

6 Equations

Lesson objectives

I will solve equations using inverse operations

Lesson objectives Teachers' notes Lesson notes

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Dec 13-1:41 PM

Edit Start 100 ?

Press Start to begin.
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Nov 3-5:57 PM

To Solve Equations follow the following steps:

1. **Box** in the **variable expression**.
2. Do the **inverse** operation to both sides of the equation to **isolate** the variable.
3. Simplify
4. Get the **solution**.
5. **Check** the answer.

Nov 3-6:04 PM

Solving Addition Equations

$$\begin{array}{r} \boxed{x + 22} = 50 \\ -22 \quad -22 \\ \hline x = 28 \end{array}$$

1. Box in the variable expression.
2. Do the inverse operation to isolate the variable.
3. Do the same thing to the other side to keep the equation balanced.
4. Bring down the values of both sides.

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Always check your answer!

$$x + 22 = 50$$

$$28 + 22 = 50$$

$$50 \checkmark = 50$$

rewrite the original equation.

substitute the value you got for the variable.

evaluate

Solving Subtraction Equations

$$\begin{array}{r} \boxed{x - 56} = 19 \\ +56 \quad +56 \\ \hline \end{array}$$

$$x = 75$$

1. Box in the variable expression.
2. Do the inverse operation to isolate the variable.
3. Do the same to the other side to keep the equation balanced.
4. Bring down the values left on both sides.

Nov 14-9:02 PM

Nov 3-8:00 PM

Check your answer!

$$x - 56 = 19$$

$$75 - 56 = 19$$

$$19 \checkmark = 19$$

1. Rewrite the original equation.

2. Substitute the value you got when solving for the variable.

3. Evaluate.



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Mar 15-5:49 PM



Mar 15-5:55 PM