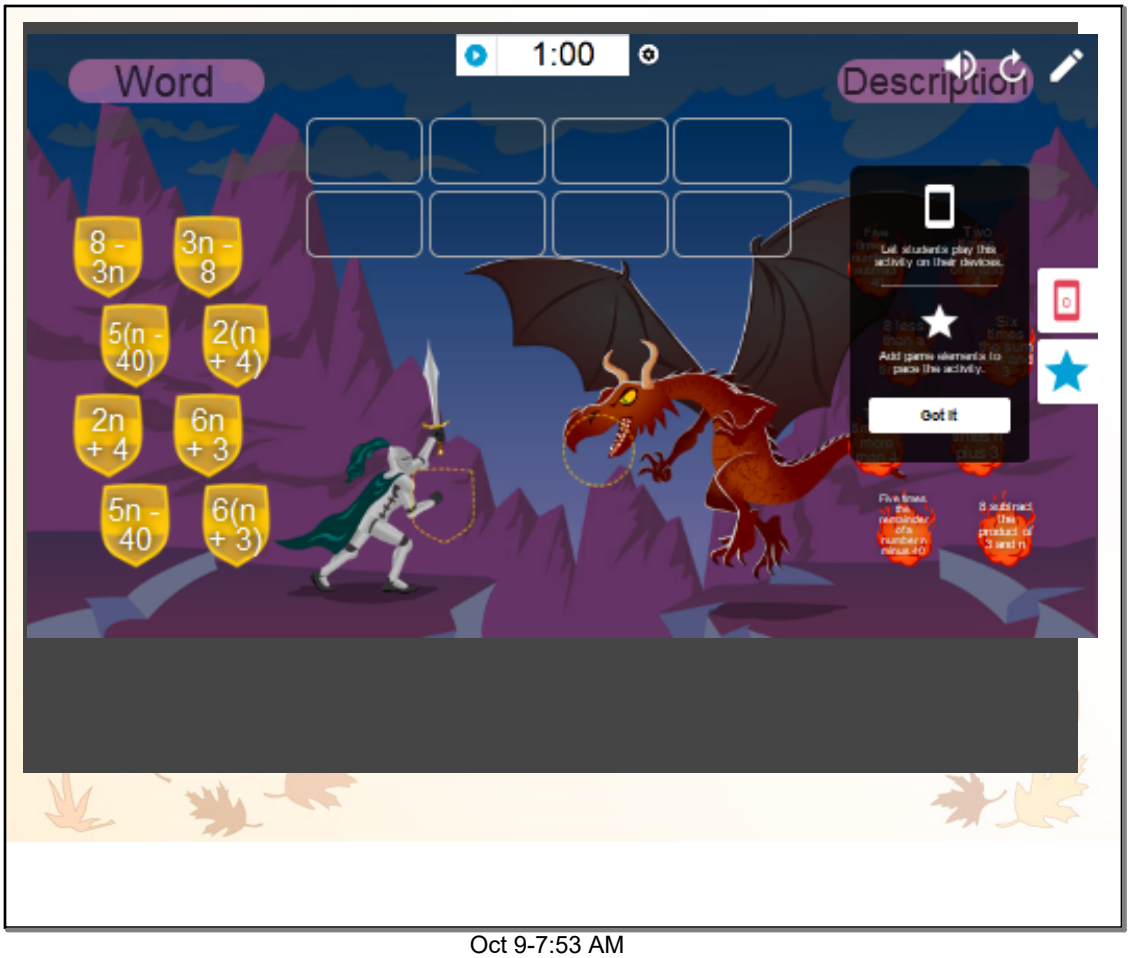


Oct 9-7:53 AM

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

Press here!!!!

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!!!

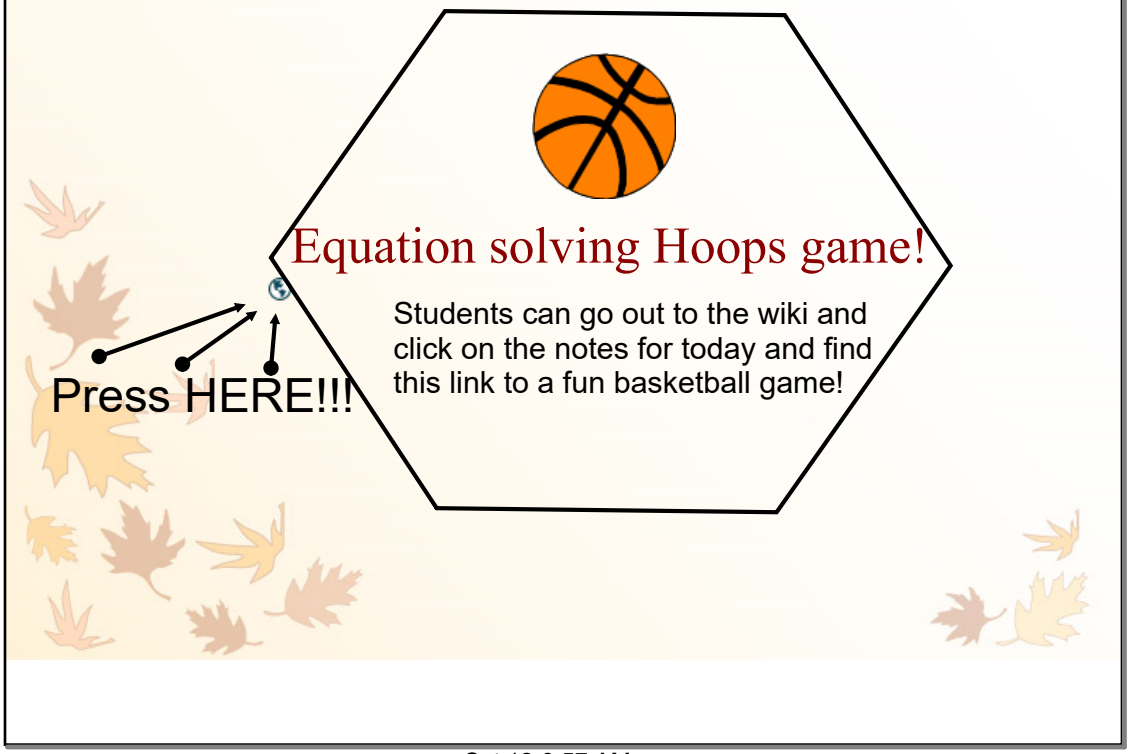
Ex: $-x + 9 + 15 = 30 - 12$

Simplify FIRST!!!

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

Ex: $-4 + b = 12$

Oct 13-7:14 AM



Oct 12-9:57 AM