

# Master Comparing Number Representations with 1s and up to 2 DP

## Rationale

In this step, pupils build on their previous learning of comparing whole number representations and draw on their understanding of the place value of decimal numbers up to 2 decimal places to compare two decimal number representations. They will work from left to right to compare the representations. They will begin to compare two decimal representations with 1 decimal place and move on to compare decimal representations with 2 decimal places. 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



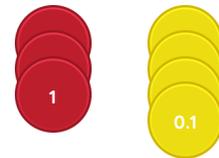
## Common Errors and Misconceptions

- Pupils may think that a group with more objects is always a larger number, e.g. 6 hundredths place value counters > 3 tenths place value counters.
- Pupils may misread the place value of digits.

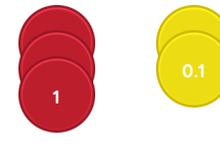


## Key Representations

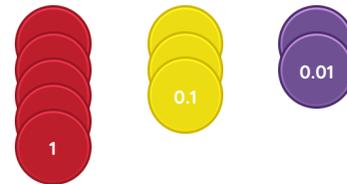
### Place value counters



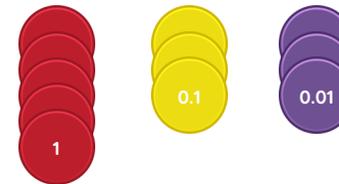
3.4 has more tenths than 3.2



3.4 is greater than 3.2



5.32 has fewer hundredths than 5.33



5.32 is less than 5.33



## Pupils will FLOURISH if they can...

- identify a decimal representation that is greater than, less than or equal to another.
- explain their understanding using 'Decide, Assess, Back up' with representations.

