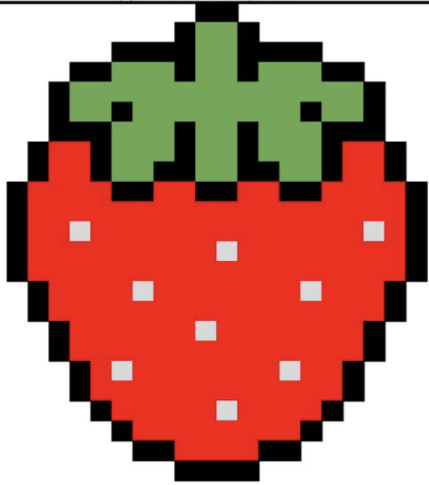


keep scrolling to get
a sneak peek!

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

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

FINDING SLOPE FROM 2 POINTS

#	Question	Answer	Directions: Calculate the slope given two points. Answer each question correctly and pixels will appear to reveal a picture!
1	$(-4, 3)$ & $(2, -6)$		
2	$(-3, 5)$ & $(4, 5)$		
3	$(4, -2)$ & $(-2, 4)$		
4	$(-3, -1)$ & $(0, 1)$		
5	$(2, 4)$ & $(2, -5)$		
6	$(-11, 7)$ & $(15, -3)$		
7	$(-4, -3)$ & $(2, 5)$		
8	$(-3, 5)$ & $(4, -3)$		
9	$(1, 5)$ & $(0, 3)$		
10	$(0, -3)$ & $(-3, 2)$		

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Self-Checking

Why do you need this?



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

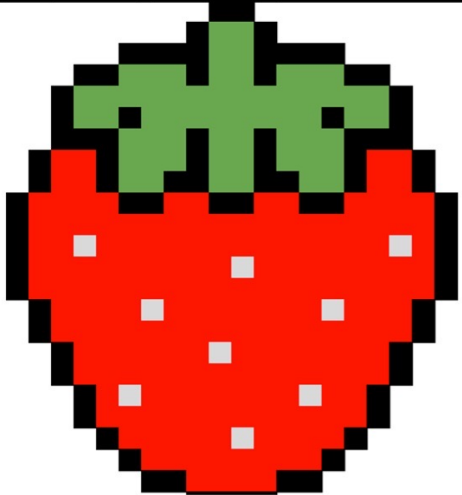


Help your students practice this essential math skill.



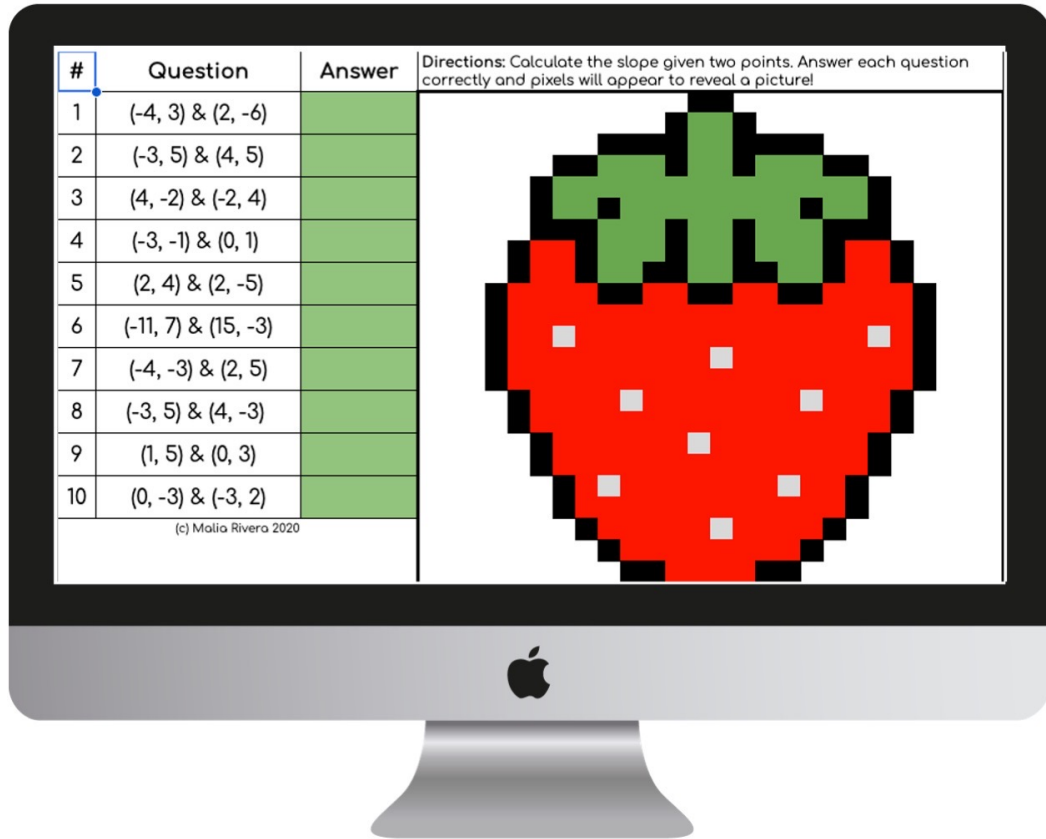
Your students will be so engaged trying to figure out what the picture is!

