



Year 5 Maths – Key Performance Indicators



Meeting statements	Evidence collection				
Number, Place Value, approximation estimation and rounding					
I can count forwards and backwards in steps of powers of 10 for any given number to 1,000,000					
I can read, write, order and compare numbers to at least 1,000,000					
I can determine the value of each digit in numbers up to 1,000,000					
I can read roman numerals to 1000 and recognise years written in Roman numerals					
I can round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000					
I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero					
I can solve number problems and practical problems with the above					
Calculations					
I can add and subtract numbers mentally with increasingly large numbers					
I can add and subtract whole numbers with more than 4 digits, including using formal written methods					
I can use rounding to check answers to calculations and determine in the context of a problem, levels of accuracy					
I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why					
I can identify multiples and factors, including finding all factor pairs or a number and common factor pairs of two numbers					
I 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					
I recognise and use square numbers and cube numbers and the notation of squared and cubed					
I can multiply and divide numbers mentally drawing upon known facts					
I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000					
I can multiply and divide numbers up to 4 digits by a 1 digit or 2 digit number using a formal written method, including long multiplication for 2 digit numbers					
I can divide numbers up to 4 digits by a 1 digit number using a formal written method of short division and interpret remainders appropriately for the context					
I can solve problems involving multiplication and division including using knowledge of factors and multiples, squares and cubes					
I can solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign					



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Fractions, decimals and percentages					
I can recognise mixed numbers and improper fractions and convert from one form to another					
I can write mathematical statements >1 as a mixed number					
I can identify, name and write equivalent fractions of a given number, represented visually including tenths and hundredths					
I can compare and order fractions whose denominators are multiples of the same number					
I can add and subtract fractions with the same denominator and denominators that are multiples of the same number					
I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams					
I can read and write decimals as fractions					
I recognise and can use thousandths and relate them to tenths, hundredths and decimal equivalents					
I can round decimals with 2 decimal places to the nearest whole number and 1 decimal place					
I can read, write order and compare numbers with up to 3 decimal places					
I can solve problems involving numbers up to 3 decimal places					
I recognise the per cent symbol and understand that per cent relates to 'number parts per hundred'					
I can write percentages as a fraction with denominator hundred and as a decimal					
I can 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 fractions with a denominator or a multiple of 10 or 25					



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Measurement					
I can solve problems involving converting between units of time					
I can convert between different units of metric measure					
I understand and use appropriate equivalences between metric units and common imperial units, such as inches, ponds and pints					
I can measure and calculate the perimeter of composite rectilinear shapes in cm and m					
I can calculate and compare the area of rectangles and including using standard units (cm ² and cm ³) to estimate the area of irregular shapes					
I can estimate volume and capacity					
I can use all four operations to solve problems involving money using decimal notation, including scaling					
Geometry-properties of shapes					
I can use the properties of rectangles to deduce related facts and find missing lengths and angles					
I can distinguish between regular and irregular polygons based on reasoning about equal sides and angles					
I can identify 3D shapes, including cubes and other cuboids, from 2D representations					
I can estimate and compare acute, obtuse and reflex angles					
I can identify angles at a point and one whole turn					
I can identify angles at a point on a straight line and $\frac{1}{2}$ a turn					
I can draw given angles and measure them in degrees					
Geometry-Position and Direction					
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					
I can complete, read and interpret information in tables, including timetables					
I can solve comparison, sum and difference problems using information presented in a line graph					