

**\*Objective:**

**\*equation:**

**\*solution of an equation:**

Isolate a variable by using inverse operations, which “undo” operations on the variable.

To keep the balance, perform the same operation on both sides.



Solve each equation. Check your answer.

1a.  $n - 3.2 = 5.6$

1b.  $-6 = k - 6$

1c.  $16 = m - 9$



Solve each equation. Check your answer.

2a.  $d + \frac{1}{2} = 1$

2b.  $-5 = k + 5$

2c.  $6 + t = 14$



Solve each equation. Check your answer.

3a.  $-2.3 + m = 7$

3b.  $-\frac{3}{4} + z = \frac{5}{4}$

3c.  $-11 + x = 33$



4. **What if...?** Use the method above to find a person's age if the person's maximum heart rate is 185 beats per minute.

***Fitness Application***

A person's maximum heart rate is the highest rate, in beats per minute, that the person's heart should reach. One method to estimate maximum heart rate states that your age added to your maximum heart rate is 220.

*Properties of Equality		
*Words	*Numbers	*Algebra

Inclass: p. 21 #50, 64

Homework: p. 20-22 #21-59(odd)

Homework Help?