

The screenshot shows a game interface with a dark blue background and purple mountains. At the top, there is a 'Word' label, a timer set to 1:00, and a 'Description' label. Below these are two rows of empty rectangular boxes. On the left, there are eight yellow shields containing algebraic equations: $8 - 3n$, $3n - 8$, $5(n - 40)$, $2(n + 4)$, $2n + 4$, $6n + 3$, $5n - 40$, and $6(n + 3)$. In the center, a knight in white armor with a green cape is holding a sword and a shield, facing a large red dragon with black wings. On the right, there is a smartphone icon with a 'Got it' button and a star icon. Below the smartphone, there are two small red speech bubbles with text: 'Five times the remainder of number n minus 40' and '8 subtract the product of 3 and n'. The bottom of the screen has a light yellow background with falling leaves.

Oct 9-7:53 AM

Let's watch a short video clip to help us understand how this works.....

Press here!!!!

The screenshot shows a light yellow background with falling leaves. In the center, there is a video player icon (a blue circle with a white play button) and two black arrows pointing towards it from the left. Below the icon, the text 'Press here!!!!' is written in black. The bottom of the screen has a light yellow background with falling leaves.

Oct 12-9:40 AM

2.1 Solving One Step Equations with addition and subtraction.....

Goal: Isolate the variable.

Steps: 1. Use inverse operations to "undo" what is being done to the variable.

~Undo **addition with subtraction**
~Undo **subtraction with addition**

2. → WHAT YOU DO TO ONE SIDE OF THE EQUATION (=) YOU MUST DO TO THE OTHER SIDE TO KEEP IT BALANCED!!!!



Oct 12-4:08 PM

Ask yourself....."Self, what is being done to the variable? I need to UNDO that operation!"

Addition undoes Subtraction
Subtraction undoes Addition

Oct 12-9:40 AM

Ex: $t - 11 = 4$

Ex: $5 = d - 8$



SIMPLIFY FIRST!!!!

Ex: $a - (-3) = 7$

Ex: $a + 12 = 17$

Oct 12-4:20 PM

2.1 Solving one step equations.....with **Multiplication and Division!**

GOAL: Isolate the variable.

STEPS: Use inverse operations to "undo" what is being done to the variable.

- ~ Undo multiplication with division
- ~ Undo multiplying **by a fraction by multiplying by its reciprocal.....**
- ~ Undo division with multiplication



Again.....what you do to one side of the equation (=) you **MUST** do to the other to keep things balanced!!

Oct 14-7:27 AM

Undo Multiplication with division

EX 1: $5x = 30$

EX 2: $-3x = 2$

Undo Division with Multiplication

EX 3: $\frac{x}{3} = -25$

EX: $\frac{x}{8} = 5$

Oct 14-7:42 AM

Undo multiplying by a fraction by multiplying by its reciprocal!

EX 5: $\frac{-2x}{5} = 3$

EX 6: $14 = \frac{-7m}{8}$

Simplify FIRST!!!!

EX 7: $\frac{-1b}{2} = -(-5)$

Oct 14-7:47 AM

Simplify FIRST!!!

Ex: $-10 = x + 4$

Ex: $-16 = -9 + x$

Simplify FIRST!!!

Ex: $-x + 9 + 15 = 30 - 12$

Simplify FIRST!!!

Ex: $7 - (-a) = 14$

Ex: $-4 + b = 12$

Oct 13-7:14 AM



Equation solving Hoops game!

Students can go out to the wiki and click on the notes for today and find this link to a fun basketball game!

Press HERE!!!

Oct 12-9:57 AM