Master Standard Partitioning (3 digits) A

Rationale

In this step, pupils build on the place value of 3-digit numbers. They will combine 100s, 10s and 1s to compose 3-digit numbers. Then, they partition 100s, 10s and 1s to decompose 3-digit numbers.

Pupils will vary the order of the presentation of the parts in order to fully understand the composition of the number. For example, 400, 6 and 80 combine to make 486

Key Stem Sentences

- ___ , ___ and ___ combine to make ___
- ___ partitions into ___ , ___ and ___

Key Vocabulary

- 100s / 10s / 1s
- compose / decompose
- combine / partition
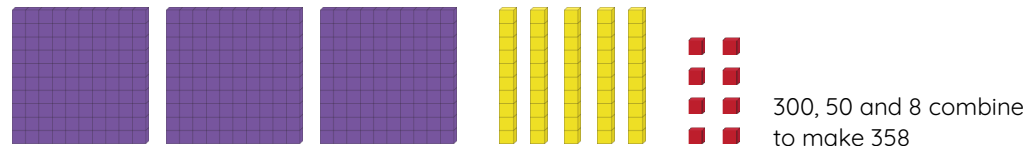
Common Errors or Misconceptions

- Pupils may compose incorrectly when the order of the parts are varied. For example, 70, 500 and 3 combine to make 753
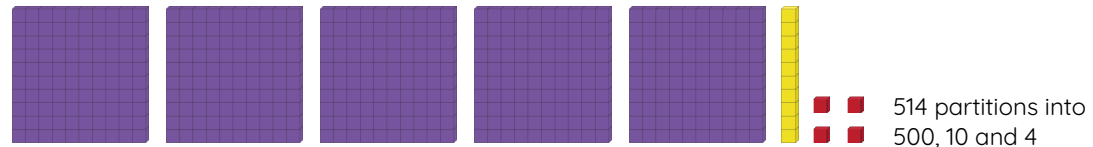
Key Representations

Dienes

Composing

300, 50 and 8 combine to make 358

Decomposing

514 partitions into 500, 10 and 4

Pupils will FLOURISH if they can...

- combine 100s, 10s and 1s into 3-digit numbers.
- partition 3-digit numbers into 100s, 10s and 1s.
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and representations.