	<b>Essentials</b>
1	I can count in multiples of 4, 8, 50 and 100	To know and use numbers (counting)
2	I can compare and order numbers up to 1000	To know and use numbers (comparing)
3	I can add and subtract numbers mentally, including round numbers to HTU	To add and subtract (methods)
4	I can add and subtract using standard column methods	To add and subtract (methods)
5	I can estimate answers to calculations and use the inverse to check answers	To add and subtract (checking)
6	I know 3x, 4x and 8x tables	To multiply and divide (using multiplication and division facts)
7	I can count up and down in tenths	To use fractions (recognising fractions)
8	I understand that tenths are objects or quantities divided into ten equal parts	To use fractions (recognising fractions)
9	I can compare and order simple fractions	To use fractions (recognising fractions)
10	I can recognise and show equivalent fractions	To use fractions (recognising fractions)
11	I can find and write fractions of a set of objects	To use fractions (recognising fractions)
12	I can add and subtract fractions with common denominators (less than one)	To use fractions (solving problems)
13	I can measure, compare and calculate measures using standard units	To use measures
14	I can measure the perimeter of simple 2-D shapes	To use measures
15	I can add and subtract money, including giving change	To use measures
16	I can tell and write the time from an analogue clock, including using Roman numerals	To use measures
17	I can estimate and read time to the nearest minute	To use measures
18	I can identify horizontal, vertical, parallel and perpendicular lines	To understand the properties of shapes
19	I can identify whether angles are greater or less than a right angle	To understand the properties of shapes
20	I can interpret and present data using bar charts, pictograms and tables	To use statistics

Year 4	Milestone 2	Essentials
1	I can count backwards through zero, including negative numbers	To know and use numbers (counting)
2	I recognise place value in four-digit numbers	To know and use numbers (place value)
3	I can round any number to the nearest 10, 100 or 1000	To know and use numbers (place value)
4	I know tables up to $12 \times 12$	To multiply and divide (using multiplication and division facts)
5	I can use place value and number facts to carry out mental calculations	To multiply and divide (methods)
6	I can use factor pairs and commutativity in mental calculation	To multiply and divide (methods)
7	I can use short multiplication method	To multiply and divide (methods)
8	I can recognise and use hundredths	To use fractions (recognising fractions)
9	I can recognise and write decimal equivalents to $\frac{1}{4}$ , $\frac{1}{2}$ and $\frac{3}{4}$	To use fractions (equivalents)
10	I can divide one- or two-digit numbers by 10 and 100, using tenths and hundredths	To use fractions (solving problems)
11	I can round decimals with one decimal place to the nearest whole number	To use fractions (recognising fractions)
12	I can compare numbers up to two decimal places	To use fractions (recognising fractions)
13	I can convert between different units of metric measurement, including money	To use measures
14	I can find the area of rectilinear shapes by counting squares	To use measures
15	I can solve problems converting units of time	To use measures
16	I can compare and classify shapes, including quadrilaterals and triangles	To understand the properties of shapes
17	I can complete a simple symmetric figure with respect to a specific line of symmetry.	To understand the properties of shapes
18	I can describe positions on a 2-D grid using co-ordinates	To describe position, direction and movement
19	I can identify acute and obtuse angles and compare and order angles up to two right angles by size	To understand the properties of shapes
20	I can interpret and present discrete and continuous data on appropriate graphs	To use statistics

