

Master Representing Numbers to 100

Rationale

In this practical step, pupils will deepen their understanding of numbers to 100 by representing them in different ways.

They will practise and become familiar with representing 2-digit numbers using a variety of concrete apparatus in order to fully access the subsequent small steps.

Pupils will need access to concrete apparatus, such as straws and Dienes, and spatial representations, such as bead strings, to complete this practical step.



Key Stem Sentences

- There is / are ___ ten(s) and ___ one(s).
- The number is ___



Key Vocabulary

- ones
- tens
- one hundred



Common Errors or Misconceptions

- Pupils may not yet be secure in place value which could result in numbers not being represented accurately.



Key Representations

Place Value Chart with Counters

10s					1s				
10	10	10	10	10	1	1	1	1	1

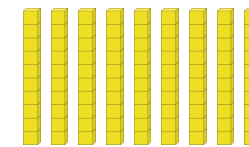
There are 6 tens and 5 ones. The number is 65

Bead Strings



There are 2 tens and 8 ones. The number is 28

Dienes



There are 9 tens. The number is 90



Pupils will FLOURISH if they can...

- accurately represent any number from 1 to 100 using concrete apparatus and spatial representations.
- explain their understanding using verbal sentences, concrete apparatus and given representations.

