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        Continuous
        Objectives
    The continuous
objectives are woven
    into the teaching
continually during the
    year.
    Children are given
continual and regular
opportunities to apply
    their knowledge to
problem solving and
        reasoning.
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        Key Basic
        skills to be
        taught
    continuously
    through the
        year
    Solve number problems and practical problems that relate to all of the above (number and place value)
Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
Solve problems involving number up to three decimal places
Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes
Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign Solve problems Involving multiplication and division, including scaling by simple fractions and problems involving simple ratio
Solve problems which require knowing percentage and decimal equivalents of $1 / 2$, $1 / 4,1 / 5,2 / 5,4 / 5$ and those fractions with a denominator of a multiple of 10 or 25 . Solve problems involving converting between units of time
Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.
Count forward and backwards in steps of powers of 10 for any given number up to 1000000
Read and write numbers up to 1000000 and determine the place value of each digit
Recognise the place value in large whole numbers to at least 1000000 Compare and order numbers to at least 1000000
Partition numbers into place value columns
Partition numbers in different ways
Round any number up to 1000000 to the nearest $10,100,1000$, 10000 and 100000
Use rounding to support estimation and calculation
Use knowledge of place value to derive new addition and subtraction facts
Secure fluency in multiplication table facts, and corresponding division facts, through continued practice (5NF-1)
Identify multiples and common factors of two or more numbers Find factor pairs of a two-digit number
Understand the terms multiple, factor, and prime, square and cube numbers and use them to construct equivalent statements
Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.
Establish whether a number up to 100 is prime and recall prime numbers up to 19
Can find the prime factors of a given number
Read and recognise Roman numerals up to 1000
Recognise and use square and cube numbers
Double any number between 1 and 1000 and find all corresponding halves
Add and subtract mentally with increasingly large numbers to aid fluency
e.g. TthTHTU $\pm$ THTU, TthTHTU $\pm$ HTU, HTU.t $\pm$ HTU.t

Multiply and divide whole numbers including those involving decimals by 10, 100 and 1000
Use knowledge of inverse to derive associated multiplication and division facts
Use known facts and knowledge of multiples to derive new facts
Count up and down in tenths, hundredths and thousandths in decimals and fractions including bridging zero
For fractions and decimals derive pairs with complements to 1 and to other whole numbers
Identify equivalent fractions
Recognise decimal equivalents of fractions with a denominator of ten, one
hundred and one thousand
Read and write decimal numbers with up to 3 decimal places as fractions
Read, write order and compare numbers with up to three decimal places
Round decimals with up to two decimal places to the nearest whole number
and to one decimal place
Know percentage and decimal equivalents of $1 / 2,1 / 4,1 / 5,2 / 5,4 / 5$, and those
fractions with a denominator of a multiple of 10 or 25
Use knowledge of complements to 60 and that there are 60 minutes in an
hour to convert time durations

