Solving One Variable Equations

To undo an equation you always do the _____ to **BOTH** sides of an equation.

Properties of Equality: If you add, subtract, multiply, or divide the same number to BOTH sides of the equation you create an _____. (i.e. if $a = b$ then $a + c = b + c$)

Operation	+	−	×	÷
Inverse				

Solve the equation. Check your solution.

$k + 3 = 1$ $\qquad\qquad$ $s - 8 = -17$ $\qquad\qquad$ $\dfrac{a}{8} = 6$ $\qquad\qquad$ $9y = -54$

$12y = -144$ $\qquad\qquad$ $c \div 10 = 15$ $\qquad\qquad$ $6 = y + 9$ $\qquad\qquad$ $n - 10 = 4$

You eat 8 blueberries and your friend eats 11 blueberries from a package. There are 23 blueberries left. Write and solve an equation to find the number of blueberries in a full package.

You and four friends buy tickets to a baseball game. The total cost is $70. Write and solve an equation to find the cost of each ticket.