

Algebra: One-Step

Algebra · Grade 6

◆ Medium · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. A number tripled and then decreased by 9 equals 18. Write and solve the equation.

Answer: _____

2. Solve: $15 - 2y = 7$

Answer: _____

3. A student bought 4 books and spent \$24, leaving her with \$12. How much did she start with?

Answer: _____

4. Solve: $2x + 5 = 17$

Answer: _____

5. Solve: $3n - 4 = 11$

Answer: _____

6. Solve: $y/3 + 2 = 8$

Answer: _____

7. Solve: $4(x + 2) = 28$

Answer: _____

8. Three times a number minus 7 is 14. Find the number.

Answer: _____

9. Solve: $6 = 18 - 2k$

Answer: _____

10. Five less than twice a number is 13. Find the number.

Answer: _____

Answer Key

Algebra: One-Step — Medium

1. $3n - 9 = 18; n = 9$

Add 9: $3n=27$. Divide by 3: $n=9$.

2. $y = 4$

$-2y=7-15=-8$. $y=4$.

3. $x = \$36$

$x-24=12$. $x=36$.

4. $x = 6$

Subtract 5: $2x=12$. Divide by 2: $x=6$.

5. $n = 5$

Add 4: $3n=15$. Divide by 3: $n=5$.

6. $y = 18$

Subtract 2: $y/3=6$. Multiply by 3: $y=18$.

7. $x = 5$

Divide by 4: $x+2=7$. Subtract 2: $x=5$.

8. $n = 7$

$3n-7=14$. Add 7: $3n=21$. Divide by 3: $n=7$.

9. $k = 6$

Subtract 18: $-12=-2k$. Divide by -2 : $k=6$.

10. $n = 9$

$2n-5=13$. Add 5: $2n=18$. Divide by 2: $n=9$.