

Unit 2.1.notebook



One-Step Equations

Today's Learning Targets:

2.1 I can solve one-step equations

2.6 I can write and solve equations for real-life situations

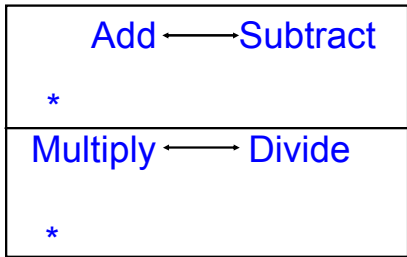
The goal is to _____ the _____.

How? _____

Inverse Operations

add 2	→	<input type="text"/>
subtract 4	→	<input type="text"/>
*add -7	→	<input type="text"/>
*subtract -19	→	<input type="text"/>
multiply by 8	→	<input type="text"/>
divide by -6	→	<input type="text"/>
*multiply by 1/4	→	<input type="text"/>
*divide by -2/3	→	<input type="text"/>

Inverse Operations



Solving Equations by Adding and Subtracting!

1. $x - 6 = 14$

Opposite Operation

2. $-8 = n - (-2)$

4. $17 = b - 3$

3. $8 + x = -16$

5. $d + -5 = 2$

Solving Equations by Multiplying and Dividing!

1. $3x = -24$

Opposite Operation

2. $\frac{x}{-2} = -7$

4. $\frac{x}{5} = -4$

3. $-4x = -24$

5. $2.7x = -18$

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Remember how to solve?

$$\frac{2}{3} \div \frac{8}{9} =$$

R _____ !!

Reciprocals create something called _____ of _____.

$$\frac{2}{3} \times \frac{3}{2} = \frac{6}{6} = \boxed{}$$

Use Reciprocals to solve.

$$\frac{2}{5}x = -2 \qquad \frac{-2x}{3} = -24$$

Unit 2.1.notebook

Story Problems...

You purchased 8 earbuds for all your friends for Christmas and paid \$104. How much did each pair cost?

1. Define your variable. What don't we know?
2. Write equation. What operation?
3. Solve. How do we isolate the variable?



On Tuesday you purchased 6 tickets for you and your friends to go to the new Star Wars Rogue One movie. On Wednesday you bought even more tickets. If you bought 13 tickets total, how many did you buy on Wednesday?

1. Define your variable. What don't we know?
2. Write equation. What operation?
3. Solve. How do we isolate the variable?