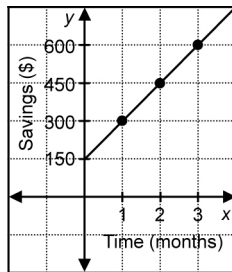


Practice: Solve One- and Two-Step Linear Equations

- Identify the operation (addition, subtraction, multiplication, or division) required to undo the operation in each linear equation.
 - $9x = 81$
 - $m + 1 = 4$
 - $n - 3 = 0$
 - $6 = s - 5$
 - $\frac{r}{4} = 5$
 - $-2 = y + 1$
- Solve each equation from question 1.
- Solve each linear equation.
 - $5x = -25$
 - $\frac{y}{3} = 4$
 - $r + 1 = 10$
 - $m - 0.6 = 0$
 - $-1 = t - 4$
 - $-5 = n + 1$
- Solve each linear equation.
 - $-60 = 15x$
 - $27 = -\frac{y}{3}$
 - $10 = 2x$
 - $-3m = -36$
 - $t + 1 = 0$
 - $0 = n - 1$
- List the steps required to solve each linear equation.
 - $2x - 10 = 26$
 - $\frac{m}{5} + 6 = 11$
 - $2r + 3 = 21$
 - $3m - 2 = 7$
 - $-2 = 3t - 5$
 - $0 = 5n - 1$
- Solve each linear equation.
 - $20 - 3x = 29$
 - $\frac{4}{y} - 5 = -1$
 - $1 - 2z = -13$
 - $3m + 24 = 0$
 - $-7 = 2t - 21$
 - $27 = 4r - 5$
- Kellie has only \$5.25 to buy breakfast. She wants to buy as many carrot muffins as she can. Each muffin costs \$0.75.
 - Write an equation showing the relationship between the total cost in dollars, C , and the number of muffins purchased, M .
 - If Kellie wanted to buy 10 muffins, how much money would she need?
 - If Kellie's budget was increased to \$9.75, how many muffins can she purchase?
 - Suppose the price of muffins doubled. Re-write the equation from part a) to show the new relation.
- Marty opened a bank account with \$150. Each month he deposits his allowance into the bank account. The graph below shows his savings for each month.
 
 - Write an equation in the form of $y = mx + b$ for the relation.
 - What do the values of m and b represent?
 - How much will Marty have after 10 months?
 - If Marty wants to save up \$3000 for college, how many months will he have to save?