Mathematics

Number & Calculations

Name: _____

By the end of Year 4...

To Know and Use Numbers				***I can count in multiples of 6, 7, 9 25 and 1000.** *I can find 1000 more or less than a given number. ***I can count backwards through zero to include negative numbers.**
				*I can read Roman numerals to 100 (*I to C*). *I can identify, represent and estimate numbers using different representations.
				***I can order and compare numbers beyond 1000 (*including measures*).**
				*I can recognise the place value of each digit in a four-digit whole number. ***I can round any number to the nearest 10, 100 and 1000.**
				*I can solve number and practical problems with large positive numbers. *I know which operation to use when solving problems. *I can check my work and make corrections. *I look for patterns in results when problem solving.
To Add and Subtract				*I can add and subtract numbers with up to four digits using the formal written methods of columnar addition and subtraction.
				***I can solve two-step addition and subtraction problems in contexts.**
				*I can estimate and use inverse operations to check answers to a calculation.
To Multiply and Divide				***I can recall multiplication and division facts for multiplication tables up to 12x12.**
				*Using place value, and known and derived facts: - I can multiply and divide mentally, by 0 and 1. - I can mentally multiply together three numbers. *I can recognise and use factor pairs in mental calculations. *I can multiply two digit and three digit numbers by a one digit number.
				*I can recognise and use the inverse relationship between multiplication and division and use this to check calculations and solve missing number problems.
				*I understand the distributive law. *I can use the distributive law and other multiplication and addition methods to solve: - Problems involving multiplying two-digit numbers by a one-digit number. - Integer scaling problems. - Correspondence problems.
To Use Fractions				*I can add and subtract fractions with the same denominator. *I can recognise, find and write fractions of a length and of a shape. (*unit and non- unit fractions*) *I can recognise, find and write fractions of whole numbers and set of objects.
				*I can compare numbers with the same number of decimal places up to 2dp. ***I can count up and down in tenths and hundredths and understand how they arise.** *I can compare and order unit fractions and fractions with the same denominators. ***I can find the effect of dividing a one or two-digit number by 10 and 100.** ***I can round decimals with one decimal place to the nearest whole number.**
				I can recognise and show, using diagrams, families of common equivalent fractions. *E.g. $^1/_4$ is equivalent to $^2/_8$, $^3/_{12}$, $^4/_{16}$, etc. ***I can recognise and write decimal equivalents of any number of tenths or hundredths.** *I can recognise and write decimal equivalents to $^1/_4$, $^1/_2$, $^3/_4$.
				*I can solve problems involving increasingly harder fractions. ***I can solve simple measure and money problems involving fractions and decimals to two decimal places.**