

Master Comparing 3-Digit Number Representations

Rationale

In this practical step, pupils will build on their understanding of the place value of 3-digit numbers to compare two number representations. They will work from left to right to compare the representations. They will compare two 3-digit numbers as well as 3-digit and 2-digit numbers.

Pupils will continue to use the vocabulary 'less than', 'greater than', and 'equal to' in their comparisons. They will use the vocabulary 'more' and 'fewer' to explain their comparisons.



Key Stem Sentences

- ___ is greater than ___
- ___ is less than ___
- ___ is equal to ___
- ___ has more / fewer / no ___s.



Key Vocabulary

- compare
- greater than / less than
- equal to
- more / fewer / no



Common Errors or Misconceptions

- Pupils may think that a group with more objects is always a larger number. For example, 50 is greater than 400
- Pupils may misread the place value of digits.



Key Representations

Dienes



161 has more tens than 151. 161 is greater than 151

Place Value Counters



322 has fewer hundreds than 442. 322 is less than 442



Pupils will FLOURISH if they can...

- identify a number representation that is greater than, less than or equal to another.
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and representations.

