5.2 Addition and Subtraction Equations

Addition and subtraction are <u>INVERSE</u> OPERATION, which means that they undo each other.

Subtraction undoes addition. Use the Subtraction Property of Equality to keep the two sides of the equation balanced.

Addition undoes subtraction. Use the Addition Property of Equality to keep the two sides of the equation balanced.

Example: Solve. Identify whether you used the Addition Property of Equality.

1. x + 13 = 552. x + 13 = 553.) 20.34 + x = 20020.34 x = 55 - 13 x = 155 + 72 x = 42 x

Example: Solve each equation.

4.)
$$61 + x = 207$$
 $-61 + x = 207$
 $-61 + x =$

Example: Write and solve an equation.

11.) 12 less than a number is equal to 100.

$$N = 100 + 12$$
 $N = 100 + 12$
 $N = 100 + 12$

12.) A number increased by 15.2 is equal to 18.7.

$$M + 15.2 = 18.7$$

- 15.2 -15.2 $N = 3.5$
 $N = 18.7 - 15.2$

13.) There are 150 people at a concert. The ticket sales show that 95 of the attendees are students and the rest are parents. Write an addition equation to show the situation and find how many parents are at the concert.