



Place Value

- Count on and back in steps of 2s, 3s and 5s from 0 and in 10s from any number to and beyond 100
- Explain the value of each digit (tens and ones) in a two digit number
- Identify, represent and estimate numbers using pictures, including a number line
- Compare and order numbers to at least 100 in numerals and words
- Use greater than ($>$), smaller than ($<$) and equals sign ($=$) to compare numbers
- Read and write numbers to 100 in numerals and words
- Use Place value and number facts to solve problems

Number - Addition and Subtraction

- Know and use all addition and subtraction facts to 20 fluently
- Know all number pairs to 100 using 'ten' numbers e.g. $40+30=100$
- Add and subtract simple combinations of one and two digit numbers
- Understand that addition can be done in any order but subtraction cannot
- Use addition and subtraction facts to check calculations and solve missing number problems (use of the inverse operation)
- Understand the term sum and difference
- Record simple addition and subtractions in columns as a preparation for formal methods

Number - Multiplication and Division

- Use a variety of language to describe multiplication and division
- Recognise and explain odd and even numbers
- Practise and learn by heart the $\times 2$, $\times 5$ and $\times 10$ tables (using the one 2 is 2, two 2s are 4 approach) and use them in solving problems
- Write mathematical statements for simple number facts using \times , \div and $=$ signs
- Understand that multiplication can be done in any order but division of one number by another cannot
- Understand the relationship between multiplication and division
- Use multiplication and division facts to check calculations and solve missing number problems (use of the inverse operation)

Fractions

- Use table knowledge in relating to fractions e.g. $20 \times 2 = 40$ and 20 is half of 40
- Can double all numbers up to 10 and halve all even numbers up to 20
- Recognise, find, name and write the fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape and quantity
- Write simple fractions of a number e.g. $\frac{1}{2}$ of 6 = 3 and recognise that $\frac{1}{2}$ is equivalent to $\frac{2}{4}$
- Write simple fractions in halves or quarters on a number line up to 10, starting with any number

**Place value**

- Count, read and write numbers to 100 in numerals, forwards and backwards starting from 0 or 1 or from any number
- Count to 100 and back in multiples, including 2s, 5s and 10s
- Read, write and order numbers from 0 to at least 20
- Say which is one more and one less than a given number
- Use a number line on which to represent numbers and be able to show one more or one less
- Understand the concept of balance and understand the term equal, more and less than, most, least
- Read and write numbers from 1 to 20 in numerals and words

Number - Addition and Subtraction

- Use addition, subtraction and equals signs to read, write and understand mathematical statements
- Add and subtract one digit numbers, including zero, within 20
- Know and use addition bonds and related subtraction facts within 20
- Solve one-step problems involving addition and subtraction, using objects and pictures
- Solve missing number problems involving addition and subtraction
- Use and understand age appropriate vocabulary to explain methods mathematically

Number - Multiplication and Division

- Identify simple number patterns
- Solve one step problems by using objects, pictures and arrays
- Double and halve numbers within 20, relating to the 2 times table
- Count in 2's, 5's and 10's
- Know by heart their 2x table

Fractions

- Recognise and find a half and quarter of a simple shape, a length, a set of objects or quantities

Early Years

Dimple Well Definites - Maths



Nursery

Place value

- Count to 10
- Count reliably up to 10 objects
- Recognise numerals to 10

Number - Addition and Subtraction

- Add or subtract one object to or from a group

Number - Multiplication, Division and Fractions

- Recognise groups with 1, 2 or 3 objects

Reception

Place value

- Count reliably to 20
- Put numbers in order with numbers to 20
- Use 'more' and 'less' to compare two numbers
- Say which number is 1 more or 1 less than a given number up to 20
- Recognise and write numbers up to 10 in numerals

Number - Addition and Subtraction

- Using objects, add and subtract two single-digit numbers and count on and back to find the answer

Number - Multiplication, Division and Fractions

- Doubling, halving and sharing with objects
- Explain how they solve simple problems