

keep scrolling to
get a sneak peek!

If you're looking for a new way to get your students practicing math, this is the resource for you! With this **solving systems of equations** collaborative activity, students will **graph a system of equations** to find the solution on each gingerbread cookie piece. Assembling all the students' pieces creates one large holiday display on your classroom bulletin board.

SOLVING SYSTEMS OF EQUATIONS BY GRAPHING

Smart Cookies



Student work bulletin board

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Why do you need this?

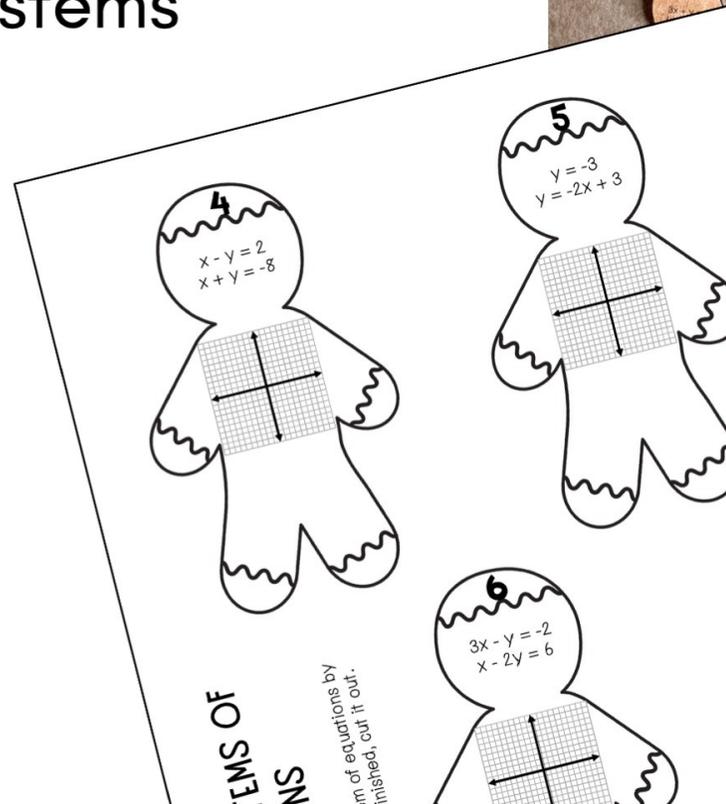
Graphing Systems of Equations Gingerbread Cookies Bulletin Board



New & engaging way to help students practice solving systems of equations by graphing.



Unique, collaborative way to display student work



Graphing Systems Equations Gingerbread Cookies *includes:*



- ✓ 3 blank tessellation pages per student
- ✓ 9 questions total
- ✓ an answer key
- ✓ teacher instructions

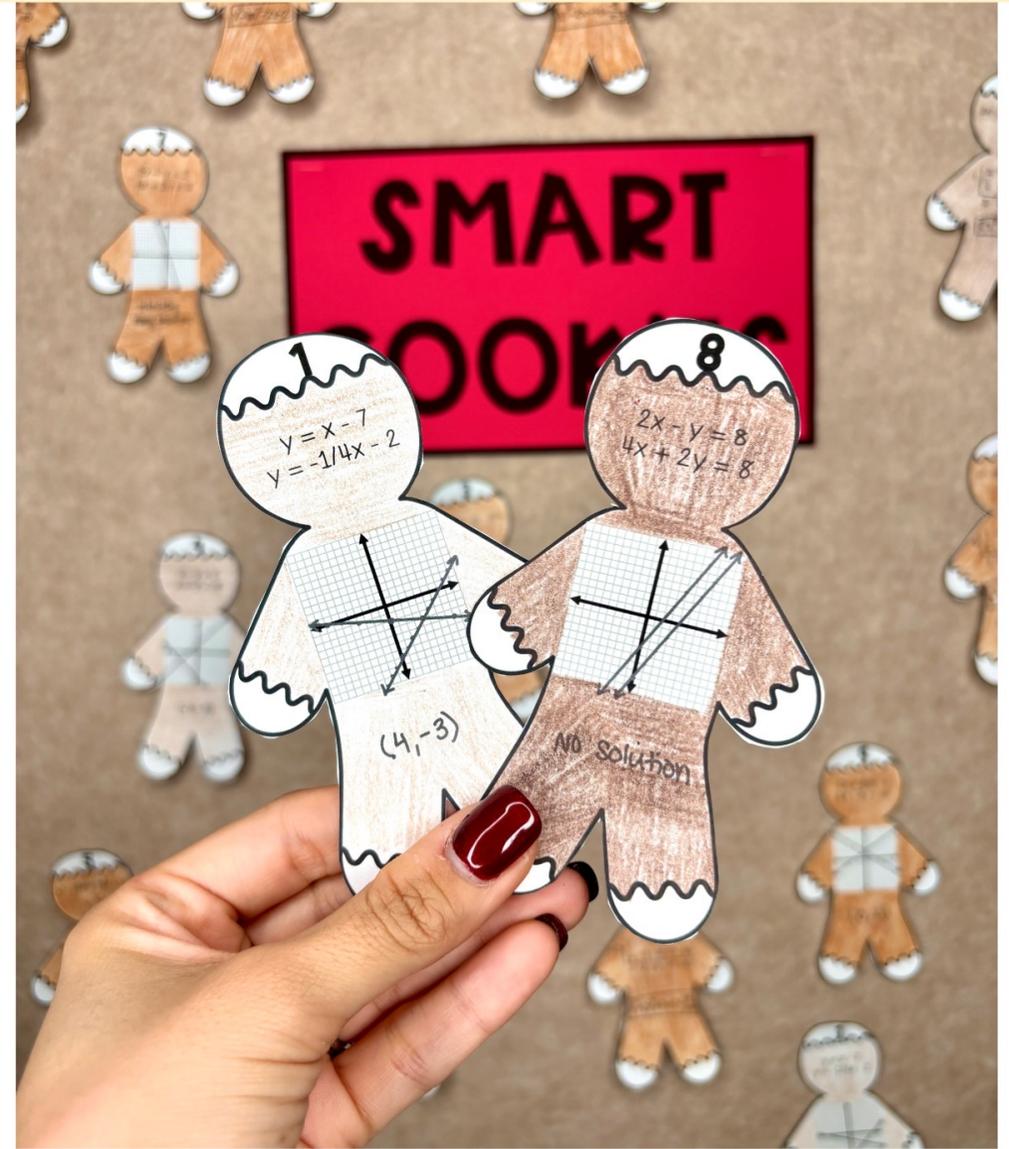
Solving Systems of Equations by Graphing Holiday Bulletin Board

