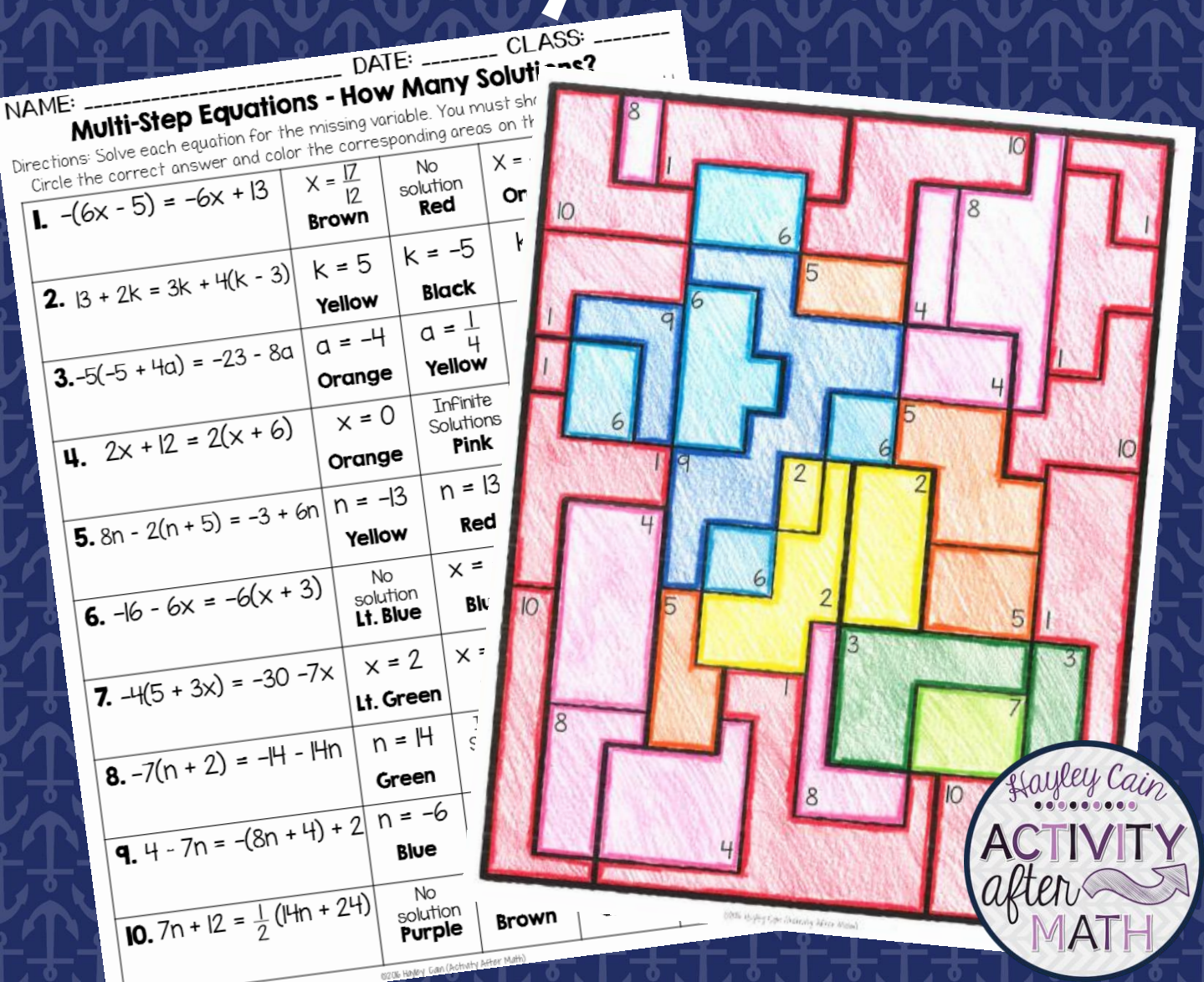
MULTI-STEP EQUATIONS

Finding How Many Solutions

Color by Number



About this product:

