

Year 5 Skills



Place Value	1	I can read, write, order & compare numbers to at least 1 000 000 and determine the value of each digit.
	2	I can count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000. I can round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.
	3	I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero.
	4	I can read Roman numerals to 1000 (M) and recognise years written in Roman numerals.
Addition and Subtraction	5	I can add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
	6	I can add and subtract numbers mentally with increasingly large numbers.
	7	I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
Multiplication and Division	8	I can identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
	9	I know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. I can Establish whether a number up to 100 is prime and recall prime numbers up to 19.
	10	I can multiply numbers up to 4 digits by a 1- or 2-digit number using a formal written method. I can divide numbers up to 4 digits by a 1-digit number using the formal written method of short division.
	11	I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
	12	I can recognise and use square numbers and cube numbers, and the notation for squared and cubed.
Fractions	13	I can compare and order fractions whose denominators are all multiples of the same number. I can add and subtract fractions with the same denominator and multiples of the same number.
	14	I can identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.
	15	I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.
	16	I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.
	17	I can round decimals with two decimal places to the nearest whole number and to one decimal place. I can read and write decimal numbers as fractions (e.g. $0.72 = \frac{72}{100}$).
	18	I can read, write, order and compare numbers with up to three decimal places. I can solve problems involving numbers up to three decimal places.
Measure	19	I can write percentages as a fraction. I can solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{3}{5}$, $\frac{1}{3}$ and those with a denominator of a multiple of 10 or 25.
	20	I can convert between different units of metric measure (e.g. km & m; cm & m; cm & mm; g & kg; l & ml). I can use approx. equivalences between metric and imperial units (e.g. inches, pounds & pints).
	21	I can measure & calculate the perimeter of composite rectilinear shapes in cm/m. I can calculate the area of squares/rectangles using standard units, cm^2/m^2 and estimate the area of irregular shapes.
	22	I can estimate volume (e.g. using 1 cm blocks to build cubes/cuboids) and capacity (e.g. using water).
	23	I can solve probs involving converting between units of time. I can use all four operations to solve probs involving measure (e.g. length, mass, volume, money) using decimal notation including scaling.
Geometry	24	I can identify 3-D shapes, including cubes and other cuboids, from 2-D representations.
	25	I know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. I can draw given angles, and measure them in degrees.
	26	I can identify: angles at a point and one whole turn (total 360°); angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°); other multiples of 90° .
	27	I can use the properties of rectangles to deduce related facts and find missing lengths and angles.
	28	I can identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.
Statistics	29	I can solve comparison, sum and difference problems using information presented in a line graph.
	30	I can complete, read and interpret information in tables, including timetables.