

WORKSHEET

Multi step equations

Unsolved with Answer key



WORKSHEET

Multi step equations

Question 1. Solve $3x + 5 = 2x + 12$.

Question 2. Solve $4(y - 2) = 3y + 6$.

Question 3. Solve the equation: $5z + 7 = 3z + 19$.

Question 4. Solve $2a + 3(a + 4) = 21$.

Question 5. Solve the equation: $6b - 4 = 2(b + 7)$.

Question 6. Solve $7c + 5(2c - 1) = 28$.

Question 7. Solve $8d - 3 = 5d + 15$.

Question 8. Solve the equation $9e + 4 = 2(3e + 7)$.

Question 9. Solve $10f - 6(f - 2) = 12$.

Question 10. Solve $2g + 3g + 4 = 5g + 10$.

Answer Key

Multi step equations

Answer 1 : $x = 7$

Answer 2 : $y = 14$

Answer 3 : $z = 6$

Answer 4 : $a = 9/5$ or $a=1.8$

Answer 5 : $b = 18/4$ or $b=4.5$

Answer 6 : $c = 33/17$ or $c \approx 1.94$

Answer 7 : $d = 6$

Answer 8 : $e = 10/3$ or $e \approx 3.33$

Answer 9 : $f = 0$

Answer 10 : Subtract $5g$ from both sides: $4=10$. Since this statement is false, it means that there is no solution for g . The equation is inconsistent.