

keep scrolling to get
a sneak peek!

Help your Algebra 1 students practice **finding slope from two points**. This includes **positive, negative, fractional, and zero slopes**.

Students will be eager to get the self-checking benefits from this digital pixel art activity!

FINDING SLOPE FROM 2 POINTS

" (Ex: -2/3). To the right of the table is a pixel art drawing of a burger. The burger has a brown bun, a yellow cheese slice, a red tomato slice, green lettuce, and a brown patty. The laptop keyboard is visible at the bottom of the screen."/>

2 Points	Slope
$(-2, -1)$ & $(4, 5)$	
$(5, -3)$ & $(-8, -3)$	
$(1, 3)$ & $(3, 2)$	
$(-10, -2)$ & $(-8, 8)$	
$(2, 4)$ & $(6, 2)$	
$(-2, -1)$ & $(1, 1)$	
$(3, 5)$ & $(6, -1)$	
$(5, 2)$ & $(4, -1)$	
$(-2, 3)$ & $(4, 6)$	
$(-9, 3)$ & $(7, -1)$	

Directions: Calculate the slope of the line that passes through the points. If you get a fraction, write it with a "/" (Ex: -2/3).

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Math
with Ms. Rivera

Self-Checking

Why do you need this?



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

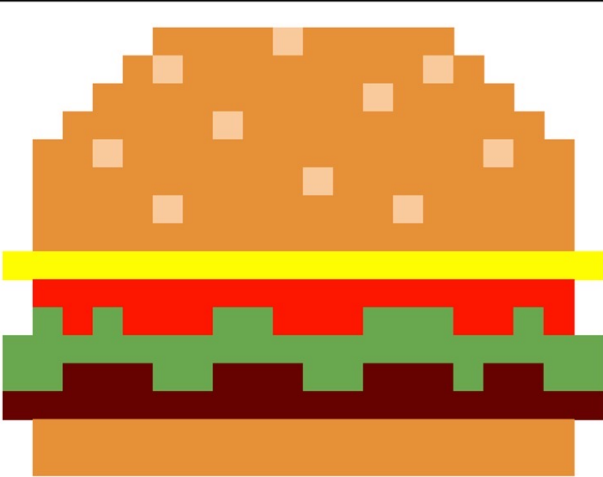


Help your students practice this essential math skill.

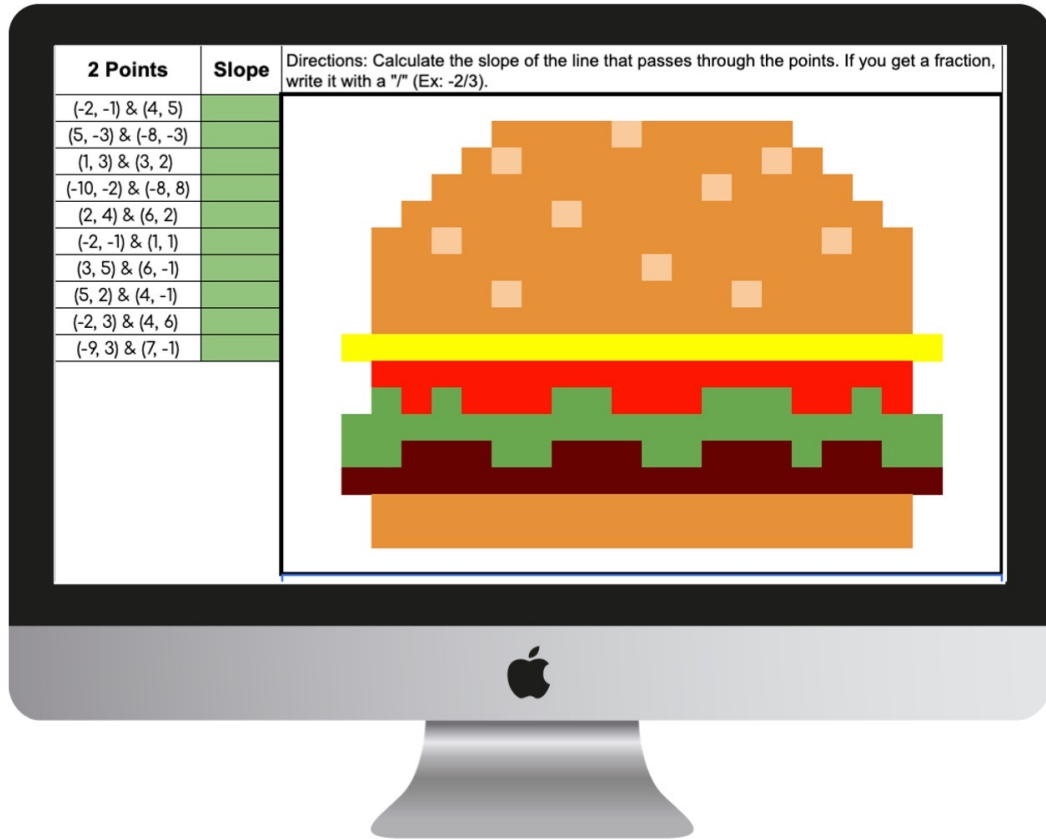


Your students will be so engaged trying to figure out what the picture is!

