

keep scrolling to get
a sneak peek!

Help your Algebra 1 students
practice **solving multistep
equations with variables on
one and both sides** with this
task card activity! Your students
are going to love this football
themed, self-checking activity!

SOLVING MULTISTEP EQUATIONS

20 TASK CARDS

Name: _____ Date: _____

ANSWER KEY

SOLVING MULTISTEP EQUATIONS TASK CARD RECORDING SHEET

Directions: Solve each equation. Use the boxes below to show your work.

#1 $8t + 5 = 6t + 1$
 $-6t -6t$
 $2t + 5 = 1$
 $-5 -5$
 $2t = -4$
 $\frac{2t}{2} = \frac{-4}{2}$
 $t = -2$

#2 $19 - 13p = -17p - 5$
 $+17p +17p$
 $19 + 4p = -5$
 $-19 -19$
 $4p = -24$
 $\frac{4p}{4} = \frac{-24}{4}$
 $p = -6$

#3 $9b = 6(b+4)$
 $9b = 6b + 24$
 $-6b -6b$

#5 $3(d+12) = 8 - 4d$
 $3d + 36 = 8 - 4d$
 $+4d +4d$
 $7d + 36 = 8$
 $-36 -36$
 $7d = -28$
 $\frac{7d}{7} = \frac{-28}{7}$
 $d = -4$

#6 $7(x+7) = 5x + 59$
 $7x + 49 = 5x + 59$
 $-5x -5x$
 $2x + 49 = 59$
 $-49 -49$
 $2x = 10$
 $\frac{2x}{2} = \frac{10}{2}$
 $x = 5$

#9 $\frac{3}{5}(x-5) = -6 \cdot \frac{5}{3}$
 $x-5 = -4$
 $+5 +5$
 $x = 1$

#10 $4 = \frac{2}{7}(4y-2)$
 $\cdot \frac{7}{2} \cdot \frac{7}{2}$
 $18 = 4y - 2$
 $+2 +2$
 $20 = 4y$
 $\frac{20}{4} = \frac{4y}{4}$
 $y = 5$

#11 $P+2 = 6$
 $3p - 3 = 6$
 $+3 +3$
 $3p = 9$
 $\frac{3p}{3} = \frac{9}{3}$
 $p = 3$

#12 $11w - 9 - 7w = 15$
 $4w - 9 = 15$
 $+9 +9$
 $4w = 24$
 $\frac{4w}{4} = \frac{24}{4}$
 $w = 6$

#19 Solve the equation.
 $\frac{3}{5}(5 + 10n) = 5$

#2 Solve the equation.
 $19 - 13p = -17p - 5$

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Answers printed on the back!

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Why do you need this?



Task cards are an effective, low-prep way to create engaging and interactive learning experience



Task cards are very versatile because they cater to a wide range of student needs

