

SOLVING MULTISTEP EQUATIONS

keep scrolling to get a sneak peek!

Help your 8th grade or Algebra 1 students practice solving multi-step equations with variables on both sides. Students will be eager to get the self-checking benefits from this digital pixel art activity!

#	Question	Answer	Directions: Answer each question correctly and pixels will appear to reveal a picture! Write your answer in simplest form
1	$5(5x - 8) = 160$		
2	$-104 = 4p - 8 + 8p$		
3	$n - 3 + 8n = 17 + 4n$		
4	$6x - 9 - 9x = 15 + 4x - 3x$		
5	$40 + 9m = 7(1 + 6m)$		
6	$-9w - 34 = 10(10w - 3) - 4$		
7	$10(h + 6) = -4(-4h - 6)$		
8	$-3(2a - 5) = 7(1 - 2a)$		
9	$9(k + 8) = 47 + 4k$		
10	$30 + 3x = -7(x + 8) - 4$		

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Why do you need this?

Solving Multi-step Equations Pixel Art



It's self-checking! Your students will instantly know if they are correct or not.



Help your students practice this essential math skill.



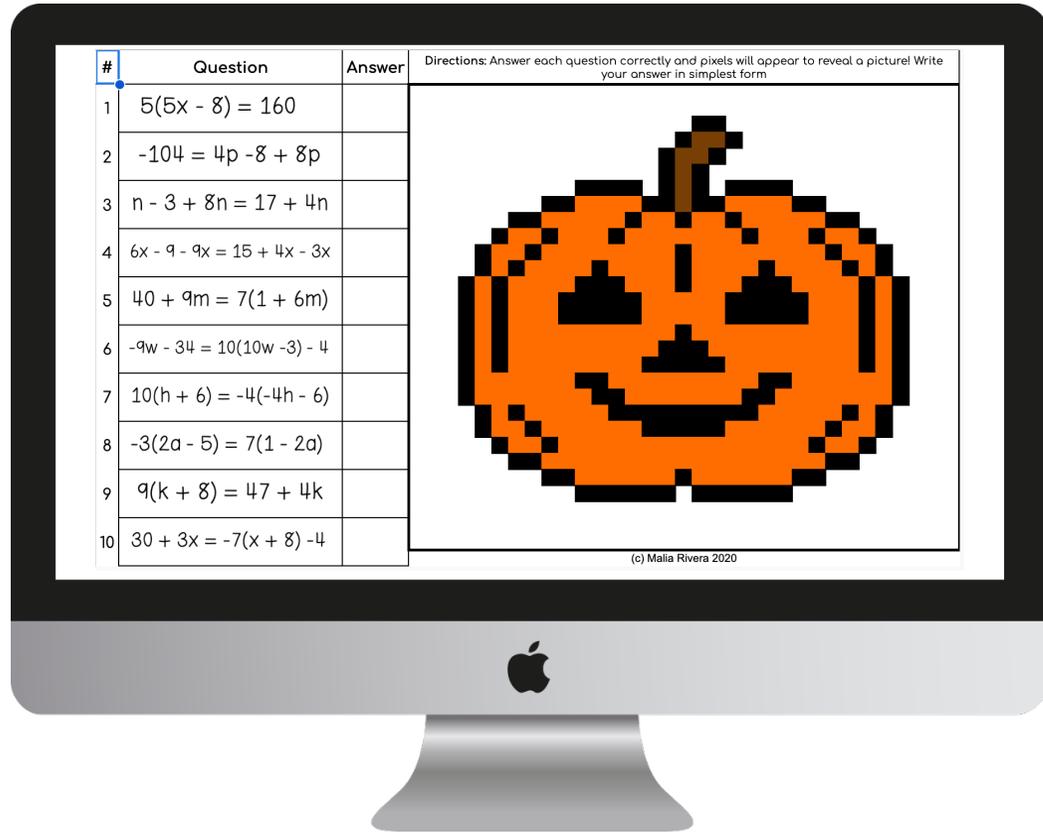
Your students will be so engaged trying to figure out what the picture is!

