

Solving One-Step Equation

ADD AND SUBTRACT WITH DECIMALS

HELPFUL EXAMPLES

$$x - 2.5 = 4.4$$

WE NEED TO FIND A VALUE FOR "x" THAT WILL MAKE THE EQUATION TRUE.

$$x - 2.5 = 4.4$$

THE EASIEST WAY TO FIND THE ANSWER IS TO GET THE NUMBERS AND VARIABLES ON OPPOSITE SIDES OF THE EQUAL SIGN. IF WE MOVE THE -2.5 ALL THE NUMBER WILL BE ON THE RIGHT SIDE AND "x". THE VARIABLE WILL BE ON THE LEFT.

$$x - 2.5 = 4.4$$

$$+2.5 = +2.5$$

$$x - 0 = 6.9$$

$$x = 6.9$$

TO MOVE A NUMBER OR VARIABLE, WE NEED TO DO THE OPPOSITE OPERATION, SINCE WE ARE MOVING THE -2.5, WE NEED TO DO THE OPPOSITE TO BOTH SIDES. THE OPPOSITE OF -2.5 IS +2.5. SO ADD +2.5 TO BOTH SIDES.

Now your turn. Solve each equation.

1. $x + 2.8 = -3.4$

2. $1.8 + w = 8.2$

3. $2.2 = -3.6 + y$

4. $-7 + b = -5.3$

5. $-4.2 = m - 6.5$

6. $-3.3 = x + 3.1$

7. $1 = 7.4 + s$

8. $-0.8 = 5.2 + t$

9. $6.7 = 4.6 + g$

10. $k + 1.8 = -3.5$

11. $h - 3.3 = 7.2$

12. $-8.9 = b - 6.9$

13. $9.8 + s = 0.4$

14. $m + 5 = -2.1$

15. $6.6 + b = 4.1$

