

Master Standard Partitioning 11 to 20 A

Rationale

In this practical step, pupils are introduced to combining and partitioning. They learn that 1-digit numbers have ones and 2-digit numbers have tens and ones. They use concrete apparatus to combine 10s and 1s to compose 2-digit numbers to 20

Pupils then continue to use concrete apparatus to decompose 2-digit numbers by partitioning.



Key Stem Sentences

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



Key Vocabulary

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



Common Errors or Misconceptions

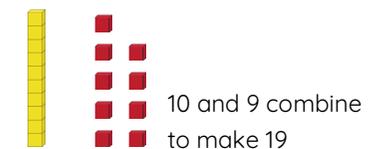
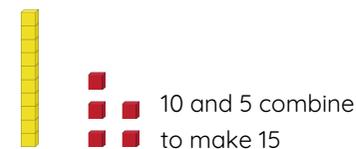
- Pupils may appear to be secure in combining and partitioning using concrete apparatus, but may just be sorting apparatus into each part by colour.
- Pupils may have difficulty with the concept of the relationship between the parts and the whole.



Key Representations

Dienes

Composing



Decomposing



Pupils will FLOURISH if they can...

- combine 10s and 1s into 2-digit numbers to 20, supported by concrete apparatus.
- partition 2-digit numbers to 20 into 10s and 1s, supported by concrete apparatus.
- explain their understanding using verbal sentences and concrete apparatus.

