

# 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



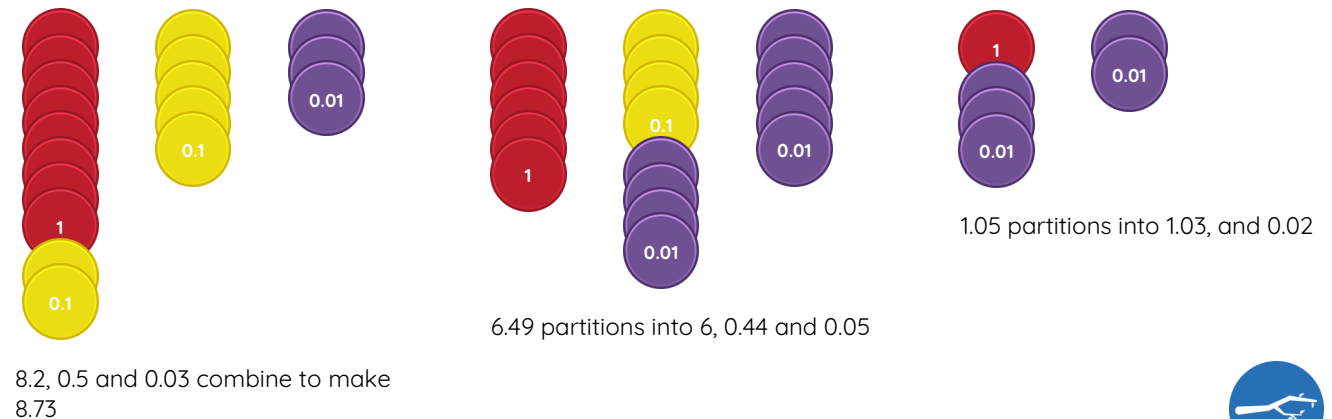
## Misconceptions

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



## Key Representations

### Place Value Counters



6.49 partitions into 6, 0.44 and 0.05

1.05 partitions into 1.03, and 0.02



## 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,