--Included in this product:

- Worksheet with 10 problems

(4 One Solution, 3 NO Solution, and 3 Infinite Solutions)

- Coloring Picture
- Option to have both on one page(side by side)
- Answer Key to problems page
- Colored Answer Key of Picture

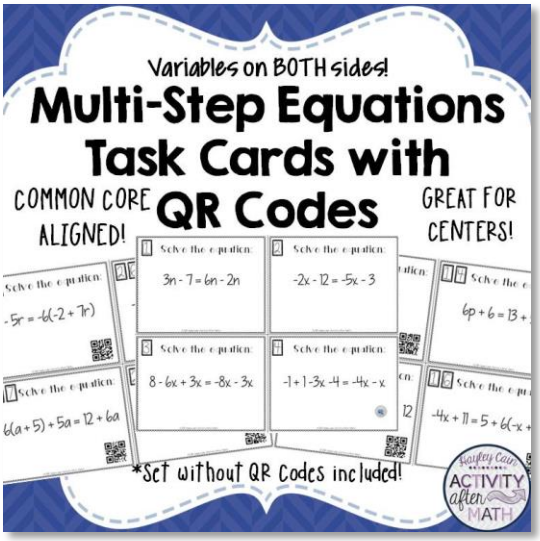
Students will solve 10 Multi-Step Equations with Variables on BOTH sides. When they get their answer they will look at the boxes on the right. Whatever answer matches the answer they got they will color that problem number the corresponding color.

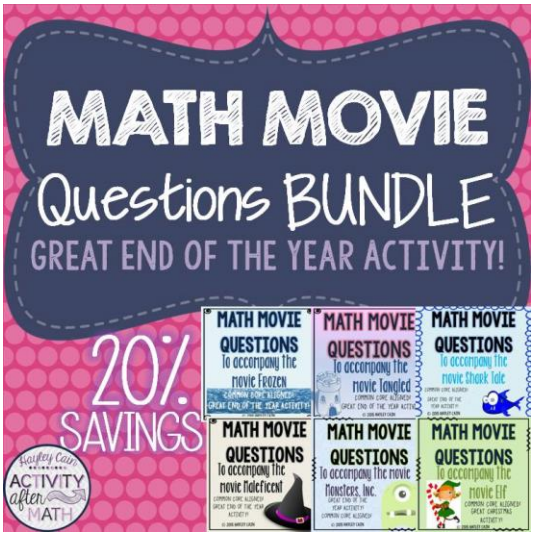
This is a fun way to review Multi-Step Equations with Variables on BOTH sides and color a picture! This also makes a great substitute plans activity or can be used as a review!

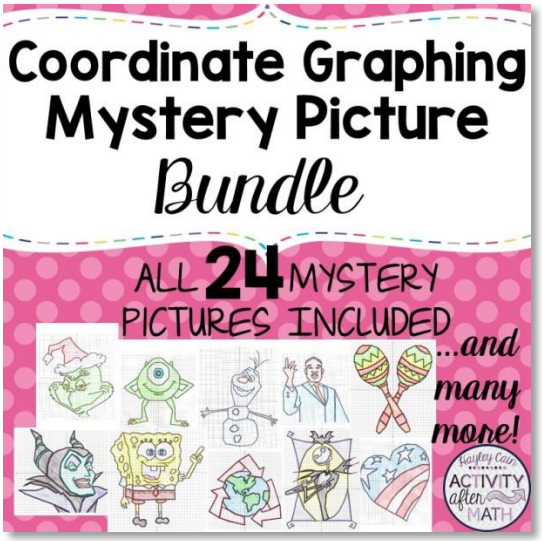
I hope you enjoy! Happy Teaching!

