



One-Step Equations: Addition & Subtraction

Procedure:

Goal: To isolate the variable by doing the reverse operation

1. If the variable is added with a number, then subtract the number on both sides of the equations (in the aim of isolating the variable).
2. Similarly, if the variable is subtracting a number, then add that number to both sides of the equation.

Examples:

$x + 2 = 7$	$y - 5 = 3$
$-2 = -2$	$+5 = +5$
$x = 5$	$y = 8$

Practice: Solve the following equations.

1. $x + 4 = 5$

2. $z - 1 = 3$

3. $b + 5 = 5$

4. $y - 3 = 4$

5. $s - 7 = 0$

6. $n - 6 = 3$

7. $8 = -4 + x$

8. $-1 = b - 15$

9. $-15 = -11 + v$

10. $x + 4 = -1$

11. $z - 1 = -4$

12. $20 = k + 5$