keep scrolling to get a sneak peek!

Help your Algebra 2 students practice **solving compound inequalities**. Students will be eager to get the self-checking benefits from this digital pixel art activity!

COMPOUND INEQUALITIES

Question	Answer
$< 2x + 1 \leq 7$	
$< 9 - x < 17$	
$\leq \frac{1}{2}x - 3 < 4$	
$< 2x + 3 \leq 7$	
4 or $2x + 4 > 12$	
$+ 6$ and $5x - 2 > 5x + 1$	
$\frac{1}{3}(x + 4) < 6$	
8 and $2x + 4 \leq 10$	
-6 or $3x + 1 > 10$	
$\frac{1}{4}(13x + 16) < \frac{5}{2}$	

Directions: Answer each question correctly and pixels will appear to reveal a picture! T less than or equal to, use <=. To write greater than or equal to, use >=. Do not put space between numbers.

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Self-Checking

Math with Ms. Rivera

why do you need this?

Solving Compound Inequalities Pixel Art

🖍️ It's self-checking! Your students will instantly know if they are correct or not.
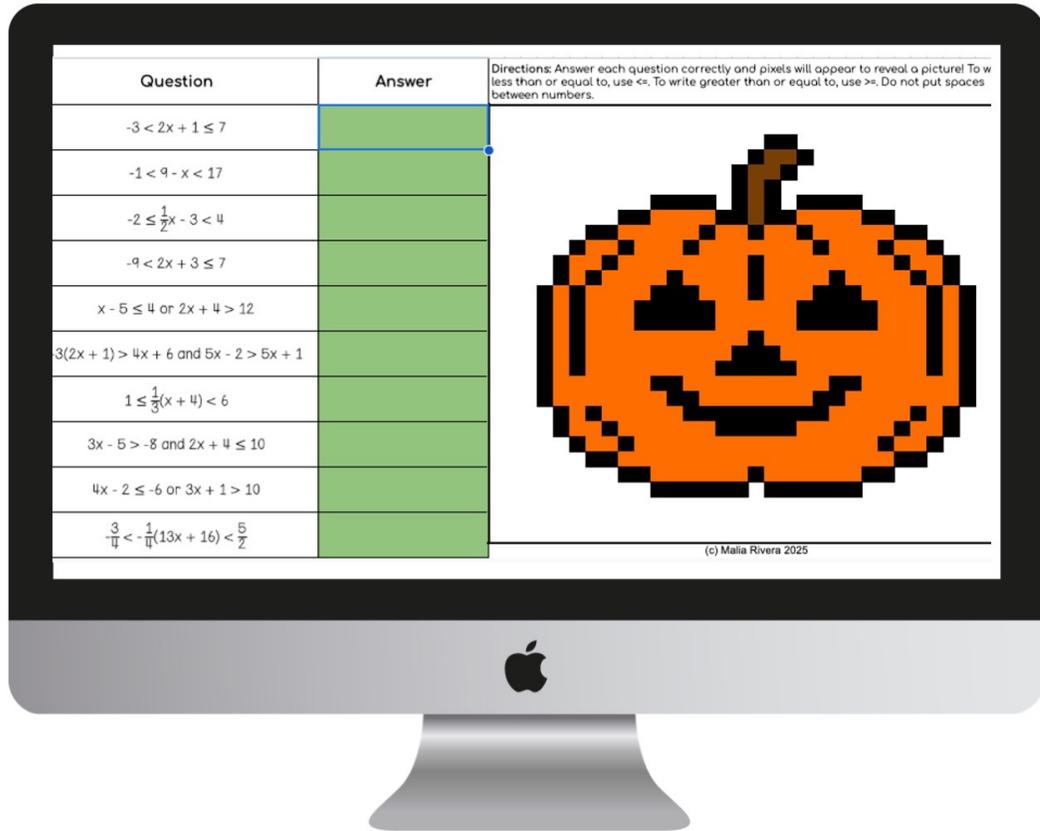
🖍️ Help your students practice this essential math skill.

