## Number and Place Value: Number Comparisons

## Aim:

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

To order and compare numbers to at least 1000000.

## Success Criteria:

I can determine the value of each digit in numbers up to 1000000.

I can use visual and abstract methods to compare numbers.
I can choose a suitable method to compare numbers in a range of mathematical contexts.

## Key/New Words:

Place value, number, digit, greater than, less than, order, compare, partition.

Resources:
Lesson Pack
Box - one per group, if not using the Popcorn Box Net

## Preparation:

Popcorn Box Net - one per child/pair
Popcorn Number Cards - one per group of three, cut out and screwed up into a ball to look like popcorn, and placed into the Popcorn Box or a different, suitable box

Popcorn Symbol Cards - one per group of three, cut out and screwed up into a ball to look like popcorn, and placed into the Popcorn Box or a different, suitable box Diving into Mastery sheets - as required

Prior Learning: It will be helpful if children have covered reading and writing numbers up to at least 1000000 , and identifying the value of each digit. Click here for lessons that cover this.

Learning Sequence

 | Remember it: Using the Lesson Presentation, subtract digits provided from numbers up to 1000 000. Discuss |
| :--- |
| methods of calculation and final answers. |
| Cam children solve the calculations using written and visual methods? |

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

Rollit: Children work in pairs and take turns to roll a four-digit, five-digit or six-digit number. Children compare their numbers using the greater than or less than symbols.
Comparelt: Use these differentiated __ to master ordering and comparing numbers.
Learnlt: Children will find this visually exciting a useful tool for learning how to compare numbers up to 1000000 .

