Master Standard Partitioning 21 to 100 B

Rationale

In this step, pupils build on their understanding of combining and partitioning 2-digit numbers to 20 to combine and partition 2-digit numbers to 100

They progress to using pictorial representations to compose and decompose 2–digit numbers to 100 by combining and partitioning.

Key Stem Sentences

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

Key Vocabulary

- 10s / 1s
- compose / decompose
- combine / partition

Key Representations

Part-Whole Models with Dienes

Composing

89
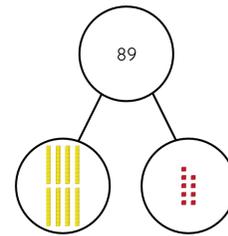
80 and 9 combine to make 89

Decomposing

36
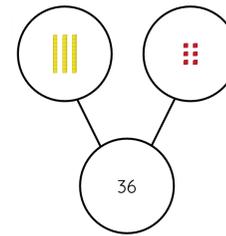
36 partitions into 30 and 36

Part-Whole Models

Composing

51
50
1
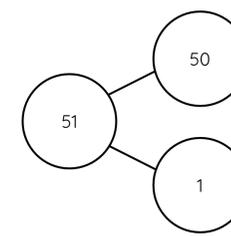
50 and 1 combine to make 51

Decomposing

4
74
70
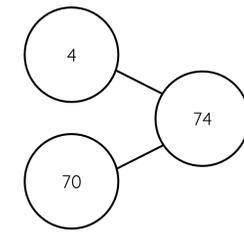
74 partitions into 70 and 4

Common Errors or Misconceptions

- Pupils may have difficulty with the concept of the relationship between the parts and the whole.

Pupils will FLOURISH if they can...

- combine 10s and 1s into 2-digit numbers to 100, using pictorial representations.
- partition 2-digit numbers to 100 into 10s and 1s, using pictorial representations.
- explain their understanding using verbal sentences and concrete apparatus.