

Master Comparing Number Representations to 10 B

Rationale

In this step, pupils build on their understanding of comparing numbers to 10 represented by concrete apparatus to compare numbers represented by numerals.

Pupils will continue to use the vocabulary 'greater than', 'less than', and 'equal to' in their comparisons, using a number line to support their reasoning.



Key Stem Sentences

- There are ___ ones.
- ___ has more / fewer ones than ___
- They each have ___ ones.
- ___ is greater than / less than / equal to ___



Key Vocabulary

- compare
- fewer
- more
- greater than / less than / equal to



Common Errors or Misconceptions

- Pupils may not be secure in identifying numerals. For example, they may identify 9 as 6
- Pupils may have difficulty relating a 'greater than' and a 'less than' sentence to the same 2 numbers.



Key Representations

Number cards with Dienes



There are 7 ones.



There are 4 ones.

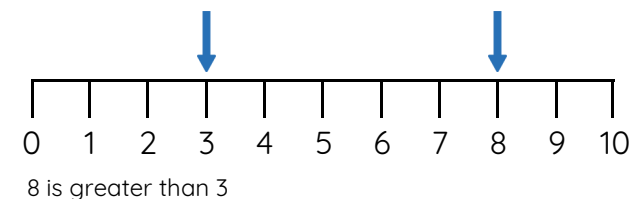
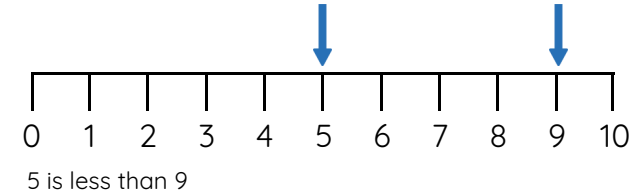
7 has more ones than 4. 7 is greater than 4

Number cards



2 has fewer ones than 6. 2 is less than 6

Number lines (to support reasoning)



Pupils will FLOURISH if they can...

- identify whether a number from 0 to 10, represented by numerals, is greater than, less than or equal to another number.
- explain their understanding using verbal sentences and concrete apparatus.

