

Activity	<b>Solving One Step Algebraic Addition and Subtraction Equations</b>	Name: _____
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Tell whether the given value of the variable is a solution of the equation.

1.	$a - 12 = 13; a = 1$		2.	$7 + m = -31; m = 24$		3.	$x + 15 = 20; x = 5$	
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Solve the Equation. Be sure to check your answer.

4.	$18 = r + 7$		5.	$a - 12 = 28$	
6.	$z - 24 = -9$		7.	$20 = s - 35$	
8.	$3.6 + m = 2.5$		9.	$4.2 + x - 1.4 = 7.5$	
10.	$t - \frac{1}{5} = \frac{3}{10}$		11.	$\frac{6}{7} = a + 1$	

Write the verbal sentence as an equation. Then solve the equation.

12.	The difference of a number, b, and 8 is -15.	
13.	9 more than a number, x, is 24.	

14. A paperback version of a book costs \$17.10. This cost is \$2.89 less than the cost of the hardcover version of the book. Write and solve an equation to find the hardcover cost of the book.

15. During a recent trip to the gym, you worked out with free weights and rode a stationary bike. You used a stationary bike for 28 minutes of the 75 minutes you spent at the gym. Write and solve an equation to find the number of minutes you spent working out with free weights.

16. The left- and right-hand margins on a sheet of paper are both 1.25 inches wide. The total width of the sheet of paper is 8.5 inches. Write and solve an equation to find the width of the text area that lies between the margins.