#	Question	Answer
1	$5(5x - 8) = 160$	
2	$-104 = 4p - 8 + 8p$	
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Solving Multi-Step Equations Pixel Art includes:



- ✓ 10 self-checking problems
- ✓ an answer key
- ✓ a self-checking version
- ✓ an assessment version

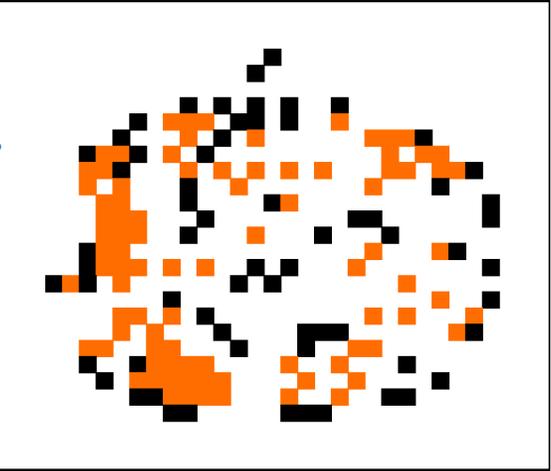
Solving Multi-Step Equation Pixel Art

standards covered:

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

TEKs: MA.8.8.C

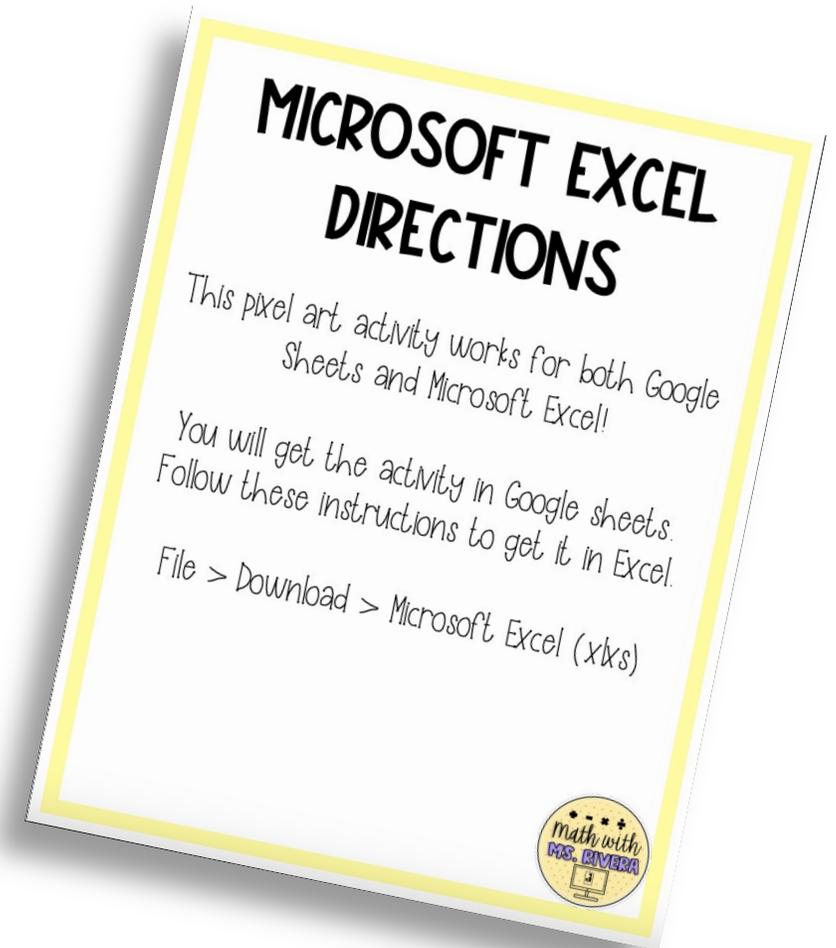
VA SOLs: PFA.8.17, EI.A.4.a

#	Question	Answer	Directions: Answer each question correctly and pixels will appear to reveal a picture! Write your answer in simplest form.
1	$5(5x - 8) = 160$	8	
2	$-104 = 4p - 8 + 8p$	-8	
3	$n - 3 + 8n = 17 + 4n$	4	
4	$6x - 9 - 9x = 15 + 4x - 3x$		
5	$40 + 9m = 7(1 + 6m)$		
6	$-9w - 34 = 10(10w - 3) - 4$		
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Solving Multi-Step Equation Pixel Art

