

Maths Yearly Objectives Assessment

Year Five: **Pupil Name**

		Solve problems involving percentage and decimal equivalents for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.				
		I can write percentages as a fraction with denominator 100, and as a decimal.				
		I can solve problems involving \times and \div , including scaling by simple fractions and problems involving simple rates.	I can recognise the % symbol and understand that per cent relates to 'number of parts per hundred'.			
		I can solve problems involving $+$, $-$, \times and \div and a combination of these, including understanding the meaning of the = sign.	I can solve number problems up to 3 decimal places.	I can draw a given angle, measuring and writing its size in degrees.		
I can solve number problems up to 1,000,000.		I can solve problems involving \times and \div , including using a knowledge of factors and multiples, squares and cubes.	I can multiply proper fractions and mixed numbers by whole numbers.	I can estimate and compare acute, obtuse and reflex angles.		
I can recognise years written in Roman numerals.		I can \times and \div whole numbers and those involving decimals by 10, 100 and 1000.	I can recognise mixed numbers and improper fractions and convert them from one to another.	I can solve problems involving converting between units of time E.g. Days to weeks.	I can identify angles at a point and one whole turn.	
I can read Roman numerals to 1000 (M)	I can solve multi-step subtraction problems in contexts.	I can divide numbers up to 4 digits by a 1 digit number using an efficient written method.	I can add and subtract fractions with the same denominator and related fractions.	I can solve problems involving addition, subtraction of units of measures using decimal notation.	I can identify angles at a point on a straight line and $\frac{1}{2}$ turn.	
I can solve number problems that involve temperature.	I can solve multi-step addition problems in contexts.	I can multiply numbers up to 4 digits by a one or two digit number using an efficient written method.	I can compare and order fractions whose denominators are all multiples of the same number.	I can calculate and compare the area of squares and rectangles (using cm^2 and m^2).	I can identify multiples of 90 degrees.	I can solve 'difference' problems using information presented in line graphs.
I can use negative numbers in context and count forwards and backwards with positive and negative numbers through 0.	I can subtract numbers with more than 4 digits, including using formal written methods.	I can recognise and use square numbers and cube numbers, including the notations.	I can read and write decimals as fractions E.g. $0.71 = \frac{71}{100}$	I can estimate the area of irregular shapes.	I know angles are measured in degrees and can estimate and measure them.	I can solve 'sum' problems using information presented in line graphs.
I can round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000, 100,000.	I can add numbers with more than 4 digits, including using formal written methods.	I can identify multiples and factors, including finding all factor pairs and common factors of two numbers.	I can round decimals with two decimal places to the nearest whole number and tenth	I can measure and calculate the perimeter of composite and rectilinear shapes in cm and m.	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.	I can solve 'comparison' problems using information presented in line graphs.
I can count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.	I can subtract numbers mentally with increasingly large numbers.	I can establish whether a number up to 100 is prime and recall prime numbers up to 19.	I can identify, name and write equivalent fractions of a given fraction, represented visually, including 10ths and 100ths.	I understand and use basic equivalences between metric and common imperial units	I can state and use the properties of a rectangle to deduce related facts and find missing angles and lengths.	I can complete information in tables including timetables.
I know what each digit represents in numbers to 1,000,000.	I can use rounding to check answers to calculations in the context of problems.	I know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.	I can read, write, compare and order decimals with up to 3 decimal places.	I can recognise and estimate volume and capacity.	I can identify 3-D shapes including cubes and cuboids from 2-D presentations.	I can present information using ICT.
I can read, write, compare and order numbers to 1,000,000.	I can add numbers mentally with increasingly large numbers.	I can multiply and divide numbers mentally drawing upon knowing facts.	I can recognise and use 1000ths and relate them to 10ths, hundredths and decimal equivalents	I can convert between different units of measure (E.g. kilometre to metre, metre to centimetre, centimetre and millimetre, kilogram and gram, litre and millilitre).	I can distinguish between regular and irregular polygons (using angles and sides).	I can read and interpret information in tables including timetables.
Number, Place Value & Rounding	Addition and Subtraction	Multiplication and Division	Fractions	Measures	Geometry	Statistics