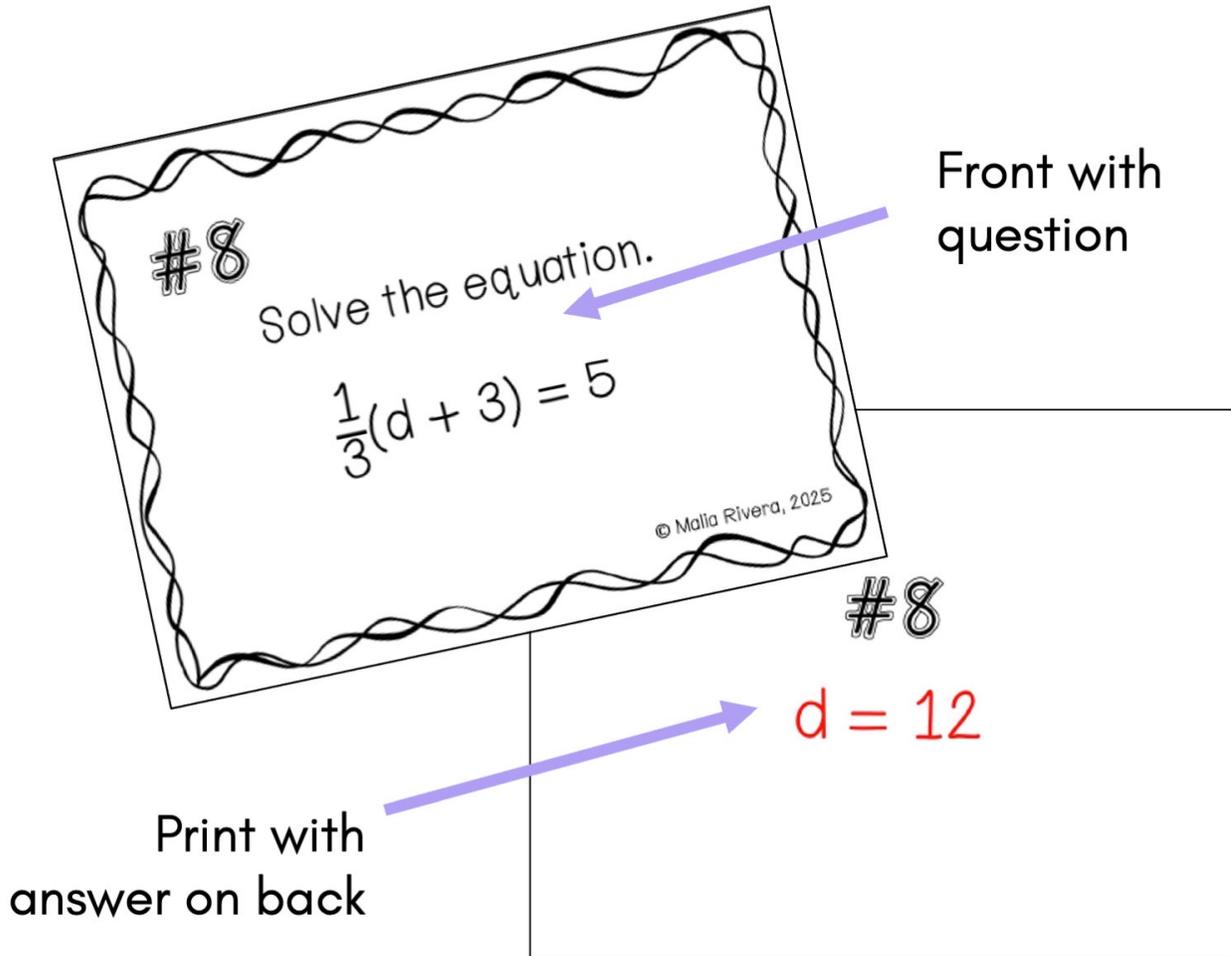
Solving Multistep Equations Task Cards

Name: _____ Date: _____ Pd: _____			
SOLVING MULTISTEP EQUATIONS TASK CARD RECORDING SHEET			
Directions: Solve each equation. Use the boxes below to show your work.			
#1	#2	#3	#4
#5	#6	#7	#8
#9	#10	#11	#12
#13	#14	#15	#16

#5
Solve the equation.
 $3(d + 12) = 8 - 4d$
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#15
Solve the equation.
 $3 + 4(y + 5) = 31$
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Solving Multistep Equations Task Cards *includes:*



- ✓ set of 20 task cards
- ✓ a recording sheet for students to show their work
- ✓ a detailed answer key
- ✓ Printing tips to print the answers on the back of the corresponding question cards