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

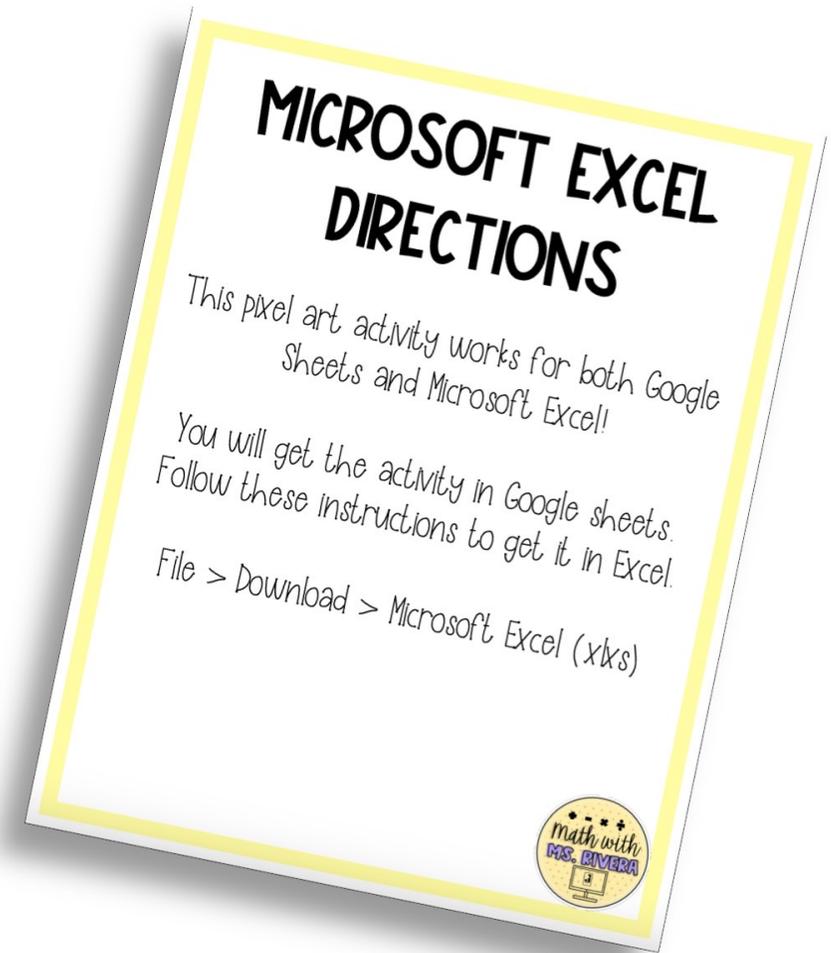| Question	Answer
$-3 < 2x + 1 \leq 7$	
$-1 < 9 - x < 17$	
$-2 \leq \frac{1}{2}x - 3 < 4$	
$-9 < 2x + 3 \leq 7$	
$x - 5 \leq 4$ or $2x + 4 > 12$	
$3(2x + 1) > 4x + 6$ and $5x - 2 > 5x + 1$	
$1 \leq \frac{1}{3}(x + 4) < 6$	
$3x - 5 > -8$ and $2x + 4 \leq 10$	
$4x - 2 \leq -6$ or $3x + 1 > 10$	
$-\frac{3}{4} < -\frac{1}{4}(13x + 16) < \frac{5}{2}$	

Directions: Answer each question correctly and pixels will appear to reveal a picture! To w less than or equal to, use <=. To write greater than or equal to, use >=. Do not put spaces between numbers.

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Compound Inequalities Pixel Art *includes:*

✅ 10 self-checking problems

✅ an answer key

✅ a self-checking version

✅ an assessment version

✅ student recording sheet

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Compound Inequalities Pixel Art

standards covered:

CCSS: HSA-CED.A.1, HSA-REI.B.3

TEKs: A1.5.B, A1.12.E

VA SOLs: EI.A.5a

Compound Inequalities Pixel Art

Can be used with Google Sheets
and Microsoft Excel

Directions included!

MICROSOFT EXCEL DIRECTIONS

This pixel art activity works for both Google Sheets and Microsoft Excel!

You will get the activity in Google sheets. Follow these instructions to get it in Excel.

File > Download > Microsoft Excel (xlxs)