Finding Slope from Two Points Pixel Art

#	Question	Answer	Directions: Calculate the slope given two points. Answer each question correctly and pixels will appear to reveal a picture!
1	$(-4, 3) & (2, -6)$		
2	$(-3, 5) & (4, 5)$		
3	$(4, -2) & (-2, 4)$		
4	$(-3, -1) & (0, 1)$		
5	$(2, 4) & (2, -5)$		
6	$(-11, 7) & (15, -3)$		
7	$(-4, -3) & (2, 5)$		
8	$(-3, 5) & (4, -3)$		
9	$(1, 5) & (0, 3)$		
10	$(0, -3) & (-3, 2)$		

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Finding Slope from 2 Points Pixel Art includes:



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

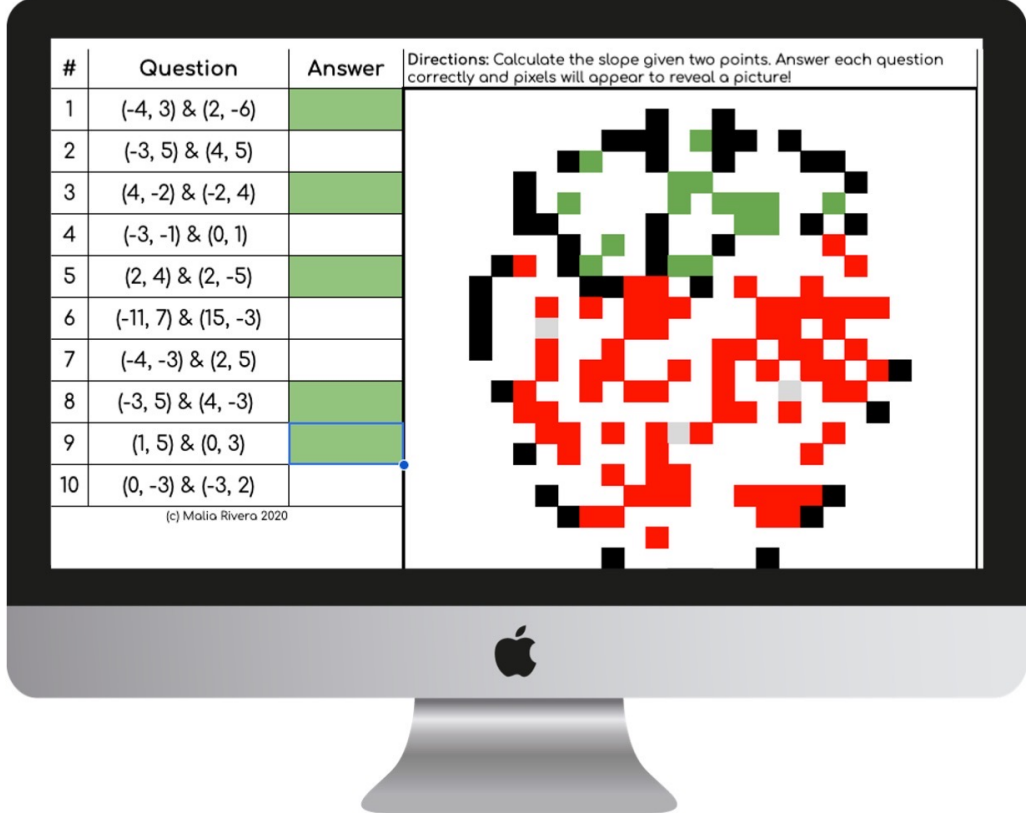
Finding Slope from 2 Points Pixel Art

standards covered:

