

Questions taken from MathLinks 7 Practice and Homework Book

11.2 #5, 6, 9

Solve by inspection or by using the opposite operation. Show your work (or state "by inspection").

a. $b + 5 = 8$

b. $y - 6 = 10$

c. $12 = g + 7$

d. $m - 3 = 9$

e. $c - 8 = 11$

f. $f + 9 = 12$

g. $17 = d + 12$

h. $9 = p - 15$

i. $s + 5 = 10$

j. $y - 6 = -3$

k. $t + 8 = 14$

l. $14 = b - 10$

11.3 #5-6

Solve by inspection.

a. $3x = 15$

b. $8g = 64$

c. $\frac{y}{2} = 5$

d. $7 = \frac{d}{5}$

11.3 #8, 11

Solve by using the opposite operation.

a. $3x = 21$

b. $\frac{d}{5} = 12$

c. $3 = \frac{s}{14}$

11.3 #7, 10

By what number would you divide both sides of each equation to solve it?

a. $6e = 36$

b. $5k = 40$

By what number would you multiply both side of the equation to solve it?

a. $8 = \frac{x}{7}$

b. $21 = \frac{j}{5}$

Solving Equations Assignment

11.3 #13, 14

Show whether or not $x = 6$ is the solution to each equation.

a. $6x = 36$

b. $7x = 49$

Show whether or not $a = 10$ is the solution to each equation.

a. $100 = \frac{a}{10}$

b. $\frac{a}{2} = 5$

11.4 #5 – 8

What operation do you do first to solve each equation? What operation do you do second?

	a. $7x + 4 = 18$	b. $8s - 10 = 54$	c. $17 = 6y - 7$	d. $33 = 6 + 3h$
First operation:				
Second operation:				

Solve each equation using the reverse order of operation. Show your steps, and check your answer.

a. $4y - 7 = 37$

b. $6m + 13 = 55$

c. $78 = 15a - 12$

d. $131 = 11 + 6w$

Show whether or not $x = 5$ is the solution to each equation.

a. $8x + 8 = 48$

b. $5x - 2 = 25$