

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

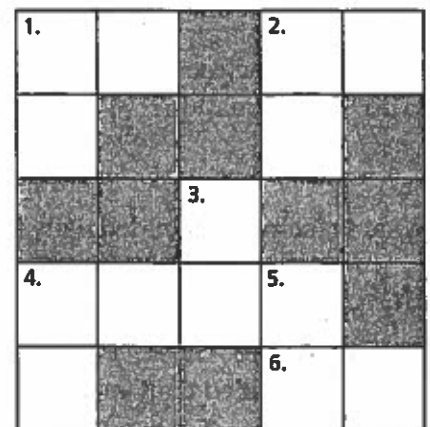
1. $\frac{j}{5} - 14 = -9$

2. $3x - 2 = 169$

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

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

5. $2x - 2 = 182$



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Puzzle 6-1

Solving Two-Step Equations

The electronic menu board in the cafeteria is on the fritz. The prices are shown but the item names are missing. Find the prices of the missing items. Write an equation to help you.

1. Mary bought two doughnuts and a carton of milk for \$2.87. The carton of milk was \$1.29. How much is one doughnut?

equation _____

price of a doughnut _____

2. Samuel bought three hot dogs and a package of chips for \$5.35. the chips were 85 cents. How much is one hot dog?

equation _____

price of a hot dog _____

3. Fred bought a burger and two orders of fries for \$6.50. One order of fries is \$1.50. How much was the burger?

equation _____

price of a burger _____

4. Marcus bought a bowl of cereal and two bananas for \$3.75. The cereal was \$1.25. How much is one banana?

equation _____

price of one banana _____

5. Olivia bought a yogurt and two bagels for \$2.45. The yogurt was ninety-five cents. How much is one bagel?

equation _____

price of one bagel _____

6. George bought nachos and two granola bars for \$4.95. The nachos were \$2.75. How much is one granola bar?

equation _____

price of one granola bar _____

7. Alicia bought two slices of pizza and a bottle of juice for \$4.95. The juice was \$1.65. How much is one slice of pizza?

equation _____

price of a slice of pizza _____

Electronic Menu Board

.....	\$1.50
.....	\$1.65
.....	\$.75
.....	\$1.10
.....	\$3.50
.....	\$.79
.....	\$1.25

