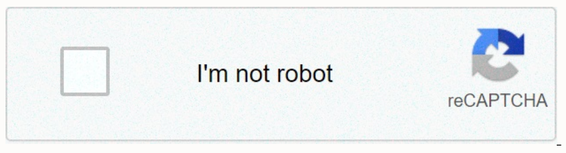
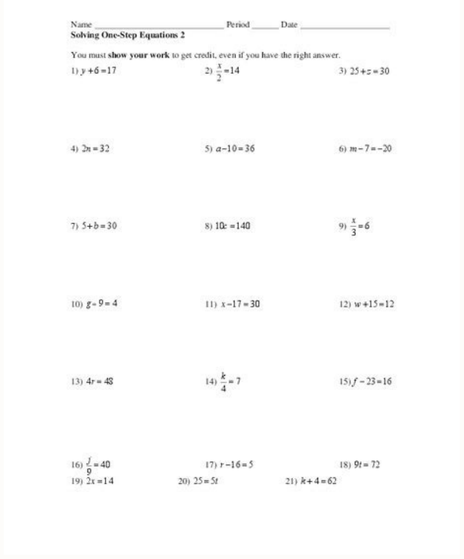


I'm not robot!

Solving one step equations worksheet

Solving one step equations worksheet multiplication division. Solving one step equations worksheet worksheetworks.com answer key. Solving one step equations worksheet with examples. Solving one step equations worksheet positive numbers. Solving one step equations worksheet adding and subtracting. Solving one step equations worksheet corbettmaths. Solving one-step equations worksheet pdf 6th grade. Solving one step equations worksheet tes. Solving one step equations worksheet answer key. Solving one step equations worksheet pdf. Solving one step equations worksheet coloring. Solving one step equations worksheet pdf no negatives. Solving one step equations worksheet no negatives. Solving one step equations worksheet answers. Solving one step equations worksheet 6th grade.



Name _____ Period _____ Date _____

Solving One-Step Equations 2

You must **show your work** to get credit, even if you have the right answer.

1) $y+6=17$ 2) $\frac{x}{2}=14$ 3) $25+z=30$

4) $2n=32$ 5) $a-10=36$ 6) $m-7=-20$

7) $5+b=30$ 8) $10c=140$ 9) $\frac{x}{3}=6$

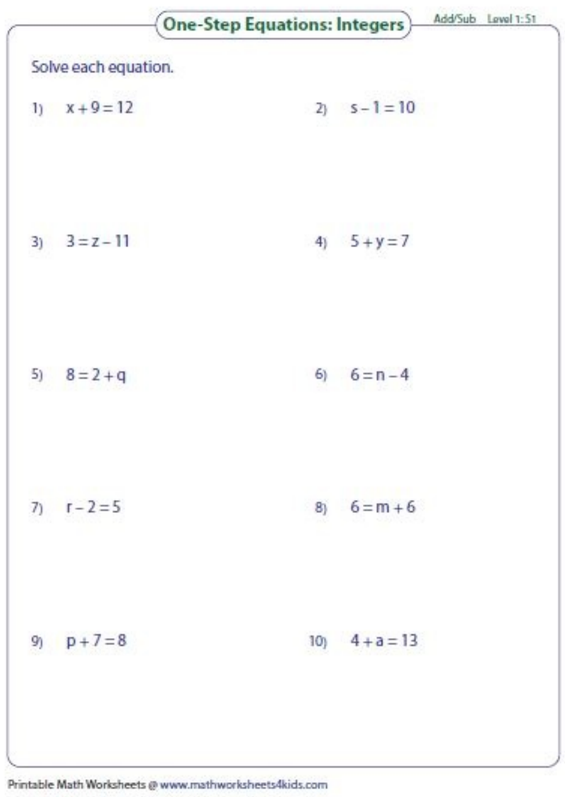
10) $g-9=4$ 11) $x-17=30$ 12) $w+15=12$

13) $4r=48$ 14) $\frac{k}{4}=7$ 15) $f-23=16$

16) $\frac{j}{9}=40$ 17) $r-16=5$ 18) $9t=72$

19) $2x=14$ 20) $25=5t$ 21) $k+4=62$

MathReadingKindergartenVocabularySpellingSpelling by GradeGrade 1Grade 2Grade 3Grade 4Grade 5Grammar & WritingScienceScience by GradeKindergartenGrade 1Grade 2Grade 3Cursive|Bookstore There are 10 problems for you to work on here with this skill. Solve for x in each problem.



Name : _____ Score : _____

One-Step Equations: Integers Add/Sub Level 1: S1

Solve each equation.

