## Place Value: Compare and Order Decimals

## Aim:

Read, write, order and compare numbers up to 10000000 and determine the value of each digit.

Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and nonstandard partitioning. (6NPV-2)
To order and compare numbers up to 10000000 .

## Success Criteria:

I can identify the value of each digit in decimal numbers.
I can compare decimal numbers. I can order decimal numbers.

## Key/New Words:

Order, compare, greater, less, place value, digit, decimal.

| Resources: |
| :--- | :--- |
| Lesson Pack |
| Dice - per pair |
| Preparation: <br> Get in Line Number Cards - cut out <br> Differentiated Number Line Squeeze Activity <br> Sheet - per child <br> Extra Challenge Activity Sheet - as required <br> Blank Place Value Grids - as required <br> Diving into Mastery Activity Sheets - as required |

## Resources:

Lesson Pack
Dice - per pair

## Preparation:

Get in Line Number Cards - cut out
Differentiated Number Line Squeeze Activity Sheet - per child

Extra Challenge Activity Sheet - as required
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Prior Learning: It will be helpful if children have covered place value of decimal numbers and the 'greater than' and 'less than' symbols.

## Learning Sequence

Remember It: Children use their knowledge of place value from previous lessons to read different representations
of numbers up to 10000000 shown on the Lesson Presentation. Children use reasoning to explain which of
the representations shown is the odd one out.
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.
Children reason about statements about ordered number cards, some of which are blank. They
reason whether numbers have been sorted into groups based on their relationship to 13.65. They
match children's statements to the calculation involving two inequality signs.
missing digits.

## Exploreit

Extendit
Extend the Number Line Squeeze game by challenging children to roll and write three consecutive decimal numbers on the number line.

Orderit Ask children to bring in an old shopping receipt, or provide some receipts for them to look at. Ask children to order the decimal prices on one of the receipts.

