keep scrolling to get a sneak peek!

Help your Algebra students practice solving multistep equations to **find the number of solutions** with this task card activity! Your students are going to love this independent, self-checking activity!

MULTISTEP EQUATIONS NUMBER OF SOLUTIONS
12 Task Cards

ANSWERS PRINTED ON THE BACK!

Finding the Number of Solutions Task Cards

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

Name: **ANSWER KEY** _____ Date: _____ Class:_____

NUMBER OF SOLUTIONS OF MULTISTEP EQUATIONS TASK CARD RECORDING SHEET

Directions: Solve each equation to determine the number of solutions it has. Show your work in the spaces below.

#1
$W + 3 = W + 6$
$-W \quad -W$
$3 \neq 6$
NO Solution

#2
$16m = 22 + 5m$
$-5m \quad -5m$
$11m = 22$
$\frac{11m}{11} = \frac{22}{11}$
$m = 2$
One Solution

#3
$8c = 4(2c+1)$
$8c$
-8

#4
$12y + 6 = 6(2y + 1)$
$6 = 12y + 6$

#5
$12 + 5x = 2x - 9$
$-2x \quad -2x$
$12 + 3x = -9$
$-12 \quad -12$
$\frac{3x = -21}{3}$
$x = -7$

#6
$2 - 15n = 5(-3n + 2)$
$2 - 15n = -15n + 10$
$+15n \quad +15n$
$2 \neq 10$
No Solution

#7

#11
How many solutions does the equation have?
$4(x - 3) = -2(6 - 2x)$
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#11
$4(x-3) = -2(6-2x)$
$4x - 12 = -12 + 4x$
$-4x \quad -4x$
$-12 = -12 \checkmark$
Infinitely many Solutions

$-2x + 10$
$+2x \quad +2x$
$10 \neq 7$
No solution

#3
How many solutions does the equation have?
$8c = 4(2c + 1)$
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Finding the Number of Solutions Task Cards *includes:*

#8
How many solutions does the equation have?

$$2(3g + 2) = \frac{1}{2}(12g + 8)$$

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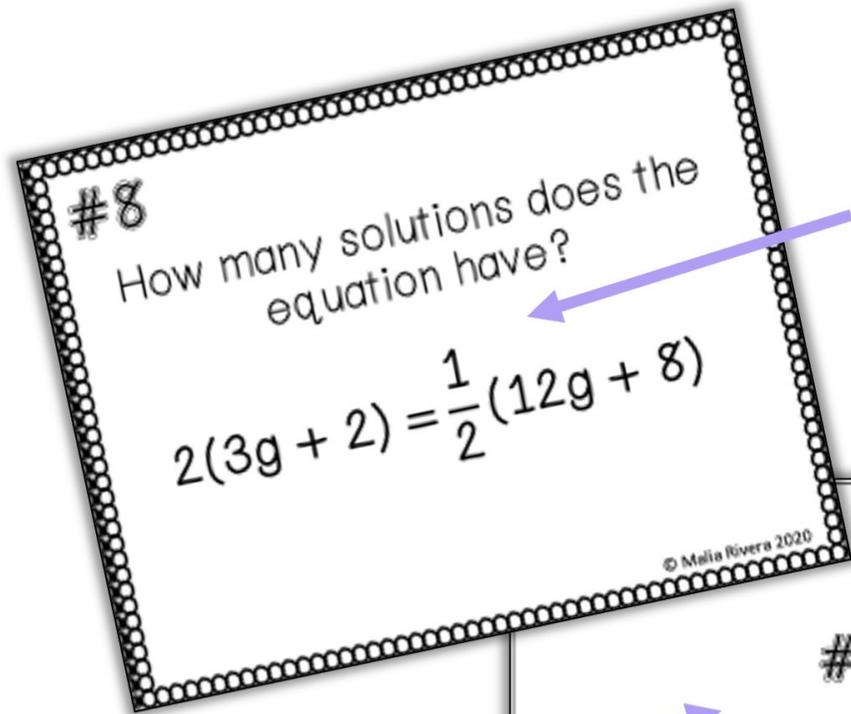
Front with question

