

Master Non-Standard Partitioning (5 and 6 digits) A

Rationale

In this practical step, pupils build on their understanding of standard partitioning of 5 and 6-digit numbers and learn that numbers can be combined and partitioned in different ways. They will combine non-standard place value parts to compose 5 and 6-digit numbers. Then, they will partition into non-standard place value parts to decompose 5 and 6-digit numbers. For example, 93,756 partitions into 90,000, 3,200, 500, 50 and 6

Pupils will use place value counters to combine and partition numbers and they will identify which place value parts have been broken.



Key Stem Sentences

- The _____ place value part has been broken.
- _____ combine to make ____
- ____ partitions into _____



Key Vocabulary

- 100,000s / 10,000s / 1,000s / 100s / 10s / 1s
- compose / decompose
- combine / partition



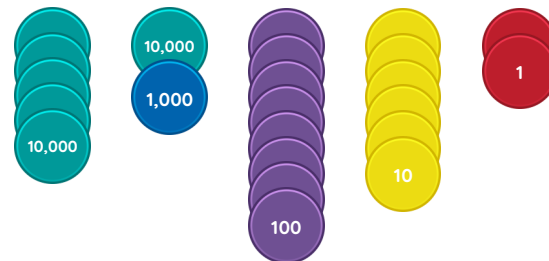
Common Errors or Misconceptions

- Pupils may compose or decompose incorrectly. For example, 65,000, 530 and 49 combine to make 70,349

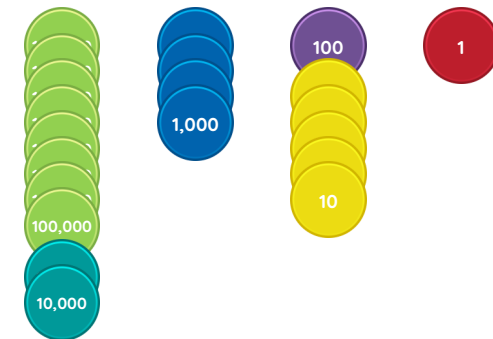


Key Representations

Place Value Counters



50,000, 11,000, 800, 60 and 2 combine to make 61,862



824,151 partitions into 820,000, 4,000, 150 and 1



Pupils will FLOURISH if they can...

- accurately combine and partition 5 and 6-digit numbers in different ways.
- begin to explain their understanding using their own words and representations.