1) $x+9=12$ 2) $s-1=10$

3) $3=z-11$ 4) $5+y=7$

5) $8=2+q$ 6) $6=n-4$

7) $r-2=5$ 8) $6=m+6$

9) $p+7=8$ 10) $4+a=13$

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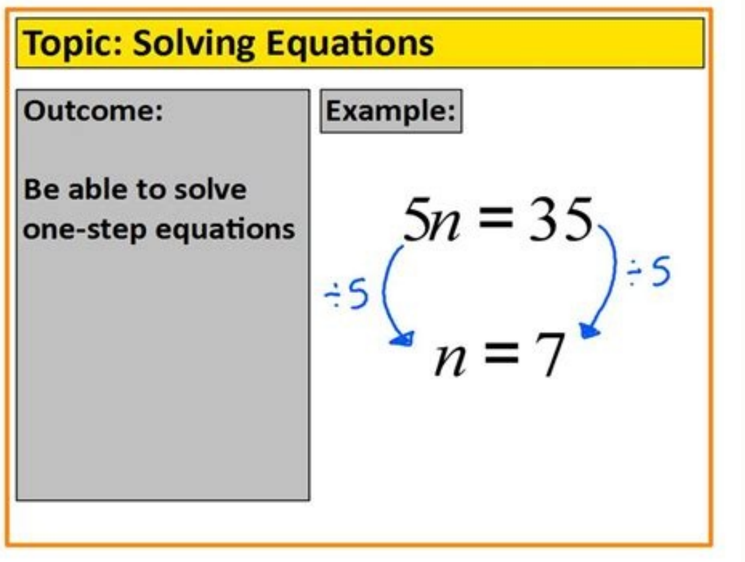
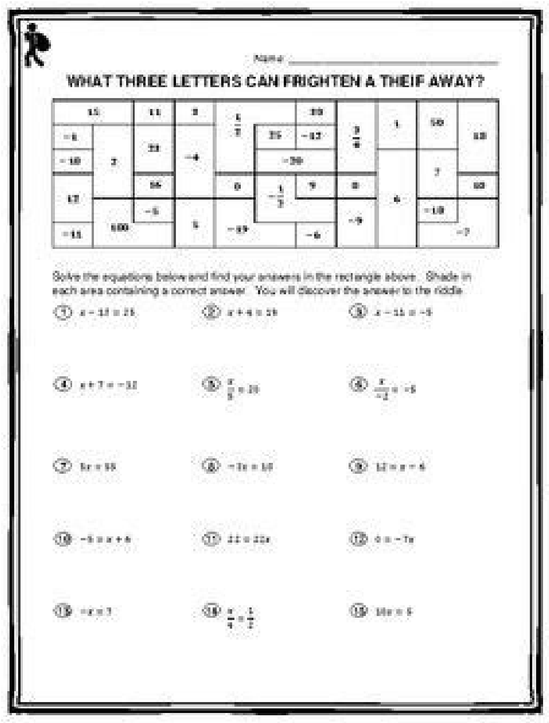
Example: x + 9 = 16 Remember to counter the operations that are present in the problem with the exact opposite operation.



Then you should be good to go.



Name: _____

WHAT THREE LETTERS CAN FRIGHTEN A THEIF AWAY?

Solve the equations below and find your answers in the rectangle above. Shade in each area containing a correct answer. You will discover the answer to the riddle.

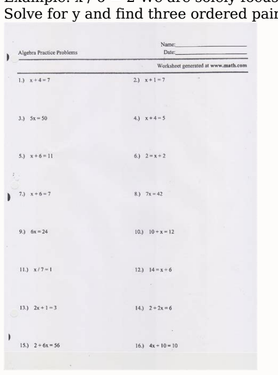
① $x - 12 = 25$ ② $x + 4 = 19$ ③ $x - 11 = -5$

