

Master Comparing Number Representations to 10 A

Rationale

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

Pupils will be introduced to the vocabulary 'greater than', 'less than', and 'equal to' in their comparisons.

Pupils will need access to concrete apparatus, such as Dienes, to complete this practical step.



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 choose the incorrect vocabulary to compare two numbers.
- Pupils may miscount the ones.
- Pupils may assume that the ones must be represented in the same pattern to be equal.



Key Representations

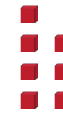
Dienes



There are 5 ones.
5 has fewer ones than 6
5 is less than 6



There are 6 ones.



They each have 7 ones.
7 is equal to 7



There are 4 ones.
4 has more ones than 3
4 is greater than 3



There are 3 ones.



Pupils will FLOURISH if they can...

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

