Solving One-Step Equation
ADD AND SUBRACT 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.
ANSWER:

1. $$x + 2.8 = -3.4$$
    $$- 2.8 = -2.8$$
    $$x - 0 = -6.2$$
    $$x = -6.2$$

2. $$1.8 + w = 8.2$$
    $$w = 6.4$$

3. $$2.2 = -3.6 + y$$
    $$y = 5.8$$

4. $$-7 + b = -5.3$$
    $$b = 1.7$$

5. $$-4.2 = m - 6.5$$
    $$m = 2.3$$

6. $$- 3.3 = x + 3.1$$
    $$x = -6.4$$

7. $$1 = 7.4 + s$$
    $$s = -6.4$$

8. $$-0.8 = 5.2 + t$$
    $$t = -6$$

9. $$6.7 = 4.6 + g$$
    $$g = 2.1$$

10. $$k + 1.8 = -3.5$$
    $$k = -5.3$$

11. $$h - 3.3 = 7.2$$
    $$h = 10.5$$

12. $$-8.9 = b - 6.9$$
    $$b = -2$$

13. $$9.8 + s = 0.4$$
    $$s = 9.4$$

14. $$m + 5 = -2.1$$
    $$m = -7.1$$

15. $$6.6 + b = 4.1$$
    $$b = -2.5$$

Level 1