④ $x + 7 = -12$ ⑤ $\frac{x}{3} = 20$ ⑥ $\frac{x}{-12} = -5$

⑦ $5x = 55$ ⑧ $-7x = 10$ ⑨ $12 = x - 6$

⑩ $-5 = x + 6$ ⑪ $22 = 22x$ ⑫ $0 = -7x$

⑬ $-x = 7$ ⑭ $\frac{x}{4} = \frac{1}{2}$ ⑮ $10x = 5$



Name:_____
Date:_____

Algebra Practice Problems

Worksheet generated at www.math.com

1.) $x + 4 = 7$ 2.) $x + 1 = 7$

3.) $5x = 50$ 4.) $x + 4 = 5$

5.) $x + 6 = 11$ 6.) $2 = x + 2$

7.) $x + 6 = 7$ 8.) $7x = 42$

9.) $6x = 24$ 10.) $10 + x = 12$

11.) $x / 7 = 1$ 12.) $14 = x + 6$

13.) $2x + 1 = 3$ 14.) $2 = 2x + 6$

15.) $2 + 6x = 56$ 16.) $4x + 10 = 10$

Example: x / 5 = 2 (Counter division with multiplication). These problems can be solved in one step. These are slightly more advanced problems, but at their core they are the same level of difficulty. Use your imagination! Example: - 5 + x = - 13 Now you want to counter a counter. Know the rules of integer based operations helps a great deal with these problems. Example: - 20 = x - 9 (Addition will always combat subtraction.) These lessons and worksheets will help your students learn and practice how to solve addition, subtraction, multiplication, and division equations that have one variable in them. You can make this happen, just think! Example: x / 7 = - 2 The numbers just happen to nicely fit together. Here is an example problem: 4x = 28. If students are having trouble, these are the one step equation you want them practicing with. Example: x + 9 = 16. Just subtract 9 from both sides. Just break out the multiplication symbols and they will get straightened up quickly.
Example: x / 6 = 2 We are solely focused on a single variable with these equations. The whole goal is to get the variable all alone by itself. Example: x + 10 = 14 We thought it would be important to include worksheets for the next level here too.
Solve for y and find three ordered pairs that are solutions to the given equation and using those, graph the equation: y = 3 - x These problems make students think at a higher level. The types of problems you will see: Find three ordered pairs that are solutions to the given equation. 2x + y = 2.

For each of these 10 problems, solve for y and find three ordered pairs that are solutions to the given equations. Then graph the equations using your answer. This particular sheet is specifically for advanced learners. The problems include: Solve for y and find solutions to the given equations and using those, graph the equations. 8 Problems to let them know where they stand with this skill. This can also be used as a quiz for this skill. Find three ordered pairs that are solutions to the given equation. Example: 2x - 5y = 2 An equation is a math statement that presents two equal values. We will often work with equation that have an unknown value which we often call a variable.
For example: x - 2 = 8. In this example x is the variable or the unknown.
To solve your basic equation, you need to find the value of this variable.
We can do this by finding a value for the variable that would make the overall math statement be true. Going back to our original equation: x - 2 = 8. We will need to find the value for x that would make this true. So, we are looking for a way to make the left side of the equation equal to 8. We can ask ourselves what value, when subtracted by 2, gives us 8. We can also just reverse the operation on the left to get x by itself. This would have us add 2 to both sides. When we add 8 and 2 we get a sum of 10. When we work through problems that only require us to make one move, we call these single step algebraic equations. As the name suggests, a one-step equation is an equation that can be solved in a single step. Since algebra is all about working with equations, you will often have to determine the value represented by a variable. Hence, it is after finding it that you can prove the equation to be true. Method 1: Addition or Subtraction Step 1: Write the Equation Down A typical equation usually consists of a variable. For instance: x-10 = 5 Here, the variable is x.
However, the value it represents is unknown to us. This brings us to the next step. Step 2: Find a Way to Isolate the Variable In order to isolate it, you must bring it to one side of the equation by applying an inverse operation. Here's what it means. In the equation x-10 = 5, bringing 10 on the other side of the equation entails that the sign will be reversed. So, if it was previously being subtracted, it will now be added to 5. x = 5 + 10 When you add 5 to 10, the result is 15.
Hence: x = 15 Step 3: Add or Subtract from Both Sides of the Equation Another way to find the value of the variable is by adding or subtracting the constant on both sides of the equation. Here's how. Original equation: x - 10 = 5 Adding on both sides: x - 10 + 10 = 5 + 10 Here, you attempt to keep both sides of the equation balanced. What you do on one side should also be repeated on the other side. Since -10 + 10 on the left side of the equation cancels itself out, you're left with: x = 5 + 10 Or x = 15 Method 2: Multiplication or Division Again, the variable here should represent an unknown value. However, this time, the equation might also include a coefficient or a number that needs to be multiplied by the variable. For example 3x = 18 Step 1: Apply the Reverse Operation Isolating the variable requires you to move 3 on the other side of the equation. This means it will now be divided by 18. Here's how: x = 18/3 Or x = 6 Step 2: Divide or Multiply on Both Sides of the Equation Similar to the first example, you will be required to keep both sides of the equation balanced. Since 3 is being multiplied by x, you must reverse the operation and keep both sides balanced. Here's how: 3x = 18 3x/3 = 18/3 On the left side of the equation, x will be left isolated once the "3s" cancel each other out. x = 18/3 Or x = 6 Method 3: Fraction Equations x/4 = 4 Step 1: Apply the Reverse Operation Here, since x is being divided by 4, reversing the operation entails that the variable will be isolated, and 4 will be moved to the other side of the equation. Here's how: x/4 = 4 Or x = 4x4 Or x = 16 Our Final Thoughts Now that we've dug deeper into how to solve one-step equations, it's safe to conclude that they're by far the easiest equations to solve. Through principles like "reverse operation" and "balancing each side," finding the values of the variables has turned out to be more interesting than ever. Remember, algebra is as enticing of a subject as you would like it to be. Through practice and adequate resources at hand, solving them can turn out to be your favorite pastime activity. In the end, make sure to double-check your solutions before submission. Addition, Subtraction,Multiplication & DivisionComplete the tables by substituting different numbers for variables.5th through 7th GradesExpressions & Equations MixedMore Pre-Algebra and AlgebraOn this page, you'll link to a variety of pre-algebra and algebra topics, including writing expressions, evaluating expressions, one-step and two-step equations, inequalities, and more.