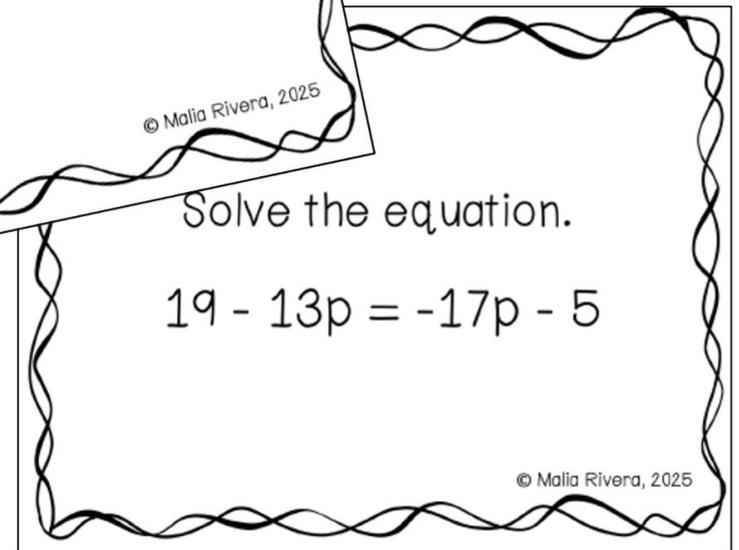
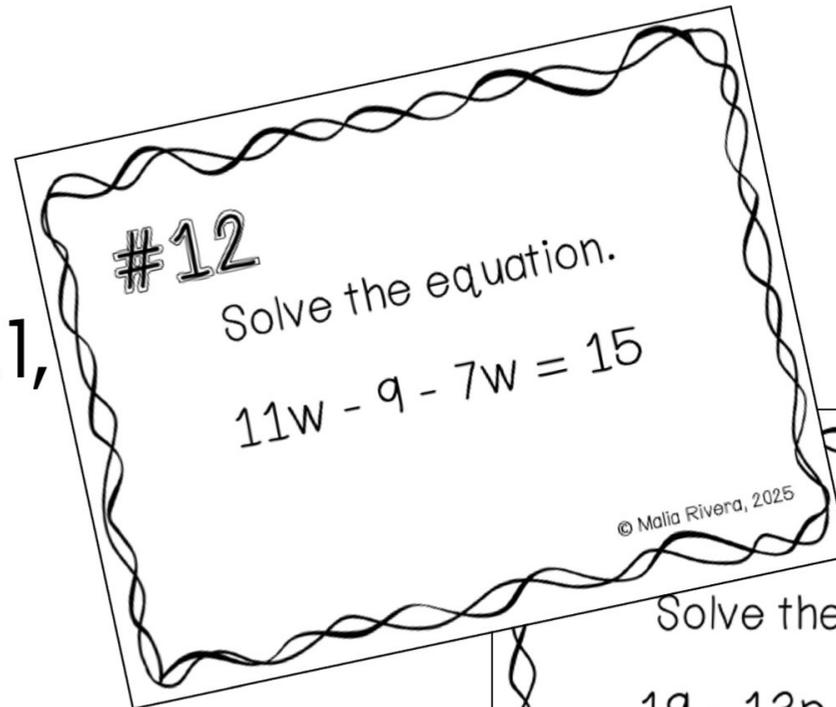
Solving Multistep Equations Task Cards

standards covered:

CCSS: 8.EE.C.7, HSA-REI.A.1,
HSA-REI.B.3

TEKs: 8.8.C

VA SOLs: PFA.8.17, EI.A.4.a



how to use this resource

This is a great individual practice activity to use when reviewing how to solving multistep equations on one and both sides.

You can also use this in small groups, match centers, or as a scavenger hunt.

This is also a **substitute-friendly** assignment!

Name: **ANSWER KEY** Date: _____ Pd: _____

SOLVING MULTISTEP EQUATIONS TASK CARD RECORDING SHEET

Directions: Solve each equation. Use the boxes below to show your work.

#1 $8t + 5 = 6t + 1$ $-6t \quad -6t$ $2t + 5 = 1$ $-5 \quad -5$ $2t = -4$ $\frac{2t}{2} = \frac{-4}{2}$ $t = -2$	#2 $19 - 13p = -17p - 5$ $+17p \quad +17p$ $19 + 4p = -5$ $-19 \quad -19$ $4p = -24$ $\frac{4p}{4} = \frac{-24}{4}$ $p = -6$	#3 $9b = 6(b + 4)$ $9b = 6b + 24$ $-6b \quad -6b$ $3b = 24$ $\frac{3b}{3} = \frac{24}{3}$ $b = 8$	#4 $5h - 7 = 2(h + 1)$ $5h - 7 = 2h + 2$ $-2h \quad -2h$ $3h - 7 = 2$ $+7 \quad +7$ $3h = 9$ $\frac{3h}{3} = \frac{9}{3}$ $h = 3$
#5 $3(d + 12) = 8 - 4d$ $3d + 36 = 8 - 4d$ $+4d \quad +4d$	#6 $+59$ 59	#7 $3(3n + 4) = 54 + 6n$ $9n + 12 = 54 + 6n$ $-6n \quad -6n$ $3n + 12 = 54$ $-12 \quad -12$ $3n = 42$ $\frac{3n}{3} = \frac{42}{3}$ $n = 14$	#8 $3\frac{1}{3}(d + 3) = 5 \cdot 3$ $d + 3 = 15$ $-3 \quad -3$ $d = 12$
#11 $2 + 2n - 3 = 6$	#12 $11w - 9 - 7w = 15$		

TIPS FOR USE

When printing this set of task cards, be sure to select "short-edged binding" when printing on both sides. This will allow the answers to be printing on the back of the corresponding card.

After printing, I highly recommend laminating the task cards to they can be used in the future.