Finding Slope from Two Points Pixel Art

2 Points	Slope	Directions: Calculate the slope of the line that passes through the points. If you get a fraction, write it with a "/" (Ex: -2/3).
$(-2, -1) & (4, 5)$		
$(5, -3) & (-8, -3)$		
$(1, 3) & (3, 2)$		
$(-10, -2) & (-8, 8)$		
$(2, 4) & (6, 2)$		
$(-2, -1) & (1, 1)$		
$(3, 5) & (6, -1)$		
$(5, 2) & (4, -1)$		
$(-2, 3) & (4, 6)$		
$(-9, 3) & (7, -1)$		

Finding Slope from 2 Points Pixel Art includes:



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

Finding Slope from 2 Points Pixel Art

standards covered:

CCSS: 8.F.B.4, HSF-IF.B.6

TEKs: 8.4.A

VA SOLs: El.A.6.a

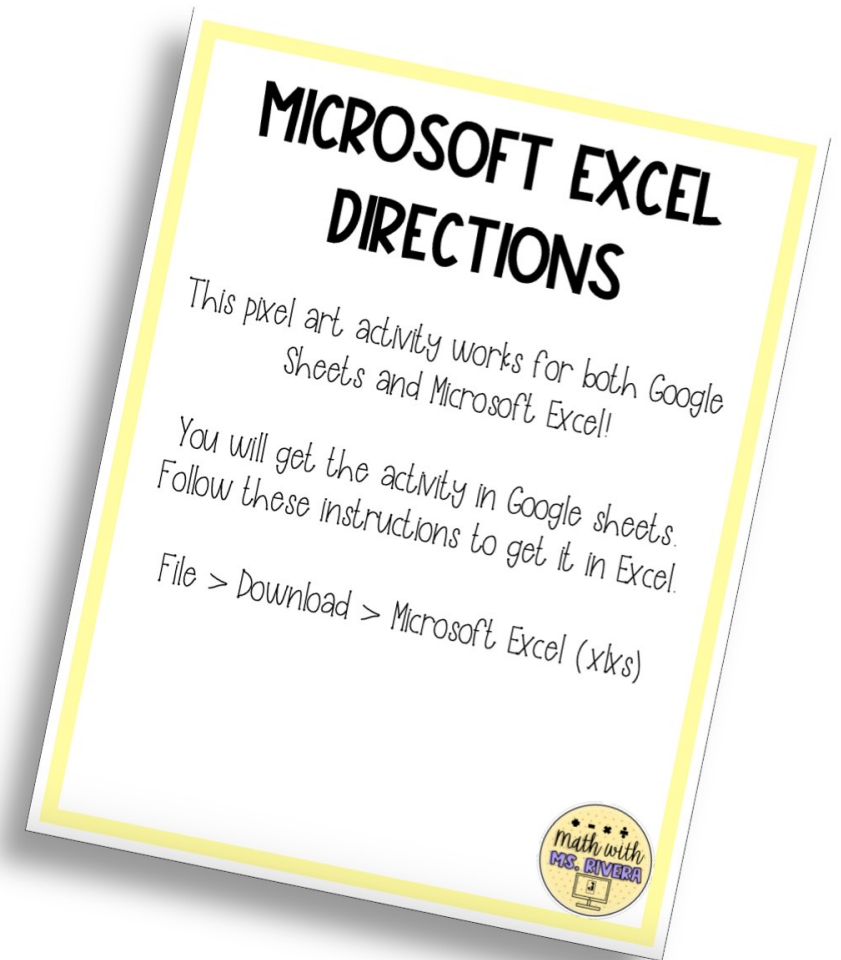
Directions: Calculate the slope of the line that passes through the points. If you get a fraction, write it with a "/" (Ex: $-2/3$).

2 Points	Slope
$(-2, -1)$ & $(4, 5)$	
$(5, -3)$ & $(-8, -3)$	
$(1, 3)$ & $(3, 2)$	
$(-10, -2)$ & $(-8, 8)$	
$(2, 4)$ & $(6, 2)$	
$(-2, -1)$ & $(1, 1)$	
$(3, 5)$ & $(6, -1)$	
$(5, 2)$ & $(4, -1)$	
$(-2, 3)$ & $(4, 6)$	
$(-9, 3)$ & $(7, -1)$	

The pixel art on the monitor depicts a character with a large, bushy orange beard and hair, wearing a yellow and red checkered shirt, green pants, and dark brown shoes.