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

TEKs: 8.4.A

VA SOLs: E1.A.6.a



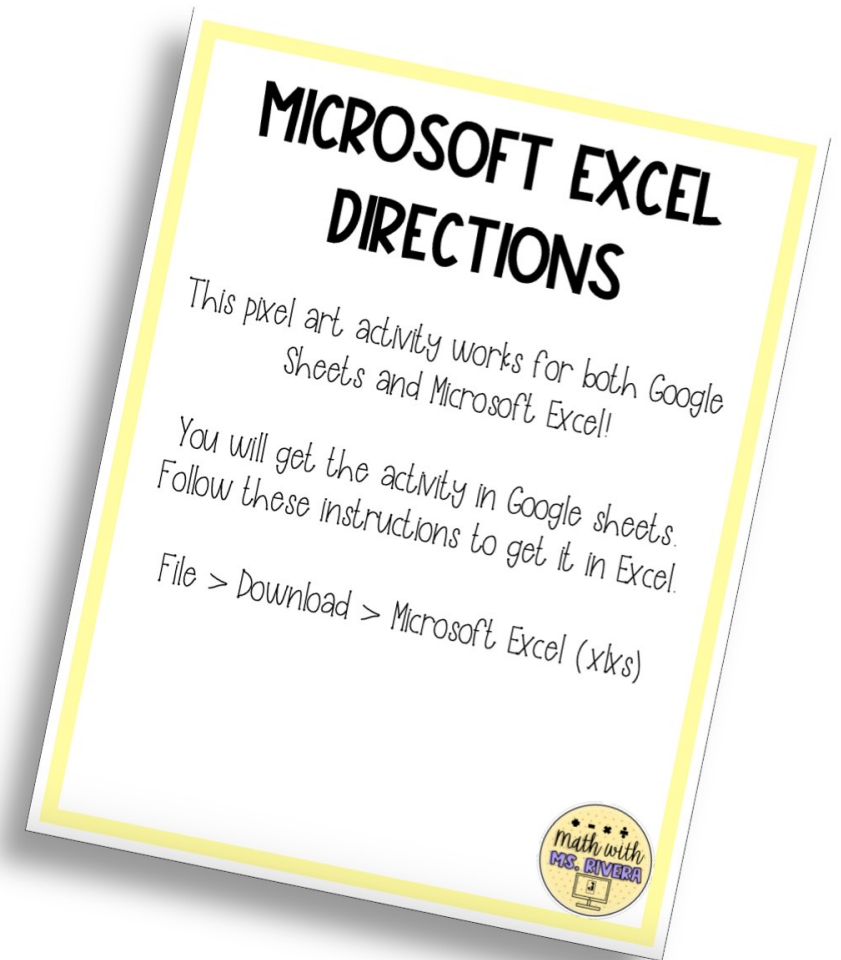
Directions: Calculate the slope given two points. Answer each question correctly and pixels will appear to reveal a picture!

#	Question	Answer
1	$(-4, 3)$ & $(2, -6)$	
2	$(-3, 5)$ & $(4, 5)$	
3	$(4, -2)$ & $(-2, 4)$	
4	$(-3, -1)$ & $(0, 1)$	
5	$(2, 4)$ & $(2, -5)$	
6	$(-11, 7)$ & $(15, -3)$	
7	$(-4, -3)$ & $(2, 5)$	
8	$(-3, 5)$ & $(4, -3)$	
9	$(1, 5)$ & $(0, 3)$	
10	$(0, -3)$ & $(-3, 2)$	

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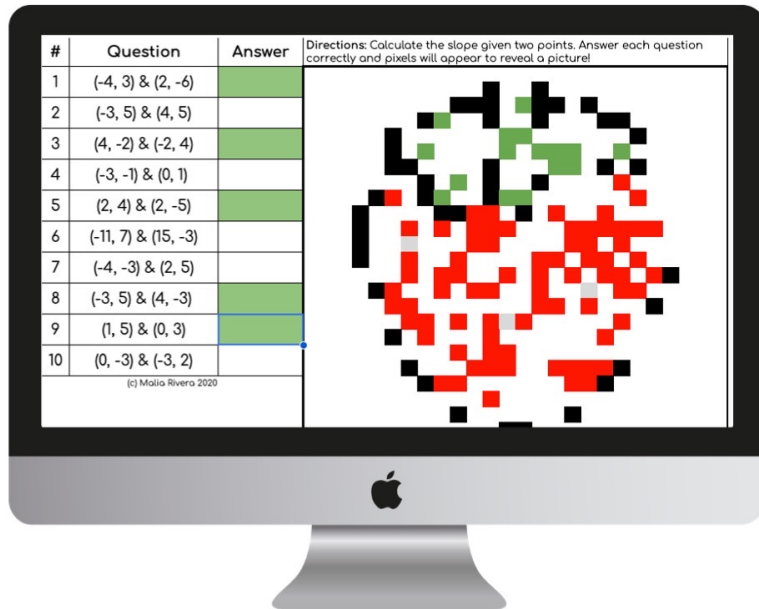
Finding Slope from 2 Points Pixel Art

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.