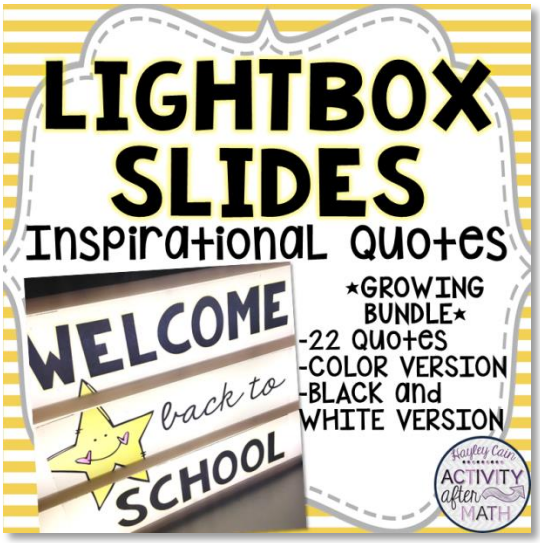
Hayley Cain
ACTIVITY after MATH

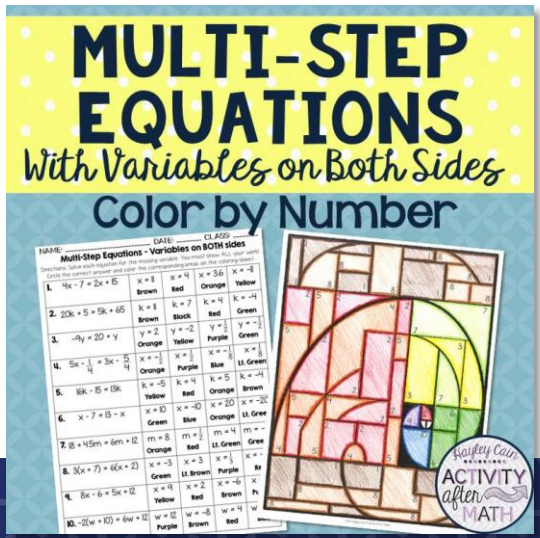
You may also like:











Click the pictures to check it out!

