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## Solving two step equations song

I asked my 7th graders what song they would like for me to write a math song. They chose Old Town Road from Billy Ray Cyrus and Lil Nas X. I changed the words to help them remember how to solve two-step equations. I asked my 7th graders what song they would like for me to write a math song. They chose Old Town Road from Billy Ray Cyrus and Lil Nas X. I changed the words to help them remember how to solve two-step equations. A collection of mathematical mnemonics for algebra - to help remember various mathematical facts, formulas and figures for algebra. In this lesson, we will have mnemonics and songs to help you remember how to solve the equation rules of a step exponents formula of simple interest formula away speed, distance, time and acceleration formulates the pending interception form of the linear equation how to multiply binomials - FOIL a problem word to solve the strategy of the quadratic formula Related Topics: More Math Mnemonics Algebra How to solve one-step equations? A song to teach you how to solve one-step equations. Doing the opposite reverse what you do on one side you have to copy it. solve by x or what the letter listens to me and your skills will improve Show Step-by-step Solutions What are the rules of exponents? A song to show you the old rules. When you multiply the numbers, exponents that have the same base, add the exponents and keep the same base. When you split the numbers with exponents that have the same base you subtract the exponents and keep the same base. When you take an exponent of an exponent, you multiply the exponents. When you see a negative exponent just put one on that number with a positive exponent. When they multiply, add the exponents. When divided, subtract the exponents. For an exponent of an exponent, it multiplies. For a negative exponent, take one on the positive. Show solutions step by step Interesting formula of simple interest =beginning  $\times$  rate  $\times$  time • And =prt read as I am nice Formula distance =speed  $\times$  time •d=rt remember how ground speed, Distance and time Remember formula triangle D =distance traveled S=Average Speed T=Time taken You can use formula triangle as follows: If you need to find D , cover D in the triangle and get S  $\times$  T If you need to find S , cover S in the triangle and get if you need to find T, cover up T in the triangle and get the following video shows how to use the average speed pyramid or triangle and acceleration triangle. Show linear equations of step-by-step solutions (slope-intercept form) Start, Move: using m and b in  $y = mx + b$  By graph line equation, start with the value of b, and then move it based on the value (slope) of m. This is the video form of a mnemonic device (memory) It can help students learn the important aspects of slope-intercept form ( $y = mx + b$ ) linear equations. Show step-by-step solutions By multiplying binomials Multiply the terms of two binomials in this order. For example  $(x-2)(x+1)$ , FOIL: First, Exterior, Inside, Last. Foil Song First, Outer, Inner, Last describes the F.O.I.L. method used to multiply binomials or trinomial factors. This song will help you remember the strategy as well as multiple examples of how it is used. Show step-by-step solutions S-T-A-R Word Troubleshooting Strategy Find word problem. Translate words into an equation. Answer the problem. Review the solution. Formula A quadratic song to remember the quadratic formula sung to the melody of Pop Goes the Weasel Here is the quadratic formula song on video. An easy way to remember the formula. Show step-by-step solutions Here is another version of the song to help you learn the quadratic formula and how to use it to solve quadratic equations. Show step-by-step solutions Try mathway's free calculator and troubleshooter below to practice various mathematical topics. Try the certain examples or type your own problem and check your answer with step-by-step explanations. We welcome your comments, comments and questions about this site or page. Please send us your comments or inquiries through our feedback page. There is no doubt that solving a two-step equation is extremely easy. As the name suggests, the two-step equations can be solved in just two steps. If this is your first encounter with two-step equations, don't worry because we'll go through enough examples to familiarize yourself with the process. When solving an equation in general, we always take into account the idea that what we do on one side of the equation should also be done on the other side to make sure the equation stays balanced. We know that we have completely solved a two-step equation if the variable, usually represented by a letter in an alphabet, is isolated on one side of the equation (either left or right) and the number is on the opposite side. Common way to solve a two-step equation: Note: This is the