4M025 Overview

Master Comparing Numbers with 1s and up to 2 DP

Rationale

In this step, pupils will build on their previous learning of comparing decimal number representations and comparing whole numbers, by comparing numbers with 1s and up to 2 decimal places. They continue to use the symbols >, < and = and the vocabulary 'greater than', 'less than' and 'equal to' in their comparisons. They will work from left to right, looking at the greatest place value column first to compare the digits and explain why a number is greater than or less than another using 'more' and 'fewer'. Pupils will demonstrate their understanding of comparing decimal numbers through the use of number lines. They will also develop their learning by writing missing digits to complete comparison statements.

Key Stem Sentences

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

Key Vocabulary

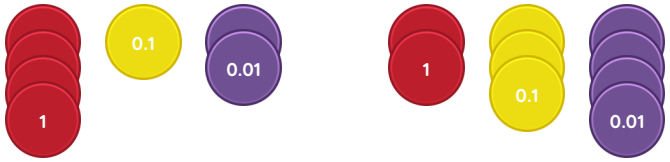
- compare
- greater than / less than / equal to
- more / fewer / no

Common Errors or Misconceptions

- Pupils may use the vocabulary or symbols incorrectly to compare two decimal numbers.
- Pupils may misread the place value of digits.

Key Representations

Place value counters



4.12 has more ones than 2.34. 4.12 is greater than 2.34

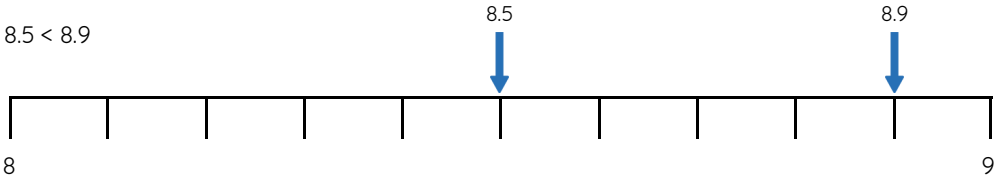
Place value charts with digits

1s	0.1s	0.01s
7	6	1
7	6	8

7.61 has fewer hundredths than 7.68
7.61 is less than 7.68

Number lines (to support reasoning)

8.5 < 8.9



Pupils will FLOURISH if they can...

- identify a decimal number that is greater than, less than or equal to another.
- use a number line to show decimal numbers greater than, less than or equal to another.
- write digits to complete comparison statements.
- explain their understanding using 'Decide, Assess, Back up' with representations.

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