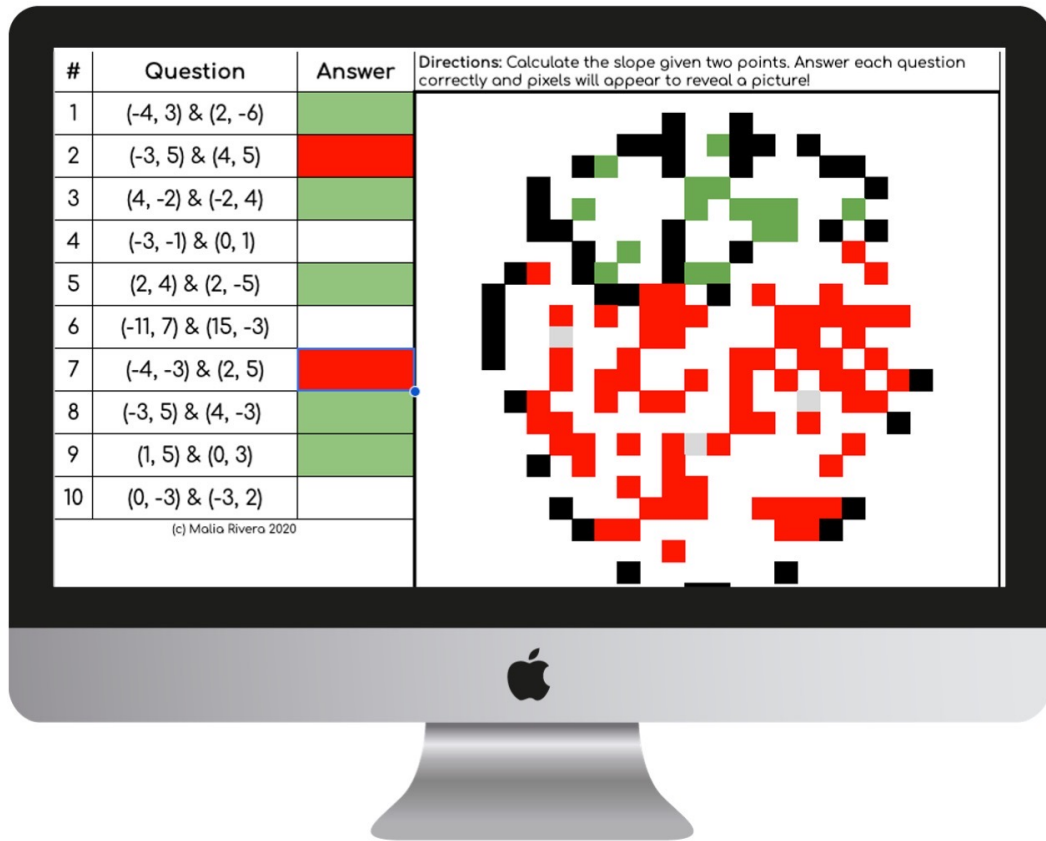


If they answer it incorrectly, the answer box will turn red & no pixels appear.



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

how to use this resource



The image shows a computer monitor displaying a worksheet. The worksheet has a table with 10 rows of questions and answers. The questions are: 1. $(-4, 3)$ & $(2, -6)$; 2. $(-3, 5)$ & $(4, 5)$; 3. $(4, -2)$ & $(-2, 4)$; 4. $(-3, -1)$ & $(0, 1)$; 5. $(2, 4)$ & $(2, -5)$; 6. $(-11, 7)$ & $(15, -3)$; 7. $(-4, -3)$ & $(2, 5)$; 8. $(-3, 5)$ & $(4, -3)$; 9. $(1, 5)$ & $(0, 3)$; 10. $(0, -3)$ & $(-3, 2)$. The answers are represented by colored boxes: green for questions 1, 3, 5, 8, and 9; red for questions 2 and 7; and white for questions 4, 6, and 10. To the right of the table is a pixel art image of a cat's face, which is partially revealed by the colored boxes. The directions at the top of the worksheet are: "Directions: Calculate the slope given two points. Answer each question correctly and pixels will appear to reveal a picture!". The copyright notice at the bottom left of the worksheet is "(c) Malia Rivera 2020".

#	Question	Answer
1	$(-4, 3)$ & $(2, -6)$	Green
2	$(-3, 5)$ & $(4, 5)$	Red
3	$(4, -2)$ & $(-2, 4)$	Green
4	$(-3, -1)$ & $(0, 1)$	White
5	$(2, 4)$ & $(2, -5)$	Green
6	$(-11, 7)$ & $(15, -3)$	White
7	$(-4, -3)$ & $(2, 5)$	Red
8	$(-3, 5)$ & $(4, -3)$	Green
9	$(1, 5)$ & $(0, 3)$	Green
10	$(0, -3)$ & $(-3, 2)$	White

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This is a great activity to use when reviewing how to calculate slope given two points - including zero & undefined slopes.

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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