

Master Measuring Capacity and Volume in Litres B

Rationale

In this step, pupils build upon the practical element of the previous step to record their understanding. They will use the same vocabulary and concepts as they did practically, to state capacities and volumes given in pictorial form. Drawing on their work on reading scales, they will state measurements exactly and to the nearest litre.

They will begin to use the abbreviation 'L' to record capacity and volume in litres.



Key Stem Sentences

- The capacity / volume is exactly ___L.
- The capacity / volume is ___L to the nearest litre.
- An estimation for the capacity / volume is ___L.



Key Vocabulary

- capacity / volume
- litres / L
- exactly / estimation
- to the nearest litre



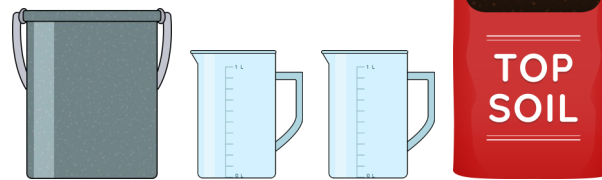
Common Errors or Misconceptions

- Pupils may misread the scale.
- Pupils may make inappropriate estimates.
- Pupils may find it difficult to identify the nearest litre, especially when rounding down to the previous litre.



Key Representations

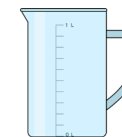
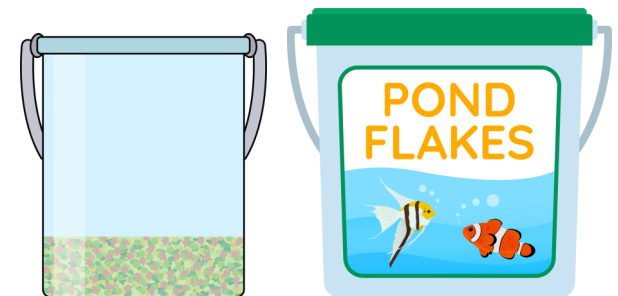
Measuring Containers



The capacity of the container is exactly 2L.



The volume of weed killer is exactly 1L.



An estimation for the capacity of the bucket is 4L.



Pupils will FLOURISH if they can...

- accurately record capacities or volumes to exact measurements and to the nearest litre.
- record capacities or volumes using the abbreviation 'L'.
- make appropriate estimates of capacities or volumes in litres.
- explain their understanding using written sentences and mathematical proof.

