

**The difference of ten and four times a number is equal to the product of negative nine and the number.**

Step 1: Define the variable, if necessary.

Step 2: Write the equation or inequality.

Step 3: Use the distributive property to get rid of any parentheses.

Step 4: Combine like terms separately on each side.

Step 5: Eliminate the variable from one side.

Step 6: Eliminate the constant term from the side with the variable using addition or subtraction.

Step 7: Cancel the coefficient using multiplication or division.

Step 8: Check the solution by substitution.

Step 9: Graph the solution on a number line.

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**Three times the sum of five times a number and two is equal to fifteen times the number.**

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**The product of negative two and the sum of four times a number and one is equal to two less than negative eight times a number.**

Step 1: Define the variable, if necessary.

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**Three less than eight times a number is more than the product of four and the sum of two times a number and three.**

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**Twice the difference of five times a number and one is less than or equal to the sum of seven and ten times a number.**

Step 1: Define the variable, if necessary.

Step 2: Write the equation or inequality.

Step 3: Use the distributive property to get rid of any parentheses.

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Step 9: Graph the solution on a number line.

**Five less than six times a number is under the sum of two times a number and eleven.**

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Step 4: Combine like terms separately on each side.

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