

Practice 6-1

Solving Two-Step Equations

Solve each equation.

1. $4r + 6 = 14$

2. $9y - 11 = 7$

3. $\frac{m}{4} + 6 = 3$

4. $\frac{k}{-9} + 6 = -4$

5. $-5b - 6 = -11$

6. $\frac{v}{-7} + 8 = 19$

7. $3.4t + 19.36 = -10.22$

8. $\frac{n}{-1.6} + 7.9 = 8.4$

9. $4.6b + 26.8 = 50.72$

10. $\frac{a}{-8.06} + 7.02 = 18.4$

11. $-2.06d + 18 = -10.84$

12. $\frac{e}{-95} + 6 = 4$

Write and solve an equation to answer each question.

13. Hugo received \$100 for his birthday. He then saved \$20 per week until he had a total of \$460 to buy a printer. Use an equation to show how many weeks it took him to save the money.

14. A health club charges a \$50 initial fee plus \$2 for each visit. Moselle has spent a total of \$144 at the health club this year. Use an equation to find how many visits she has made.

Solve each equation to find the value of the variable. Write the answer in the puzzle. Do not include any negative signs or any decimal points.

Across

1. $6n - 12 = 2.4$

2. $\frac{n}{3} + 4.6 = 21.6$

4. $x - 3 = 51.29$

6. $2z + 2 = 7.6$

Down

1. $\frac{j}{5} - 14 = -9$

2. $3x - 2 = 169$

3. $\frac{x}{4} + 1 = 19$

4. $\frac{x}{3} + 4 = 22$

5. $2x - 2 = 182$

1.			2.	
		3.		
4.			5.	
			6.	