



End of Year 5 Maths Expectations



Number Statistics Calculation Geometry Measurement

N1	Read and write numbers to at least 1,000,000
N2	Order and compare numbers to at least 1,000,000 and determine the value of each digit
N3	Count forwards or backwards in steps of powers of 10, up to 1,000,000
N4	Count forwards and backwards with positive and negative numbers
N5	Interpret negative numbers in context
N6	Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000
N7	Read Roman numerals to 1,000 (M)
N8	Recognise years written in Roman numerals
N9	Read and write numbers with up to 3 d.p.
N10	Order and compare numbers with up to 3 d.p.
N11	Recognise and use thousandths and relate them to tenths, hundredths
N12	Round decimals with two d.p. to the nearest whole number and to one d.p.
N13	Solve problems involving number up to three d.p.
N14	Compare and order fractions whose denominators are multiples of the same number
N15	Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
N16	Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements
N17	Add fractions with the same denominator
N18	Add fractions with multiplies of the same number
N19	Subtract fractions with the same denominator
N20	Subtract fractions with the multiplies of the same number
N21	Multiply proper fractions and mixed numbers by whole numbers
N22	Read and write decimal numbers as fractions
N23	Recognise the percent symbol (%) and understand percent means number of parts per hundred and write percentages as a fraction with a denominator 100 and as a decimal
N24	Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those with a denominator of a multiple of 10 or 25.
S1	Solve comparison, including sum and difference problems using information presented in line
S2	graphs
S4	Complete information in tables, including timetables Read and interpret information in tables, including timetables

C1	Add whole numbers with more than 4 digits using a formal method
C2	Subtract whole numbers with more than 4 digits using a formal method
C3	Add and subtract numbers mentally with increasingly large numbers
C4	Use rounding to check answers to calculations and determine, in the context of a problems
C5	Solve addition multi-step problems in contexts, deciding which operations and methods to use and why.
C6	Solve subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
C7	Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers
C8	Multiply and divide numbers mentally using known facts
C9	Divide numbers up to four-digits by a one-digit number using the formal written method
C10	Solve problems using multiplication
C11	Solve problems using division
C12	Know and use the words prime number, prime factors and composite numbers
C13	Identify whether a number up to 100 is a prime number and recall prime numbers up to 19
C14	Recognise and use square numbers and cube numbers and their notation
C15	Solve problems using multiplication and division using my knowledge of factors and multiples, squares and cubes
G1	Identify 3D shapes, including cubes and cuboids, from 2D representations
G2	Know angles are measured in degrees
G3	Draw given angles and measure them in degrees
G4	Identify angles at a point and one whole turn (total 360o)
G5	Identify angles at a point on a straight line, $\frac{1}{2}$ turn, and other multiples of 90o
G6	Use the properties of rectangles to find related facts, find missing lengths and angles
G7	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles
M1	Convert between different units of metric measure
M2	Understand and use equivalences between metric units and common imperial units
M3	Measure and calculate the perimeter of composite rectilinear shapes in cm and m
M4	Calculate and compare the area of squares and rectangles including using standard unis cm ² and m ² and estimate the area of irregular shapes
M5	Estimate volume and capacity
M6	Solve problems involving converting between units of time
M7	Use all four operations to solve problems including measure