

# Master 100s

## Rationale

In this step, pupils develop their understanding of tens from Year 2 and make the link between tens and hundreds. They will understand that 10 tens are equivalent to 1 hundred and that 100 is 10 times the size of 10. Pupils will learn the equivalence of tens to multiples of 100. For example, 30 tens are equivalent to 3 hundreds.

They will deepen their understanding with equivalences of wider powers of 10. For example, 400 ones are equivalent to 4 hundreds.



## Key Stem Sentences

- \_\_\_ tens are equivalent to 1 hundred.
- \_\_\_ is 10 / 100 times the size of \_\_\_
- \_\_\_ s are equivalent to \_\_\_ s.



## Key Vocabulary

- ones / tens / hundreds
- equivalent to



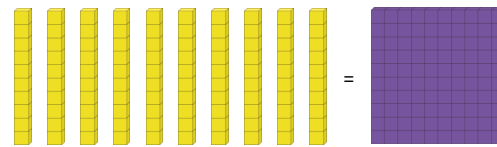
## Common Errors or Misconceptions

- Pupils may misunderstand base 10 place value. For example, 100 tens are equivalent to 1 hundred / 90 ones are equivalent to 9 hundreds.

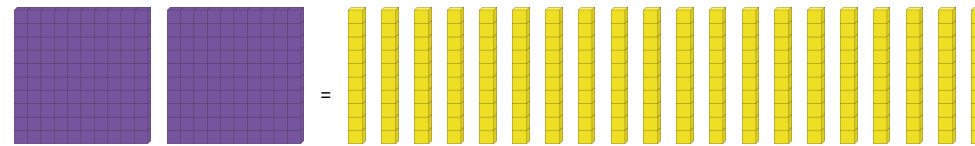


## Key Representations

### Dienes



10 tens are equivalent to 1 hundred.



2 hundreds are equivalent to 20 tens.



## Pupils will FLOURISH if they can...

- identify that 10 tens are equivalent to 1 hundred.
- recognise that 100 is 10 times the size of 10
- understand equivalence with wider powers of 10
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and representations.