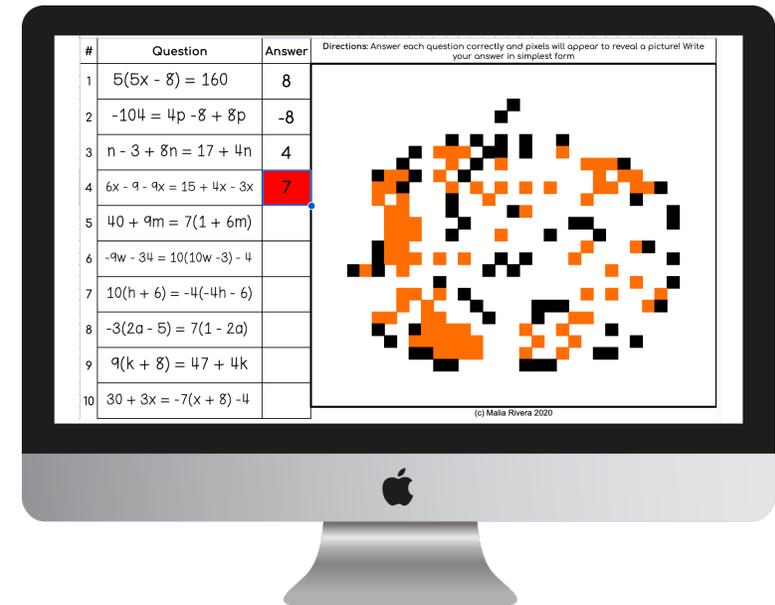
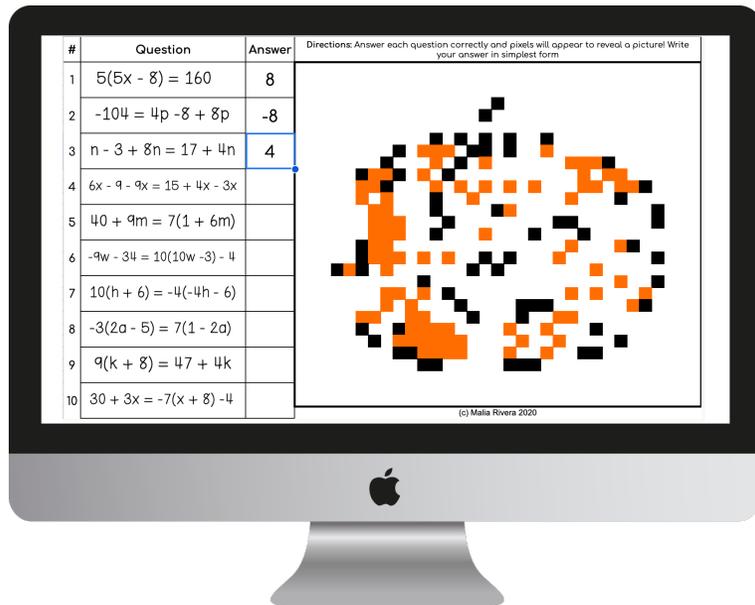
Can be used with Google Sheets
and Microsoft Excel
Directions included!



Solving Multi-Step Equation Pixel Art

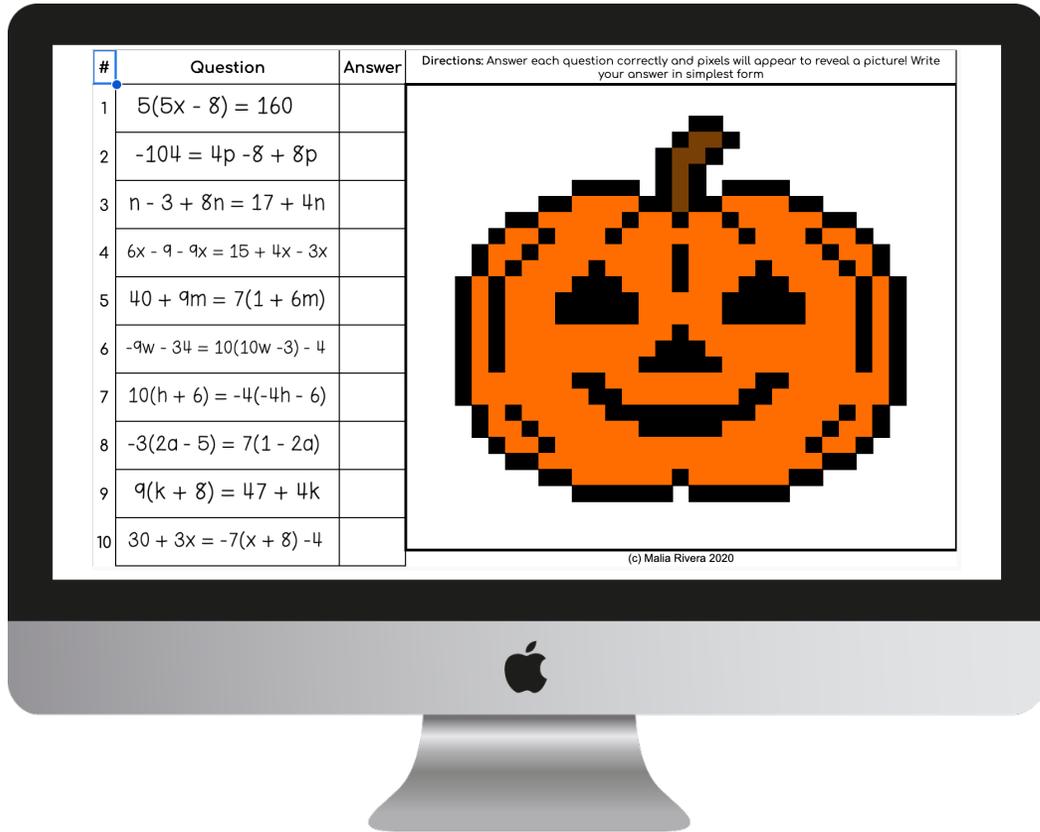
If they answer it correctly, some of the pixels will appear.

