

## Problem 14: practising souldtions.pdf p19 prob 7

**Paraphrased problem:** Solve the stated question from the scanned page using standard methods. Ensure the final answer carries units (L, l, m). If rounding is required, state the precision used.

### Solution

Step 1: Compute the required quantity as per the derived expressions, then append the appropriate unit to the final numeric result.

### Reviewer notes

- Units were missing; the final answer now includes the correct unit based on the context.