

# Master Simple Equivalent Lengths in Metres and Centimetres

## Rationale

In this step, pupils build on their understanding of metres and centimetres to find simple equivalents.

They will convert measurements given in metres into centimetres and vice versa, progressing to converting measurements given in mixed units of metres and centimetres into centimetres and vice versa.



## Key Stem Sentences

- \_\_\_m / cm is equivalent to \_\_\_cm / m.
- \_\_\_m and \_\_\_cm is equivalent to \_\_\_cm.
- \_\_\_cm is equivalent to \_\_\_m and \_\_\_cm.



## Key Vocabulary

- metres / m
- centimetres / cm
- equivalent



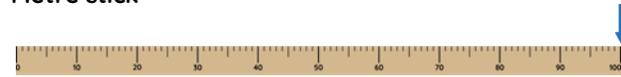
## Common Errors or Misconceptions

- Pupils may apply the wrong unit of measure in their conversions. For example, 7m and 5cm are equivalent to 705m.



## Key Equipment

### Metre stick



1m is equivalent to 100cm.

### Tape measure



400cm is equivalent to 4m.



2m and 75cm is equivalent to 275cm.



## Pupils will FLOURISH if they can...

- convert metres into centimetres, and centimetres into metres.
- convert mixed metres and centimetres into centimetres, and centimetres into mixed metres and centimetres.
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and mathematical proof.