usual method for most two-step equations to be solved this way. Note that step 2 can also be replaced by step 3, which are the same essentially.1) First, add or subtract the two sides of the linear equation by the same number.2) Secondly, multiply or divide the two sides of the linear equation by the same number.3)\* Instead of step #2, both sides of the equation always multiply by the variable coefficient reciprocal. Examples of how to solve equations in two stepsExample 1: Fix two-step equation to As the name of this linear equation suggests, it requires two steps in order to solve it for the unknown variable. In general, the first step is to get rid of the farthest number of the term with a variable that is being solved. Then we remove the number closest to the variable. Variable, multiplying or dividing the variable. It is also called the coefficient of the term. The variable here is x. Our goal is to solve x by isolating it on one side of the equation. Keeping the variable left or right makes no difference. It's up to you! On this problem, let's keep it on the left side as it's already there. On the side (left side of the linear equation) where the variable is located, note that 2 is closer to variable x, and 5 is further away. This simple observation allows us to decide which number to remove first. It's obviously +5 because it's further between the two. The opposite of +5 is -5, this means that we will subtract both sides of the equation by 5.After removing 5 on the left side of the equation by subtracting the two sides by 5, it is time to get rid of the nearest number or directly attached to x which is 2 in 2x. Since 2 is multiplying the variable x, its opposite functioning is to divide by 2.After dividing the two parts by 2, we get the final answer or solution to the linear equation of two given steps. Just a quick reminder, it is considered resolved because the variable coefficient is only positive, +1.Example 2: Solve the two-step equation below. Our goal is to keep variable x on one side of the equation. It doesn't matter which side, but it's standard practice to keep the variable being resolved on the left side. Some algebra teachers may require you to keep the variable left and there is nothing with it. Personally, I don't care where the variable is held, either on the left or right, as long as the isolated variable on one side of the equation has a coefficient of +1.The first step is to remove the farthest number from variable x. Note that -3 is closer to x, while -8 is further away. Therefore, we can remove -8 by adding to its opposite which is +8.The second step is to get rid of the number closest to the variable x which is -3. Since -3 is multiplying variable x, its opposite functioning is to divide by -3. After splitting the two sides by -3, we solved the linear equation. Quick reminder, -3 divided by -3 equals +1.Example 3: Solve the two-step equation below. Here is a situation where we can isolate the variable x on the right side of the equation as it is already there. As for the right side of the equation where the variable is located, the number 3 is closer to x because 3 is dividing variable x. On the other hand, number 26 is further away. This implies that you have to deal with +26 subtracting both sides of the equation by 26. The reason we subtract is that the reverse additive of +26 is -26.The second step is to get rid of denominator 3. Since 3 is dividing the x, its opposite functioning is to multiply by 3.After multiplying both sides to we have come to the final answer. You can retype your final answer as  $x = -9$ .Example 4: Solve the two equations below. This may sound like a several-step equation, but it isn't. It can be solved in two steps. Do not bother with fractions because they are very easy to deal with. In this case, the fraction addition rule will be applied. The rule states that if you are adding two fractions that have the same denominator, you just need to add the numerators, and then copy the common denominator. Back to solve the above two-step equation, to remove the fraction on the left side that is  $\frac{1}{5}x - \frac{3}{10}$ , we will add  $\frac{3}{10}$  to both sides of the equation. The reason we are adding instead of subtracting is because the reverse additive of  $\frac{3}{10}$  is  $+\frac{3}{10}$ . After adding  $\frac{3}{10}$  to both sides, only  $\frac{1}{5}x$  remains on the left side. For the right side of the equation, we have  $\frac{9}{10} + \frac{3}{10} = \frac{12}{10}$ . All I've said above is just the first step. Now, moving on to the second step. Look at the variable coefficient x. It is  $\frac{1}{5}$  which means that its reciprocal is  $\frac{5}{1}$ . To finally solve the given equation, we will multiply the two sides of the equation by reciprocal of the coefficient of the variable in question. Here's the complete step by step solution: Practice with worksheets

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