

Master Non-Standard Partitioning (1 or 2 Decimal Places) A

Rationale

In this practical step, pupils develop the understanding that decimal numbers can be combined and partitioned in different ways. They will combine non-standard place value units to compose numbers with 2 decimal places. Then, they will partition into non-standard place value units to decompose numbers with 2 decimal places.

Pupils will use place value counters to partition the numbers and they will record their understanding with stem sentences.



Key Stem Sentences

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



Key Vocabulary

- 1s / 0.1s / 0.01s
- compose / decompose
- combine / partition



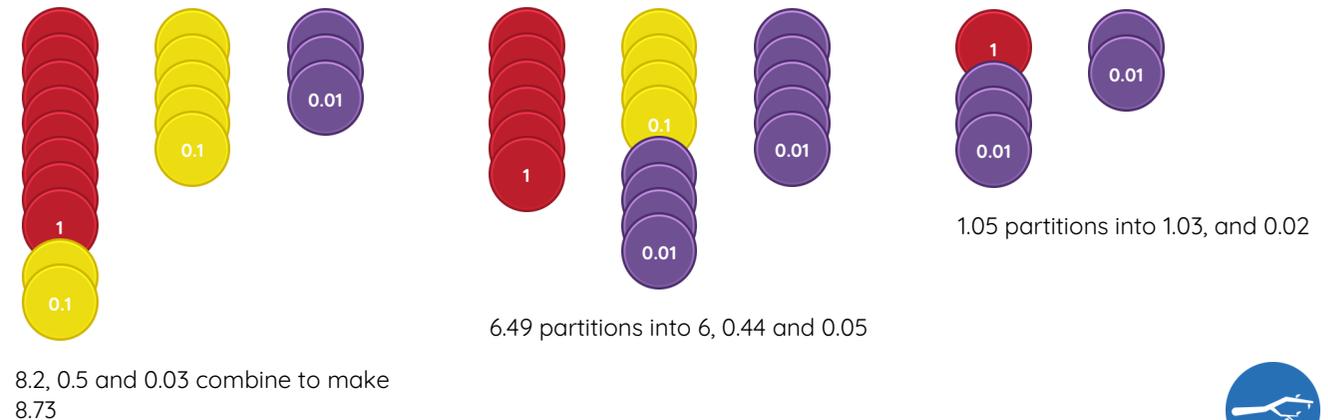
Misconceptions

- Pupils may combine or partition incorrectly. For example, 3.4 and 2.17 combine to make 3.68



Key Representations

Place Value Counters



Pupils will FLOURISH if they can...

- accurately combine and partition numbers with 1 or 2 decimal places in different ways.
- begin to explain their understanding using their own words and representations,

