

# SOLVING EQUATIONS

Common Core Standard 7.EE3 – Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.

Back to the basics, back to the algebra  
We about to learn solving equations  
No delaying,  $W - 2 = 23$   
We bout to solve this equation  
Just wait and see  
It's a one stepper, a simple one stepper  
Find the inverse first. To isolate the variable  
All you do is add, you gotta do the opposite of subtraction

So your mission is to do addition,  $w - 2 = 23$   
Add two to both sides, the two's cancel out on the left  
And 25's on the right  
Cause  $23 + 2$  is 25 so the value of  $w = 25$   
Yes, let's do another one  
You're sitting in your class like this is fun  
Hey,  $a + 22 = 30$   
You see plus 22 so you gotta subtract it  
From both sides, 30 minus 22 is 8  
Hey,  $a = 8$  that's great, now I can't wait  
To take out my notes and study today, yes  
I give thanks to my Music Notes  
I've never ever been this amused with notes

Back to the basics, back to the algebra  
We bout to learn solving equations  
No delaying.  $3x + 4 = 13$   
We bout to solve this equation  
Know what I mean  
It's a two stepper, a simple two stepper  
Find the inverse first, to isolate the variable  
Just subtract and divide  
You gotta do the opposite signs

We gotta take away 4 from both sides first  
It says + 4 so subtraction is the inverse  
So  $3x$  equals 9 now  
And divide 3 from both sides now  
 $3x$  means multiply so we gotta divide by three  
3 because it's the coefficient you see  
 $9$  divided by  $3 = 3$  so  $x = 3$  is the answer  
Piece... of cake  
After we do this one we'll take a break  
 $2x - 16 = 8$  add 16 to both sides great job  
 $2x = 24$  no prob  
Just go ahead and divide both sides by 2  
I got  $x = 12$  cause I know what to do  
Give thanks to my Music Notes  
I've never ever been this amused with notes

So I'm back to the basics  
Back to the algebra  
We bout to learn solving equations  
No delaying  
I can do any problem you put in front of me  
I'm bout to solve this equation  
Just wait and see  
It can be a one stepper  
It can be a two stepper  
I find the inverse first  
To isolate the variable  
I can add or subtract  
Multiply or divide  
That's right

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