<b>Year 5</b>	<b>Milestone 3</b>	<b>Essentials</b>
1	I can interpret negative numbers in context	To know and use numbers (counting)
2	I can read Roman numerals to 1000, including years	To know and use numbers (representing)
3	I can recognise and use square and cube numbers	To multiply and divide (using multiplication and division facts)
4	I can use rounding to check answers and determine accuracy	To know and use numbers (place value)
5	I can identify multiples and factors, including finding factor pairs and common Factors	To multiply and divide (using multiplication and division facts)
6	I can use the vocabulary of prime numbers, factors, composite numbers	To multiply and divide (using multiplication and division facts)
7	I know prime numbers up to 19	To multiply and divide (using multiplication and division facts)
8	I can multiply and divide numbers by 10, 100 or 1000, including decimals	To multiply and divide (using multiplication and division facts)
9	I can use long multiplication for multiplying numbers of up to 4 digits by one or two digits	To multiply and divide (methods)
10	I can divide numbers using standard written short division	To multiply and divide (methods)
11	I can convert between mixed numbers and improper fractions	To use fractions (recognising fractions)
12	I can compare and order fractions whose denominators are multiples of the same number	To use fractions (recognising fractions)
13	I can identify, name and write equivalent fractions including tenths and hundredths	To use fractions (equivalence)
14	I can add and subtract fractions with denominators that are multiples of the same number	To use fractions (equivalence)
15	I can multiply proper fractions and mixed numbers by whole numbers with support	To use fractions (solving problems)
16	I can read and write decimal numbers as fractions	To use fractions (equivalence)
17	I can round decimals with 2 decimal places to whole number or to one decimal place	To use fractions (recognising fractions)
18	I can read, write, order and compare numbers with up to 3 decimal places	To use fractions (recognising fractions)
19	I can recognise % symbol and explain as a fraction with denominator 100 (parts out of 100)	To use fractions (recognising fractions)
20	I understand and use common approximate conversions between metric and imperial	To use measures
21	I can measure and calculate the perimeter of composite rectilinear shapes	To use measures
22	I can calculate the area of rectangles, and estimate the area of irregular shapes	To use measures
23	I can use the properties of rectangles to find missing lengths and angles	To use measures
24	I can distinguish between regular and irregular polygons	To understand the properties of shapes
25	I can identify 3-d shapes from 2-d representations	To understand the properties of shapes
26	I know angles are measured in degrees and compare acute, obtuse and reflex angles	To understand the properties of shapes
27	I can draw and measure angles to the nearest degree	To understand the properties of shapes
28	I can identify angles at a point, in a turn and on a straight line	To understand the properties of shapes
29	I can describe and represent the result of a reflection or translation	To describe position, direction and movement
30	I can complete, read and interpret information in tables, including timetables	To use statistics



<b>Year 6</b>	<b>Milestone 3</b>	<b>Essentials</b>
1	I can use negative numbers to calculate intervals across zero	To know and use numbers (counting)
2	I can divide numbers using long division, interpreting the remainders as appropriate	To multiply and divide (methods)
3	I can use order of operations to carry out calculations	To multiply and divide (complexity)
4	I can use common factors to simplify fractions	To use fractions (equivalence)
5	I can compare and order fractions of any size	To use fractions (recognising fractions)
6	I can add and subtract fractions with different denominators and mixed numbers	To use fractions (solving problems)
7	I can multiply simple pairs of proper fractions	To use fractions (solving problems)
8	I can divide proper fractions by whole numbers	To use fractions (solving problems)
9	I can calculate decimal fraction equivalents for simple fractions	To use fractions (equivalence)
10	I can multiply a number with up to two decimal places by whole numbers	To multiply and divide (methods)
11	I can use written division with answers of up to two decimal places	To multiply and divide
12	I can solve problems involving the calculation of percentages	To use fractions (solving problems)
13	I can recall and use equivalences between fractions, decimals and percentages	To use fractions (equivalents)
14	I can solve problems using ratio using multiplication and division facts	To use fractions
15	I can solve problems involving similar shapes where the scale factor is known	To use measures
16	I can solve problems involving proportion, using knowledge of fractions and multiples	To use measures
17	I can use simple formulae	To use algebra
18	I can generate and describe linear number sequences	To use algebra
19	I can express missing number problems algebraically	To use algebra
20	I can convert units of measure between smaller and larger units	To use measures
21	I can convert between miles and kilometres	To use measures
22	I can calculate the area of parallelograms and triangles	To use measures
23	I can calculate and compare volume of cubes and cuboids	To use measures
24	I can illustrate and name parts of a circle	To understand the properties of shapes
25	I can find missing angles in triangles, quadrilaterals and regular polygons	To understand the properties of shapes
26	I can recognise vertically opposite angles and find missing angles	To understand the properties of shapes
27	I can describe positions on the full co-ordinate grid	To describe position, direction and movement
28	I can translate shapes on a co-ordinate grid and reflect in the axes	To describe position, direction and movement
29	I can construct and interpret pie charts	To use statistics
30	I can calculate the mean as an average	To use statistics