standards covered:

CCSS: 8.EE.C.8, 8.EE.C.8ab

TEKs: A1.5.C

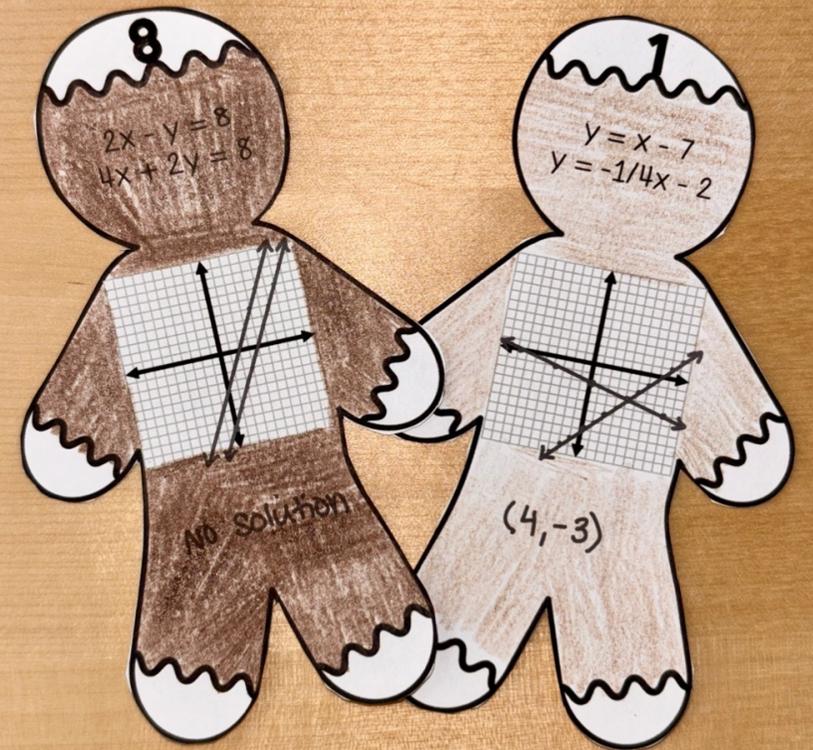
VA SOLs: EI.A.4.d



Solving Systems of Equations by Graphing Bulletin Board

skills included:

- Graphing from slope intercept form
- Graphing from standard form
- Solving Systems of Equations by Graphing
- Identifying the number of solutions of a system from graphs



Solving Systems of Equations by Graphing Bulletin Board

Once all the student pieces are finished, it will create one large, colorful holiday bulletin board display.

Students, Teachers, Staff and Parents will love looking at the display of your students' work on your classroom wall!



how to use this resource



- Print or make copies – I print on white so my students can decorate each piece how they want.
- Students will answer the questions on each gingerbread cookies (3 per page)
- Collect all the students' pieces & put it up on the bulletin board to create one big, festive gingerbread cookie design

You may also enjoy ...

