

Master Ordering Number Representations to 10 B

Rationale

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

They will order three numbers from greatest to smallest and smallest to greatest, progressing from concrete representations to numerals.

Pupils will continue to use the vocabulary 'smallest' and 'greatest' in their ordering and use number lines to support reasoning.



Key Stem Sentences

- ___ has more / fewer tens / ones than ___ and ___
- The smallest / greatest number is ___



Key Vocabulary

- order
- smallest
- greatest
- more / fewer



Common Errors or Misconceptions

- Pupils may find it difficult to order from greatest to smallest.
- Pupils may find it difficult to grasp the concept of moving from right to left along the number line to explain ordering numbers from greatest to smallest.



Key Representations

Number cards and Dienes

7 2 4

7 has more ones than 5 and 2
5 has more ones than 2
The greatest number is 7 and
the smallest number is 2

Number cards

9 5 3

greatest smallest

Number lines (to support reasoning)

The smallest number is 1 and the greatest number is 10

Pupils will FLOURISH if they can...

- identify which number is the smallest and which is the greatest.
- order numbers, from 0 to 10, represented by numerals, from smallest to greatest and greatest to smallest.
- explain their understanding using verbal sentences and concrete apparatus.

