

Master 10s to 100

Rationale

In this step, pupils will continue to build on their prior learning of tens. They will recall that 10 ones are equivalent to 1 ten and 20 ones are equivalent to 2 tens. Pupils will recognise that 30 ones are equivalent to 3 tens and so on, connecting their understanding beyond 20.



Key Stem Sentences

- ___ ones are equivalent to ___ ten(s).
- ___ ten(s) is / are equivalent to ___ ones.



Key Vocabulary

- ones
- tens
- equivalent to



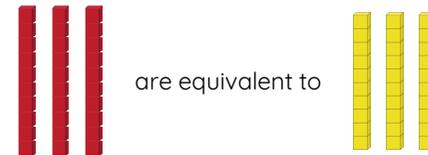
Common Errors or Misconceptions

- Pupils may misunderstand that a ten block represents 10 ones.
- Pupils may still count 10 ones separately rather than grouping as 1 ten.



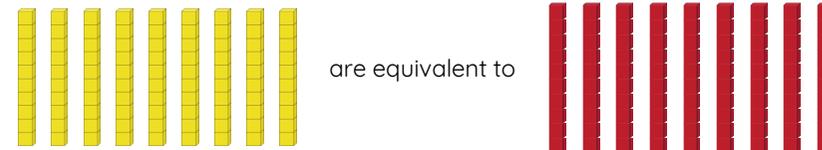
Key Representations

Base 10 / Dienes



are equivalent to

30 ones are equivalent to 3 tens



are equivalent to

9 tens are equivalent to 90 ones



Pupils will FLOURISH if they can...

- identify that 10 ones are equivalent to 1 ten.
- understand equivalence with wider powers of 10.
- explain their understanding using verbal sentences and concrete apparatus.