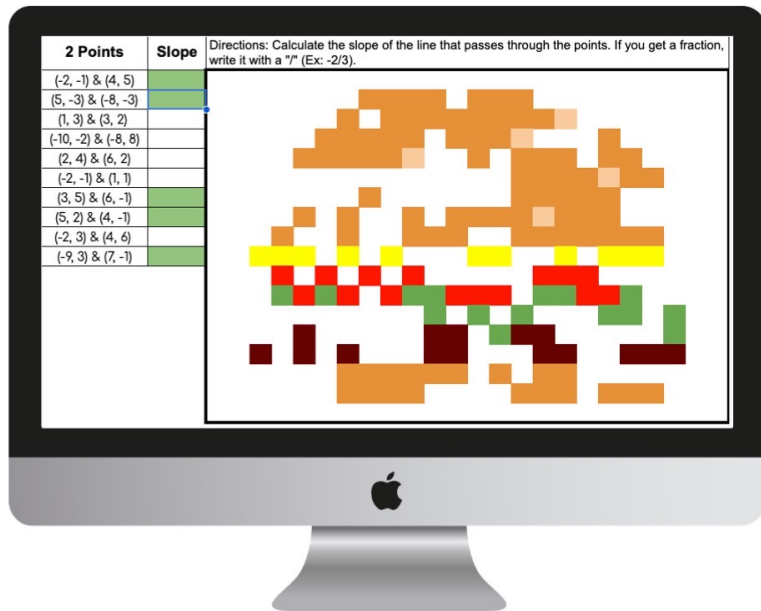
Finding Slope from 2 Points Pixel Art

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

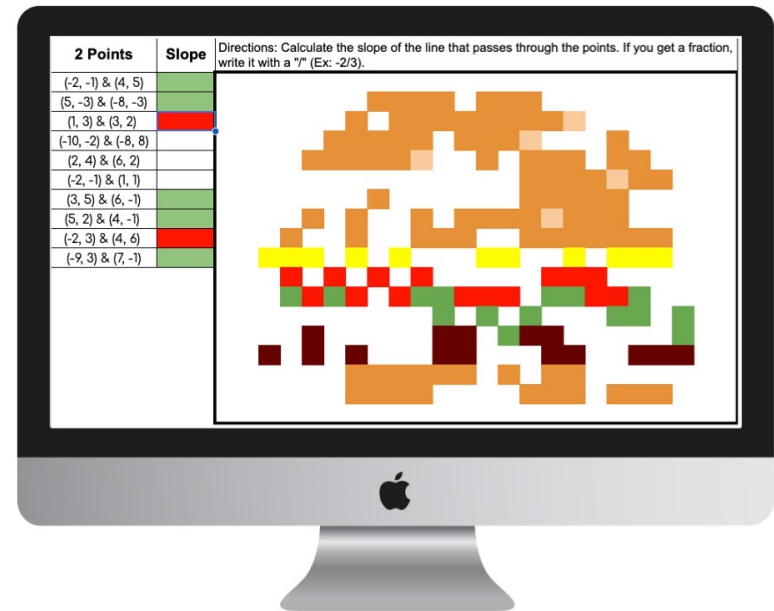


How pixel art works

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 calculate slope given two points.

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

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

You may also enjoy...

FINDING SLOPE FROM GRAPHS

Identifying Slope from Graphs
 Directions: Look at each graph and identify the slope. Type your slope in the answer box. If you are correct, the box will turn green. If you are incorrect, the box will turn red. If your answer is undefined type "undef".

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Self-Checking

FINDING THE MISSING COORDINATE FROM SLOPE

#	Question	Answer
1	$(7, 16)$ & $(x, -12)$, $m = -28$	
2	$(4, x)$ & $(-8, -10)$, $m = -\frac{1}{6}$	
3	$(x, -7)$ & $(-20, -17)$, $m = \frac{5}{3}$	
4	$(0, 6)$ & $(15, x)$, $m = 0$	
5	$(-11, -16)$ & $(x, -20)$, $m = -\frac{1}{7}$	
6	$(2, x)$ & $(9, 5)$, $m = \frac{12}{7}$	
7	$(x, 4)$ & $(17, -3)$, $m = -\frac{7}{8}$	
8	$(-3, 1)$ & $(x, 6)$, $m = -5$	
9	$(-8, -3)$ & $(-6, x)$, $m = -2$	
10	$(5, x)$ & $(3, -5)$, $m = 6$	

Directions: Use the slope formula to find the missing coordinate. Answer each question correctly and pixels will appear to reveal a picture!

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Self-Checking

FINDING SLOPE

Digital & Print Activity Pack

10 Activities

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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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