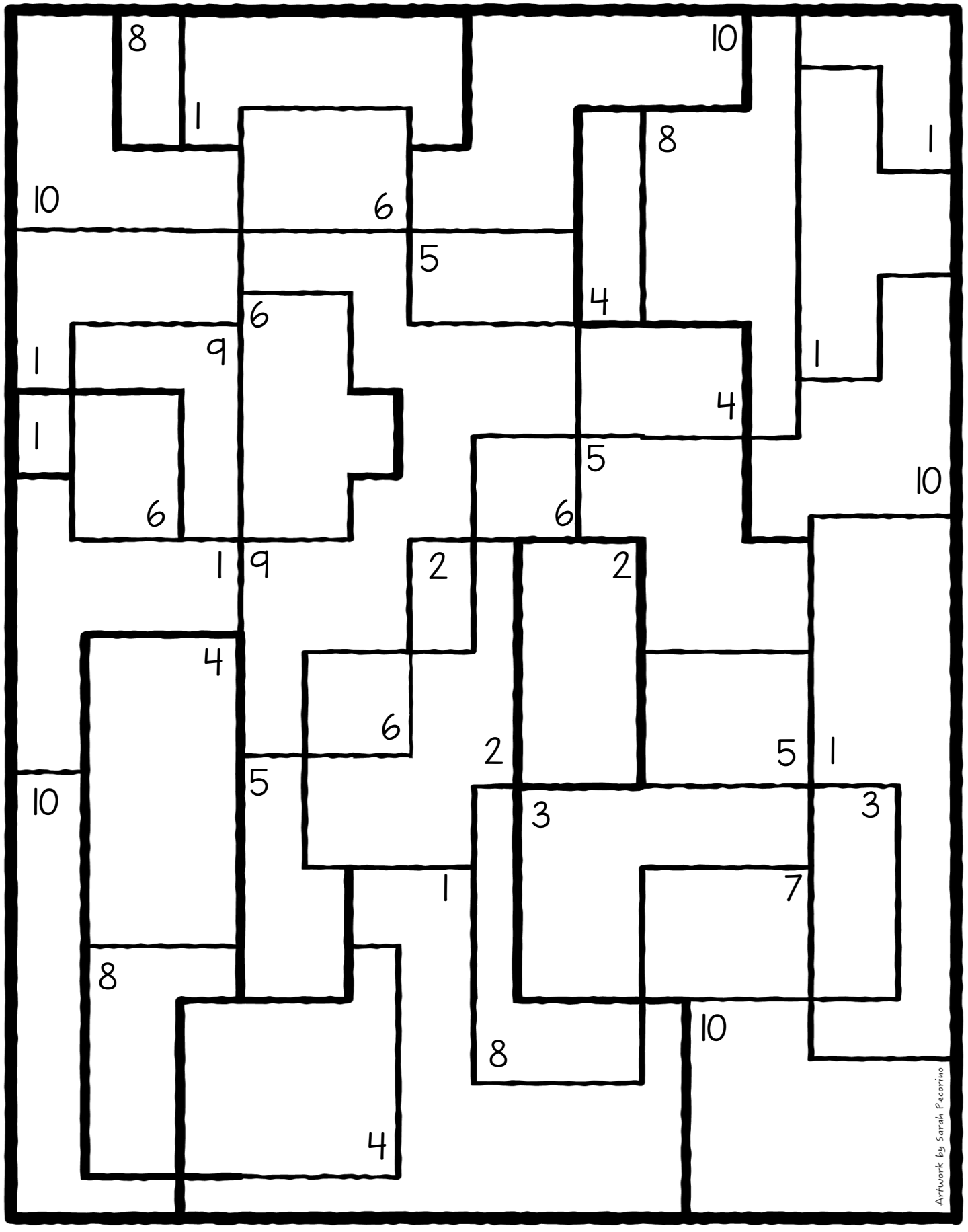
Hayley Cain ACTIVITY after MATH

NAME: _____ DATE: _____ CLASS: _____

Multi-Step Equations - How Many Solutions?

Directions: Solve each equation for the missing variable. You must show ALL your work! Circle the correct answer and color the corresponding areas on the coloring sheet.

1. $-(6x - 5) = -6x + 13$	$x = \frac{17}{12}$ **Brown**	No solution **Red**	$x = -\frac{17}{12}$ **Orange**	Infinite Solutions **Yellow**
2. $13 + 2k = 3k + 4(k - 3)$	$k = 5$ **Yellow**	$k = -5$ **Black**	$k = \frac{1}{5}$ **Red**	No solution **Green**
3. $-5(-5 + 4a) = -23 - 8a$	$a = -4$ **Orange**	$a = \frac{1}{4}$ **Yellow**	$a = 4$ **Green**	Infinite Solutions **Purple**
4. $2x + 12 = 2(x + 6)$	$x = 0$ **Orange**	Infinite Solutions **Pink**	No solution **Blue**	$x = 8$ **Red**
5. $8n - 2(n + 5) = -3 + 6n$	$n = -13$ **Yellow**	$n = 13$ **Red**	Infinite Solutions **Green**	No solution **Orange**
6. $-16 - 6x = -6(x + 3)$	No solution **Lt. Blue**	$x = -\frac{1}{6}$ **Blue**	$x = \frac{1}{6}$ **Orange**	Infinite Solutions **Lt. Green**
7. $-4(5 + 3x) = -30 - 7x$	$x = 2$ **Lt. Green**	$x = -10$ **Red**	$x = -2$ **Blue**	$x = 10$ **Green**
8. $-7(n + 2) = -14 - 7n$	$n = 14$ **Green**	Infinite Solutions **Pink**	$n = -4$ **Purple**	$n = 4$ **Red**
9. $4 - 7n = -(8n + 4) + 2$	$n = -6$ **Blue**	$n = 6$ **Red**	No solution **Brown**	Infinite Solutions **Purple**
10. $7n + 12 = \frac{1}{2}(14n + 24)$	No solution **Purple**	$n = 0$ **Brown**	$n = 6$ **Green**	Infinite Solutions **Red**



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Multi-Step Equations - How Many Solutions?