If they answer it incorrectly, the answer box will turn red & no pixels appear.



Your students will *love* trying to figure out what the picture is WHILE doing math!

how to use this resource



This is a great activity to use when reviewing how to solve multi-step equations with variables on both sides.

It can be used right after teaching the concept or as homework.

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

Check out what *other teachers* are saying:



"My students loved the appearing picture as well as the red box ques that told them they needed to try again! - Jordyn W.



"My students LOVED this resource and enjoyed watching the pixel picture appear as they solved equations correctly. This was a perfect activity for Halloween. Thanks 😊"
- Jaime G.



"The kids were engaged and working on skills previously acquired. It was a fun way to work on math on Halloween without complaints, plus, they actually enjoyed watching the cells populate. Fun, engaging resource!." - Pam M.

You may also enjoy ...

SOLVING MULTISTEP EQUATIONS CHOICE BOARD

Digital & Printable

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SOLVING MULTISTEP EQUATIONS

#	Question	Answer	Directions: Answer each question correctly and pixels will appear to reveal a picture!
1	$16x - 15 - 9x = 13$		
2	$15x + 4 - 9x = -32$		
3	$-31 = 8 - 6x - 7x$		
4	$9 + 4(x + 1) = 25$		
5	$7(x - 5) + 12 = 5$		
6	$10x + 5(x - 3) = 15$		
7	$66 = 14x - 3(x - 6)$		
8	$\frac{1}{4}(x - 8) = 7$		
9	$\frac{3}{11}(x + 3) = 9$		
10	$-\frac{5}{2}(x - 1) = 15$		

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NUMBER OF SOLUTIONS CHOICE BOARD

Name: _____ Date: _____ Period: _____

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.

$x + 3 = x + 6$	$8x = 4(2x + 1)$	$3(x + 5) = 3x + 15$
$12 + 5x = 2x - 9$	$6(2y + 6) = 4(9 + 3y)$	$16k = 22 + 5k$
$-7w = -7(w - 2)$	$3(d + 12) = 8 - 4d$	$5h - 7 = 2(h + 1)$

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Buy the Bundle & *save!*

This bundle includes 12 digital activities that will allow your students to have fun while solving multistep equations.

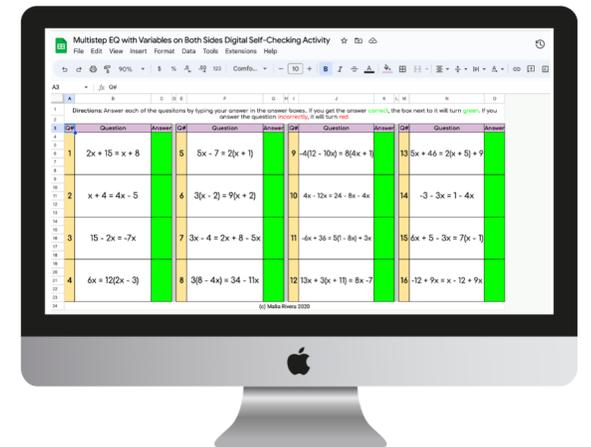
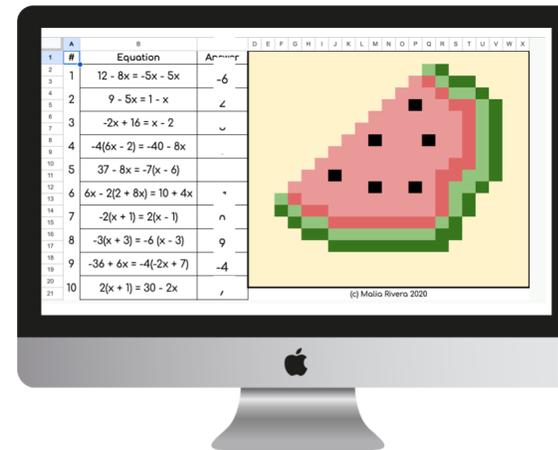
There is a mix of pixel art, self-checking, digital task cards, and drag & drop activities in the bundle

check it out!

SOLVING MULTI-STEP EQUATIONS

Digital Activity Bundle

Algebra





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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