

Algebra: Multi-Step

Algebra · Grade 7

◆ Medium · 10 Questions

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

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

Answer: _____

2. Solve: $3y - 8 = 16$

Answer: _____

3. Solve: $x/3 + 4 = 10$

Answer: _____

4. Solve: $4m - 7 = 25$

Answer: _____

5. Solve: $2(x + 3) = 14$

Answer: _____

6. Solve: $5(x - 2) = 30$

Answer: _____

7. Solve: $n/5 - 3 = 7$

Answer: _____

8. Solve: $7x + 3 = 3x + 19$

Answer: _____

9. Solve: $2(3x - 1) = 4x + 10$

Answer: _____

10. Solve: $6x - 5 = 2x + 11$

Answer: _____

Answer Key

Algebra: Multi-Step — Medium

1. $x = 6$

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

2. $y = 8$

Add 8: $3y=24$. Divide by 3: $y=8$.

3. $x = 18$

Subtract 4: $x/3=6$. Multiply by 3: $x=18$.

4. $m = 8$

Add 7: $4m=32$. Divide by 4: $m=8$.

5. $x = 4$

Divide by 2: $x+3=7$. Subtract 3: $x=4$.

6. $x = 8$

Divide by 5: $x-2=6$. Add 2: $x=8$.

7. $n = 50$

Add 3: $n/5=10$. Multiply by 5: $n=50$.

8. $x = 4$

$4x=16$. $x=4$.

9. $x = 6$

$6x-2=4x+10$. $2x=12$. $x=6$.

10. $x = 4$

Subtract 2x: $4x-5=11$. Add 5: $4x=16$. Divide: $x=4$.