

EQUATIONS AND INEQUALITIES

What Are Equations and Inequalities?

The algebraic representation of this is 22x = 110.



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• Equations are solved using the inverse operations. To solve the equation n - 52 = 38, look to see what operation is being performed in the problem, subtraction. The problem can be solved using the inverse operation of addition as the example shows:

n - 52 = 38 + 52 +52 n = 90

Since 52 was subtracted in the initial problem, it will be added with inverse operations. *The rule when dealing with equations is whatever is done to one side of the equation must be done to the other side*. So 52 is added to 38 on the





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Try This!

1. Translate into an algebraic equation:

Six times a number diminished two is twenty-eight.

A number increased by seven squared is fifty-four.

2. Solve if n = 3:

7 - n²

4n + 8



x - 12 > -36

8x < -128



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