## Number and Place Value: Finding Equals

## Aim:

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

To use the equals sign.

| Success Criteria: <br> I can find equal values. <br> I can represent equal values. <br> I can use the equals sign in an equation. | Resources: <br> Lesson Pack <br> Whiteboards and pens - class set |
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| Equipment for representing place value, <br> such as base ten equipment, number <br> shapes, tens frames and coins. |  |
| Key/New Words: <br> Numbers 0-100, up, back, zero, teen, two- <br> digit, represent, tens, ones, equal, quantity, <br> value, equation, equals, is the same as, <br> equivalent to, is equal to and the <br> equals sign. | Preparation: <br> Extended Place Value Cards 0-100 - 1 <br> per pair |
| Finding Equal Values Activity Sheet - 1 <br> per child |  |
| True or False Mat - 1 per pair |  |
| Place Value Dominoes - as required |  |
| Diving into Mastery Activity Sheets - as |  |
| required |  |

## Resources:

Lesson Pack
ment for representing place such as base ten equipment, number shapes, tens frames and coins.

## Preparation:

 per pairFinding Equal Values Activity Sheet - 1 per child

True or False Mat - 1 per pair
Place Value Dominoes - as required required

It will be helpful if children can partition 2-digit numbers in different ways. For lessons to help children have secure understanding of this, click here.

## Learning Sequence

Remember It: Children use their knowledge of place value and ordering numbers to complete the challenge
featured on the Lesson Presentation. Children use given digits to form two-digit numbers and order them,
e.g. from greatest to smallest. How many different number ordered sequences can they make? Children
record their results on whiteboards and explain whether they have ordered the numbers from smallest to
greatest or greatest to smallest.
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

Investigateit: Allow children to investigate the concept of equal values using a pair of balance scales and interlocking cubes. Children can write the corresponding equations on whiteboards.
Playit: Children play with the in pairs. The children shuffle and distribute the dominoes equally. The aim of the game is to place as many dominoes with matching values as possible. The child with the most dominoes in their possession at the end of the game loses.
Learnit: Children will find this visually exciting a useful tool for supporting their place value knowledge.

