

# 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
10									

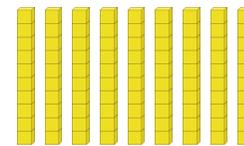
There are 6 tens and 5 ones. The number is 65

### 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.

