

Unit 1 Day 7 Notes: Literal EquationsA-CED.4: *I can rearrange a given formula to solve for a single unknown variable.*

Operation	Justification
$L + W$	Addition
$L - W$	Subtraction

Operation	Justification
LW	Multiplication
$\frac{L}{W}$	Division

Literal equations work the same way as all of the other equations we've done. The only difference? There aren't any numbers!

Solve for W. $15 = 4w$	Solve for W. $A = LW$
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Solve for y. $4x + y = 10$	Solve for y. $rt + y = w$
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Solve for the specified variable.

1. Solve for L. $A = L - W$	2. Solve for W. $V = L + W$
3. Solve for t. $d = rt$	4. Solve for r. $d = rt$
5. Solve for R. $P = IRT$	6. Solve for W. $V = LWH$

7. Solve for h. $S = 2B + Ph$

8. Solve for B. $S = 2B + Ph$

9. Solve for h. $A = \frac{1}{2}bh$

10. Solve for b. $A = \frac{1}{2}bh$

11. Solve for L. $M = \frac{1}{4}PL$

12. Solve for P. $M = \frac{1}{4}PL$

13. Solve for M. $ML + B = A$

14. Solve for x. $by + ax + c = 0$