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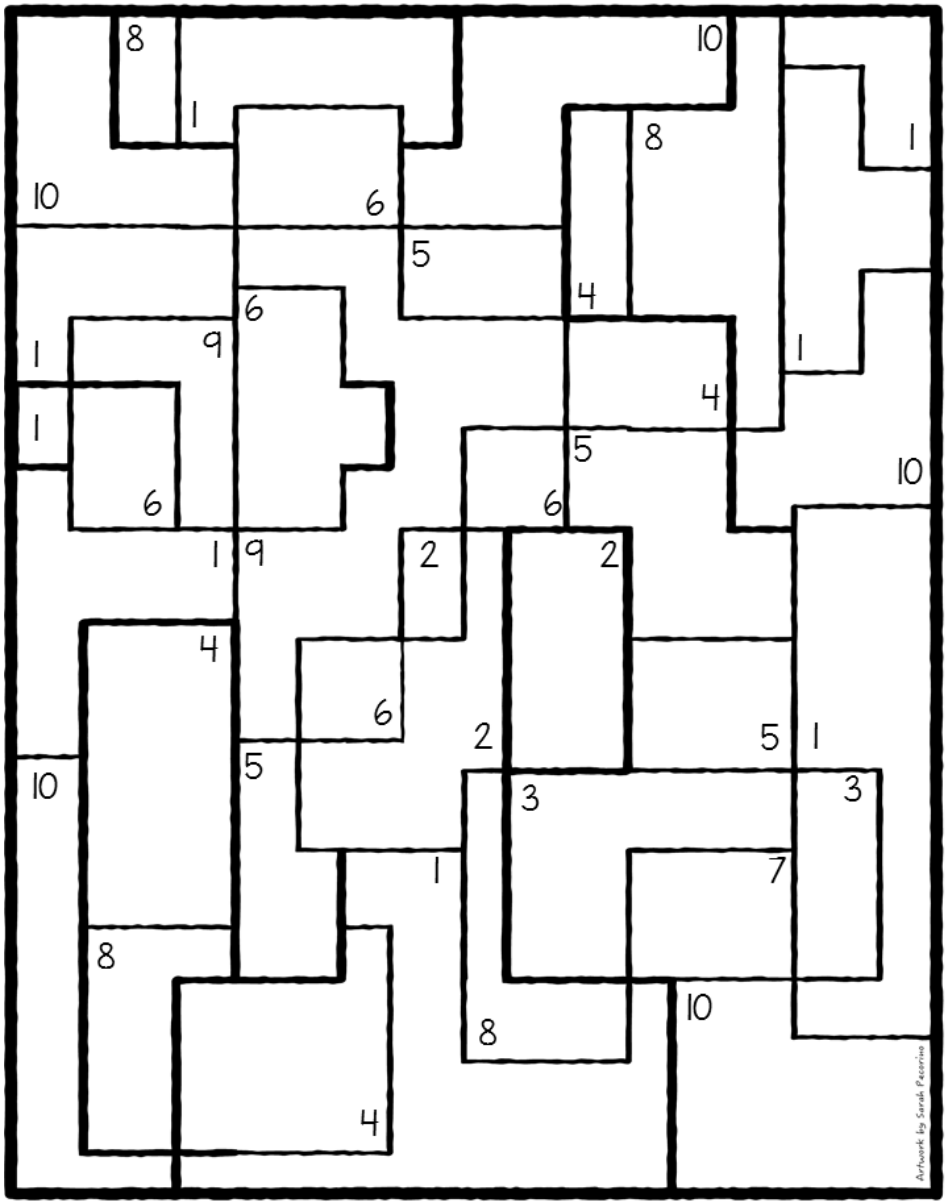