math with MS. RIVERA

Compound Inequalities 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.
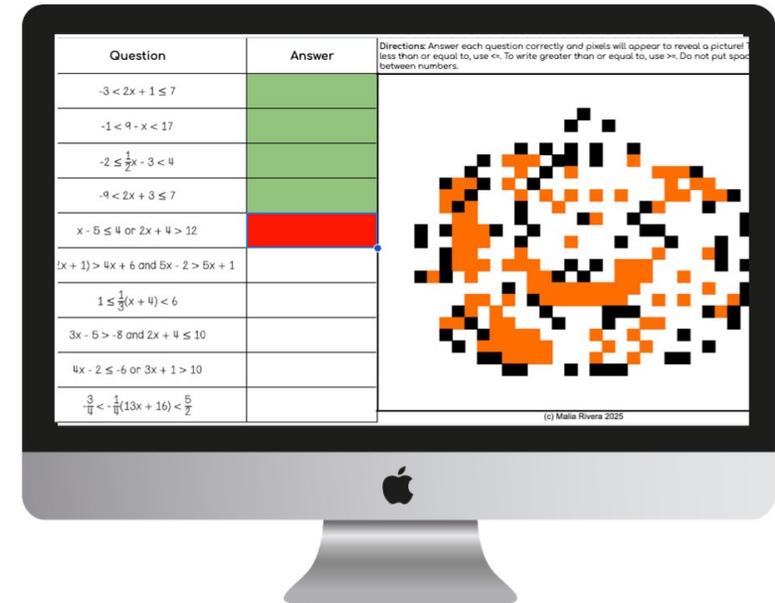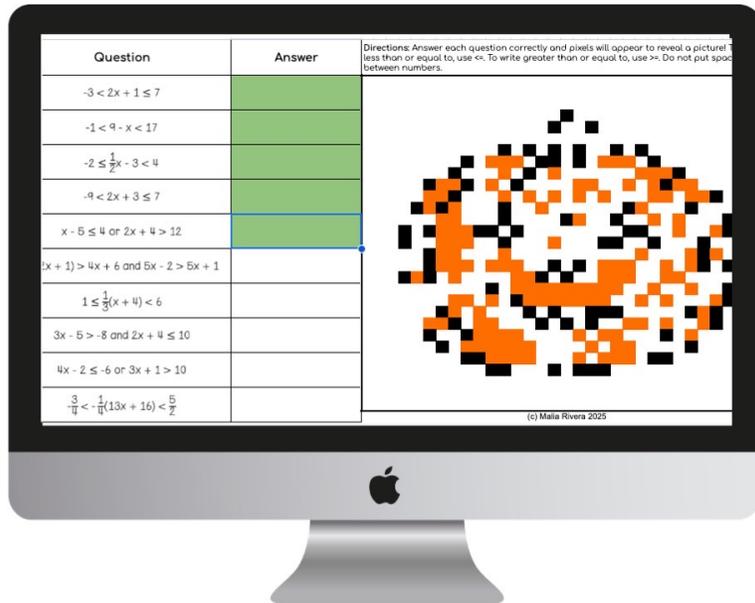
Your students will *love* tying to figure out what the picture is WHILE doing math!
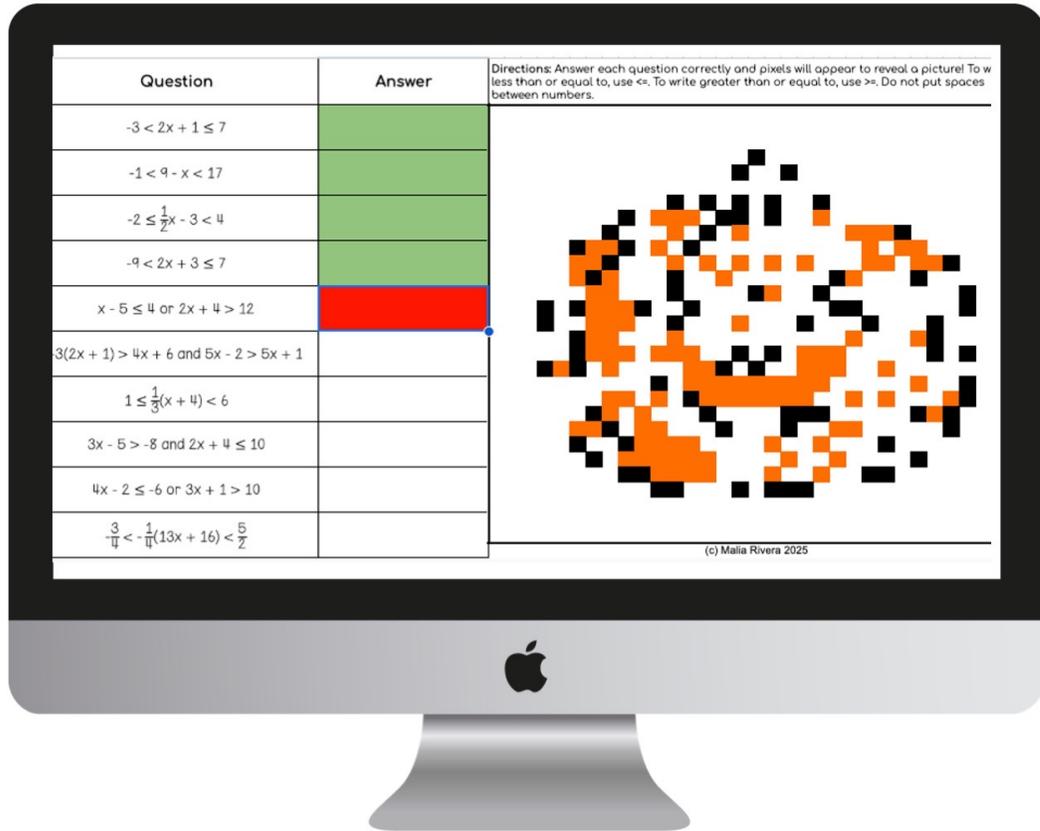
This is a great activity to use when reviewing how to solve different types of compound inequalities.

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

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

You may also *enjoy*...

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Algebra 2 Guided Notes

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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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