# Number and Place Value: Ordering Numbers Differently 

## Aim:

Compare and order numbers from 0 up to 100 ; use < > and = signs.

To order numbers in different representations.

Success Criteria:<br>I can order numbers in different representations from smallest to greatest.<br>I can order numbers in different representations from greatest to smallest.

## Key/New Words:

Numbers 0-100, up, back, zero, teen, two-digit, represent, tens, ones, greater, less, equal, larger, smaller, quantity, order.

## Resources:

Lesson Pack
Base ten blocks
Hundred squares

## Preparation:

Extended Place Value Cards 0-100 - one per pair
Ordering Numbers Represented Differently Activity Sheet - one per child

Ordering Numbers in Different Representations Challenge Cards - one per pair

Diving into Mastery Activity Sheets - as required

Prior Learning: It will be helpful if children have a secure understanding of ordering numbers to 100 .

## Learning Sequence

Remember It: Children use their knowledge of place value and ordering numbers to complete the
challenges featured on the Lesson Presentation. Children recap ordering two-digit numbers in different
ways (from smallest to greatest and greatest to smallest). Children record their results on whiteboards.
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.

## Exploreit

Orderit: Children work in groups with small manipulatives, base ten blocks or coins. Each child takes a handful of objects and count them. The group must then sort themselves into order from greatest to smallest, or from smallest to greatest.
Createit: Children work in pairs using the
. They select two cards at random to use as their start and end point. They create a sequence between these numbers using as many representations as possible.
Learnit: Children will find this visually exciting a useful tool for supporting understanding within number and place value.