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Multi-Step Equations - How Many Solutions? KEY

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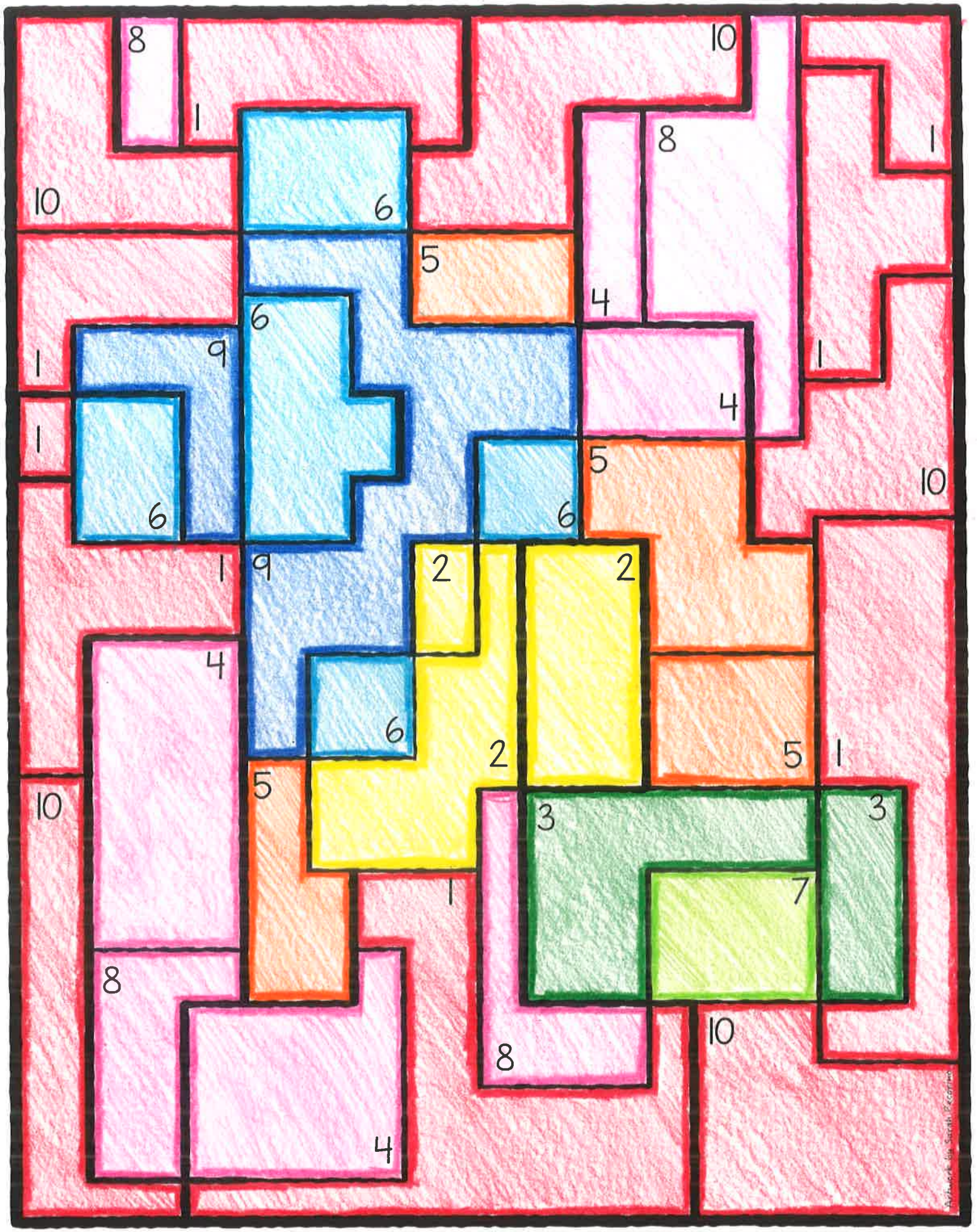

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