## Maths

## Number and Place Value



## Need a coherently planned sequence of lessons to complement this resource?



See our Number and Place Value Steps to Progression document.

## Comporre Nunbbers

 \}0 1 (0000000
## Aim

- To 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.


## Remember It

## Destroy the Digits

The number is:

Destroy the following digits: 7, 5, 8. What will the new number be?

## Remember It

Which number is ten more than seven thousand and six?


## Remember It

Which number is one hundred less than seven thousand?


## Numbers in Words

Which number is ten less than ten thousand?

Give your answer in words and digits.

Nine thousand, nine hundred and ninety or 9990.

## Numbers in Words

What is one hundred more than one hundred thousand?

Give your answer in words and digits.

One hundred thousand, one hundred or 100100.

## Numbers in Words

How much less than one million is nine hundred and ninety thousand and one hundred?

Give your answer in words and digits.

Nine hundred or 900.

## Numbers in Words

Which number is fifty thousand less than five hundred thousand?

Give your answer in words and digits.

Four hundred and fifty thousand or 450000.

## Numbers in Words

What is twenty thousand more than one thousand?

Give your answer in words and digits.

Twenty-one thousand or 21000.

## Greater Than and Less Than

When we compare numbers, we make decisions about which number in a set is bigger or smaller based on the value of their digits.

We can use the greater than and less than symbols to show how we have compared two or more numbers. We can also use the equals symbol to show when two numbers are the same.

Can you recall what the greater than and less than symbols look like?


## Symbol Selection

Select the correct symbol from the choices below for each statement.


34129


## Symbol Selection

Select the correct symbol from the choices below for each statement.


111111


## Symbol Selection

Select the correct symbol from the choices below for each statement.

## 410081

 500081


## Symbol Selection

Select the correct symbol from the choices below for each statement.

$$
74000+3500
$$



79 000-3500


## Symbol Selection

Select the correct symbol from the choices below for each statement.


830 000-1500


## Symbol Selection

Select the correct symbol from the choices below for each statement.
1345600-40000


$$
955200+350000
$$



## Popcorn Comparisons

Work in groups of 3 to practise using the greater than and less than symbols.

In your popcorn box, you have different types of popcorn. The yellow popcorn pieces contain the symbols whereas the white popcorn pieces contain the numbers.

Each member of the group should take a piece of popcorn - there should be 1 yellow and 2 white pieces between you.


## Popcorn Comparisons

Organise your numbers and your symbol to make a true number sentence.
Then take 3 more pieces of popcorn and have another go!
How many true number sentences can you create using your popcorn?


## Diving into Mastery

Dive in by completing your own activity!


## Destroy the Digits

## Which digits of the first number need to be destroyed to

 make the statement true?
## $6637.399_{2}$

How many possibilities can you find?

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