# Number and Place Value: Read and Write Numbers to 100000 

## Aim:

Read, write, order and compare numbers to at least 1000000 and determine the value of each digit.

To read and write numbers up to at least 100000.

## Success Criteria:

I can read and write numbers up to 100000 in words.

I can read and write numbers up to 100000 in digits.
I can partition numbers up to 100000 .
I can use different representations to make numbers up to 100000.

## Key/New Words:

Ten thousands, hundred thousands, thousands, hundreds, tens, ones, zero, digits, partition, place value.

## Resources:

Lesson Pack
Place value counters

## Preparation:

Place Value Grid - as required
Lucky Dip Activity Sheet - one per pair
Differentiated Read and Write Numbers to 100000 Activity Sheet - one per child

Tenths and Hundredths Place Value Grid - one per child

Diving into Mastery sheets - as required


#### Abstract

Children should recognise the place value of digits in four-digit numbers. They may have composed and decomposed Prior Learning: four-digit numbers using standard and non-standard partitioning. Click here to find other lessons that seek to consolidate this step.


## Learning Sequence

Remember It: Using the Lesson Presentation, children partition numbers with up to four digits, writing the value
of each number in words.
to represent different numbers on a place value grid, recapping how a ten-frame can be used to help recognise
where one number is ten times the size of the last. Can children represent numbers up to 100 oon?
Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity.
These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section
and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are
applying this to show their depth of understanding.

## Explorelt

Decomposelt: Challenge your children to decompose given five-digit numbers using non-standard partitioning.
Learnlt: Children will find this visually exciting $\qquad$ a useful tool for understanding place value.

Makelt: Challenge your children to represent a given five-digit number in as many ways as possible. How many concrete, pictorial and abstract representations can they make?