8

Write the equation of the line in slope intercept form from the table.

x	y
6	1
4	2
2	3
0	4

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You may also enjoy ...

MULTISTEP EQUATIONS NUMBER OF SOLUTIONS Choice Board

Date: _____

Number of Solutions Choice Board
Choose _____ problems from each column. Solve each equation and determine how many solutions it has. Show your work in the boxes.

$3 = x + 6$	$8x = 4(2x + 1)$	3C
$+ 5x = 2x - 9$	$6(2y + 6) = 4(9 + 3y)$	
$5 - 7w = -7(w - 2)$	$3(d + 12) = 8 - 4d$	

ANSWER KEY

Name: _____ Date: _____

Number of Solutions Choice Board
Directions: Choose _____ problems from each column. Solve each equation and determine how many solutions it has. Show your work in the boxes.

$x + 3 = x + 6$ $-x \quad -x$ $3 \neq 6$ NO Solution	$8x = 4(2x + 1)$ $8x = 8x + 4$ $-8x \quad -8x$ $0 \neq 4$ NO Solution	
$12 + 5x = 2x - 9$ $-2x \quad -2x$ $+ 9x = -9$ $-12 \quad -12$ $3x = -21$ $\frac{3x}{3} = \frac{-21}{3}$ $x = -7$	$6(2y + 6) = 4(9 + 3y)$ $12y + 36 = 36 + 12y$ $-12y \quad -12y$ $36 = 36$ 3C Infinite Solutions	
$15 - 7w = -7(w - 2)$ $15 - 7w = -7w + 14$ $+7w \quad +7w$ $15 = 14$ NO Solution	$3(d + 12) = 8 - 4d$ $3d + 36 = 8 - 4d$ $+4d \quad +4d$ $7d + 36 = 8$ $-36 \quad -36$ $7d = -28$ $\frac{7d}{7} = \frac{-28}{7}$ $d = -4$	

Math with Ms. Rivera

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SOLVING MULTI-STEP EQUATIONS Digital Activity Bundle

Algebra

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SOLVING MULTISTEP EQUATIONS REVIEW

"S'Mitten About Math!"

Math with Ms. Rivera

Student work bulletin board

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check it out!

Answer Key
Name: _____ Date: _____
ADDING & SUBTRACTING RATIONAL EXPRESSIONS
Directions: Simplify each rational expression. Show your work.

Solving Systems of Equations
Date: _____
Solve each system of equations using substitution or elimination. Check your solution.
 $2x - 6y = -18$
 $x = 3y - 9$
 $2(3y - 9) - 6y = -18$
 $6y - 18 - 6y = -18$
 $-18 = -18$
infinitely many solutions

ANSWER KEY
Solving Systems of Equations
Date: _____
Solve each system of equations using substitution or elimination. Check your solution.
 $2x - 6y = -18$
 $x = 3y - 9$
 $2(3y - 9) - 6y = -18$
 $6y - 18 - 6y = -18$
 $-18 = -18$
infinitely many solutions

Multiplying & Dividing Rational Expressions
Date: _____
Directions: Multiply or divide the rational expressions. Show your work.

Rational Expression Operations - Addition & Subtraction
Directions: Answer each question and type the question number with the matching answer in the answer column to the right.

#	Question	Answer	Type the matching question numbers here
1	$\frac{5}{x} + \frac{3}{x+1}$	$\frac{2x+1}{x+2}$	
2	$\frac{2}{x+4} - \frac{x^2}{x^2-16}$	$-\frac{1}{x^2-1}$	
3	$\frac{x+2}{x^2+4x+4} + \frac{2x}{x+2}$	$\frac{2x^2+2x+5}{x^2+x-2}$	
4	$\frac{x}{x-2} + \frac{3}{x-1}$	$-\frac{x^2+2x-8}{x^2-16}$	
5	$\frac{x}{4x+8} - \frac{1}{x^2+2x}$	$\frac{8x+5}{x^2+1}$	
6	$\frac{x+2}{x-1} + \frac{x-1}{x+2}$	$\frac{x^2-3x+7}{x^2-4}$	
7	$\frac{2x+1}{x^2-4} + \frac{x-3}{x+2}$	$\frac{x^2+2x-6}{x^2-3x+2}$	
8	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

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hey there!

My name is Malia and I'm passionate about making learning and practicing math fun. I love creating engaging math resources for my students and I hope your students enjoy this activity too!

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