SYSTEMS OF EQUATIONS BY GRAPHING Worksheet

SOLVING SYSTEMS OF EQUATIONS BY GRAPHING
Graph each system of equation and identify the solution.

1. $y = 3x - 1$
 $y = -2x + 4$
Solution: $(1, 2)$

2. $y = \frac{4}{3}x + 3$
 $y = -\frac{2}{3}x - 3$
Solution: $(-3, -1)$

3. $y = -3x - 2$
 $y = -\frac{1}{2}x + 3$
Solution: $(-2, 4)$

4. $y = -2x + 1$
 $y = -2x - 2$
Solution: No Solution

5. $y = x - 4$
 $y = -2x + 2$
Solution: $(-2, 4)$

6. $y = x + 2$
 $y = x - 1$
Solution: No Solution

7. $y = 2x + 3$
 $y = -3x - 2$
Solution: $(-1, 1)$

8. $y = \frac{1}{2}x - 3$
 $y = \frac{1}{3}x + 1$
Solution: $(-6, -4)$

9. $y = \frac{1}{2}x + 3$
 $y = \frac{5}{2}x - 3$
Solution: $(-2, 4)$

10. $y = \frac{1}{2}x + 3$
 $y = 2x - 2$
Solution: $(-2, 4)$

11. $y = x - 1$
 $y = x - 1$
Solution: No Solution

12. $y = 4x + 4$
 $y = x - 2$
Solution: $(-4, 0)$

ANSWER KEY
Name: _____

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SYSTEM OF EQUATIONS Color by Number worksheet

SYSTEMS OF EQUATIONS COLOR BY NUMBER
Date: _____
Instructions: Solve each system. Circle the answer from the given choices. Your answers will tell you how you color the grid.

1. $3x + 2y = 8$
 $6x + 4y = 4$
A. $(-1, 4)$ pink
B. $(-1, 8)$ pink
C. $(-1, 4)$ pink
D. $(-1, 8)$ pink

2. $3x + 2y = 8$
 $6x + 4y = 4$
A. $(-1, 4)$ pink
B. $(-1, 8)$ pink
C. $(-1, 4)$ pink
D. $(-1, 8)$ pink

3. $3x + 2y = 8$
 $6x + 4y = 4$
A. $(-1, 4)$ pink
B. $(-1, 8)$ pink
C. $(-1, 4)$ pink
D. $(-1, 8)$ pink

4. $3x + 2y = 8$
 $6x + 4y = 4$
A. $(-1, 4)$ pink
B. $(-1, 8)$ pink
C. $(-1, 4)$ pink
D. $(-1, 8)$ pink

ANSWER KEY
A. $(-1, 4)$ pink
B. $(-1, 8)$ pink
C. $(-1, 4)$ pink
D. $(-1, 8)$ pink

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SOLVING SYSTEMS OF EQUATIONS Holiday Lights

MATH-ing

SPIRITS

BRIGHT!

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check it out!

Answer Key
Name: _____ Date: _____
ADDING & SUBTRACTING RATIONAL EXPRESSIONS
Directions: Simplify each rational expression. Show your work.

SOLVING SYSTEMS OF EQUATIONS
Date: _____
Solve each system of equations using substitution or elimination. Check your solution.

ANSWER KEY
Name: _____ Date: _____
SOLVING SYSTEMS OF EQUATIONS
Solve each system of equations using substitution or elimination. Check your solution.

Rational Expression Operations - Addition & Subtraction
Directions: Answer each question and type the question number with the matching answer in the answer column to the right.

#	Question	Answer	Type the matching question numbers here
1	$\frac{5}{x} + \frac{3}{x+1}$	$\frac{2x+1}{x+2}$	
2	$\frac{2}{x+4} - \frac{x^2}{x^2-16}$	$-\frac{1}{x^2-1}$	
3	$\frac{x+2}{x^2+4x+4} + \frac{2x}{x+2}$	$\frac{2x^2+2x+5}{x^2+x-2}$	
4	$\frac{x}{x-2} + \frac{3}{x-1}$	$-\frac{x^2+2x-8}{x^2-16}$	
5	$\frac{x}{4x+8} - \frac{1}{x^2+2x}$	$\frac{8x+5}{x^2+1}$	
6	$\frac{x+2}{x-1} + \frac{x-1}{x+2}$	$\frac{x^2-3x+7}{x^2-4}$	
7	$\frac{2x+1}{x^2-4} + \frac{x-3}{x+2}$	$\frac{x^2+2x-6}{x^2-3x+2}$	
8	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

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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 these too!

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