#8
$$2(3g + 2) = \frac{1}{2}(12g + 8)$$
Infinitely Many Solutions

Print with answer on back

✅ set of 12 task cards

✅ a recording sheet for students to show their work

✅ a detailed answer key

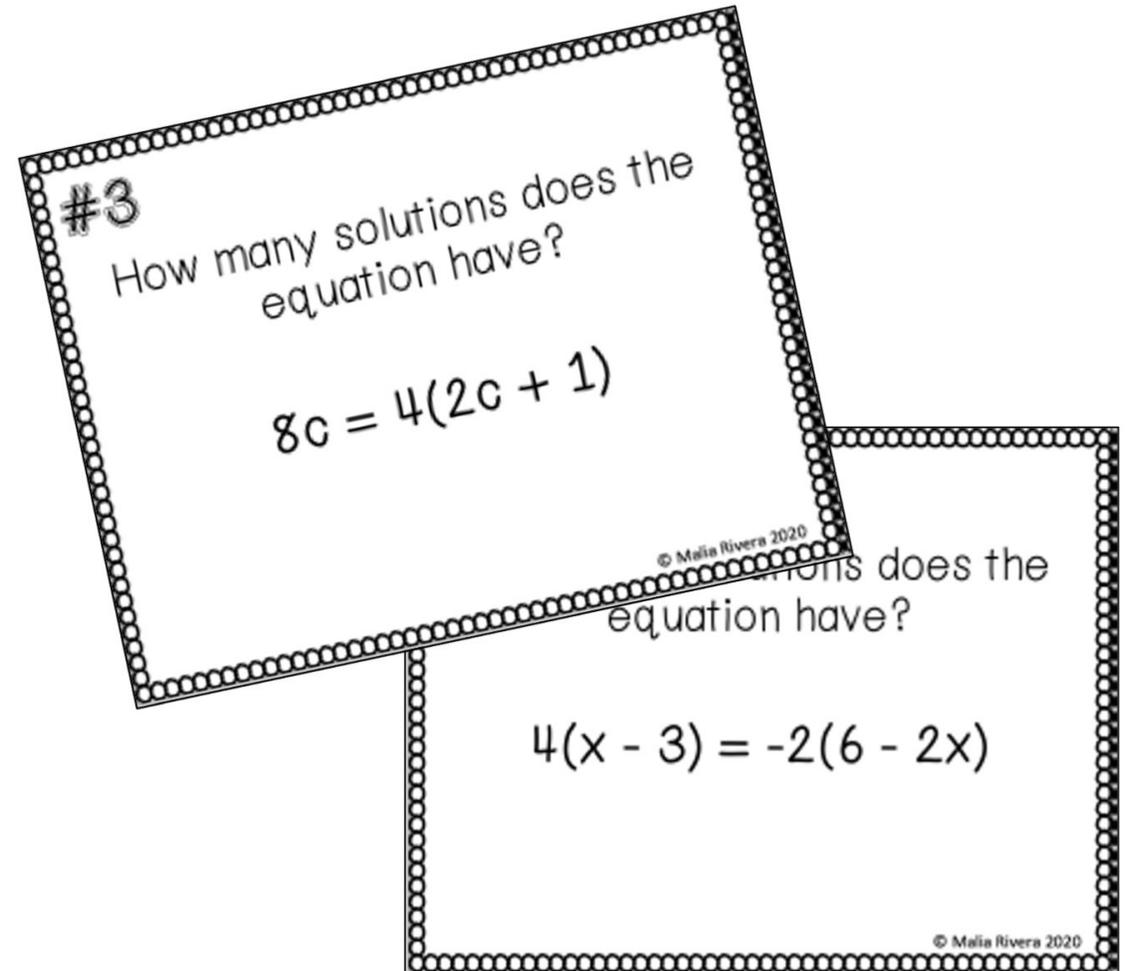✅ Printing tips to print the answers on the back of the corresponding question cards

Finding the Number of Solutions Task Cards

standards covered:

CCSS: HSA-REI.B.3

TEKs: A1.5.A

VA SOLs: EI.A.4.a

#3
How many solutions does the equation have?

$$8c = 4(2c + 1)$$

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...ions does the equation have?

$$4(x - 3) = -2(6 - 2x)$$

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how to use this resource

Name: _____ Date: _____ Class: _____

NUMBER OF SOLUTIONS OF MULTISTEP EQUATIONS TASK CARD RECORDING SHEET

Directions: Solve each equation to determine the number of solutions it has. Show your work in the spaces below.

#1	#2	#3	#4
#5		#7	#8
#11		#12	

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 ba[ck] of the corresponding card.

After printing, I highly recomm[end] laminating the task cards to th[ey] can be used in the future.

[...]r work on

#8

How many solutions does the equation have?

$$2(3g + 2) = \frac{1}{2}(12g + 8)$$

This is a great individual practice activity to use when reviewing how to find the number of solutions of multistep equations.

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

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

You may also *enjoy...*

MULTISTEP EQUATIONS NUMBER OF SOLUTIONS
Choice Board

MULTISTEP EQUATIONS VARIABLES ON BOTH SIDES
Self-Checking

SOLVING MULTISTEP EQUATIONS
Collaborative Tessellation
Student work bulletin board

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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