

SHAMROCKIN' EQUATIONS

Directions: Solve each equation. Identify Set 1 and Set 2, then color the shamrock accordingly.

1

$$13x + 7 = 8x + 27$$

3

$$-5x + 2 = 10 - 9x$$

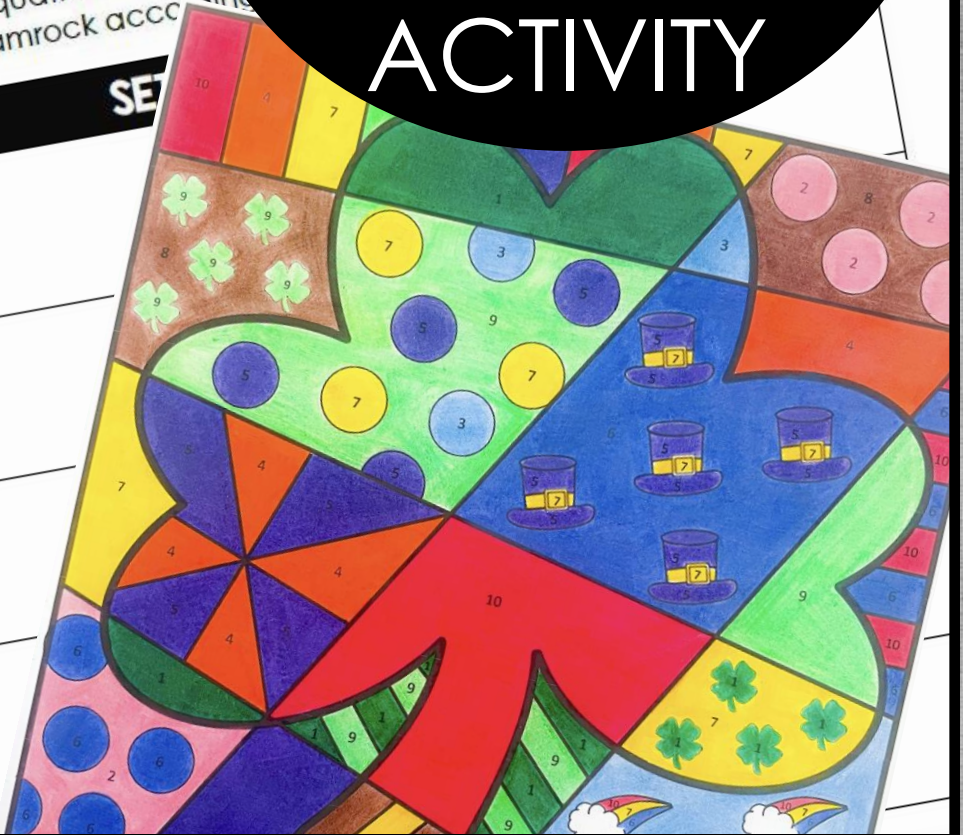
5

$$12 - 9x = -3(x + 10)$$

7

$$-5(2x - 6) = 4(x + 11)$$

COLORING ACTIVITY



Multi-Step EQUATIONS

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MULTI-STEP EQUATIONS

Coloring Activity!

Objective: To practice solving multi-step equations. This includes distributing, combining like terms, and variables on both sides.

Directions:

- 1) Copy the equations sheet and shamrock coloring picture for each student. I typically copy the coloring sheet on the back to save paper. I have my students show all work on a separate sheet of notebook paper.
- 2) If working in partners, Partner A does Column 1 and Partner B does column 2. They check with each other for matching answers in order to determine how to color the shamrock.

For example, if #1 is $x = 4$ and Dark Green is also $x = 4$, then all 1's on the picture are dark green. If #2 is $x = -9$ and Pink is $x = -9$, then all 2's on the picture are pink. And so on.

This can also be used as an independent activity where each student completes both columns (20 total problems).

- 3) After finding solving all the problems, students can color the picture. I have them staple their work to the paper and turn in for a classwork grade.

SHAMROCKIN' EQUATIONS *Coloring Activity!*

Directions: Solve each equation. Identify matching answers between Set 1 and Set 2, then color the shamrock accordingly. **STAPLE ALL WORK TO THIS PAPER!**

SET 1	
1 $13x + 7 = 8x + 27$	2 $2x - 1 = 7x + 44$
3 $-5x + 2 = 10 - 9x$	4 $2(4x - 3) = 4x - 78$
5 $12 - 9x = -3(x + 10)$	6 $8x - 2(x + 9) = x + 47$
7 $-5(2x - 6) = 4(x + 11)$	8 $13x - 33 = 7(2x - 4)$
9 $-6x + 18 = 7 - (4x + 9)$	10 $10 + 8(2x + 4) = 8 - x$

SET 2	
RED $4x + 10 = 7x + 16$	ORANGE $10x - 3 = 8x - 39$
YELLOW $-6x + 11 = 7 - 10x$	LIGHT GREEN $4(3x - 1) = 5x + 66$
DARK GREEN $6 - 6x = -2(x + 5)$	LIGHT BLUE $17x - 9(x + 4) = 3x - 26$
DARK BLUE $-8(2x - 9) = 20 - 12x$	PURPLE $5x - 11 = 6(2x - 10)$
PINK $-7x - 27 = 8 - (x - 19)$	BROWN $13 + 3(3x + 8) = x - 3$

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