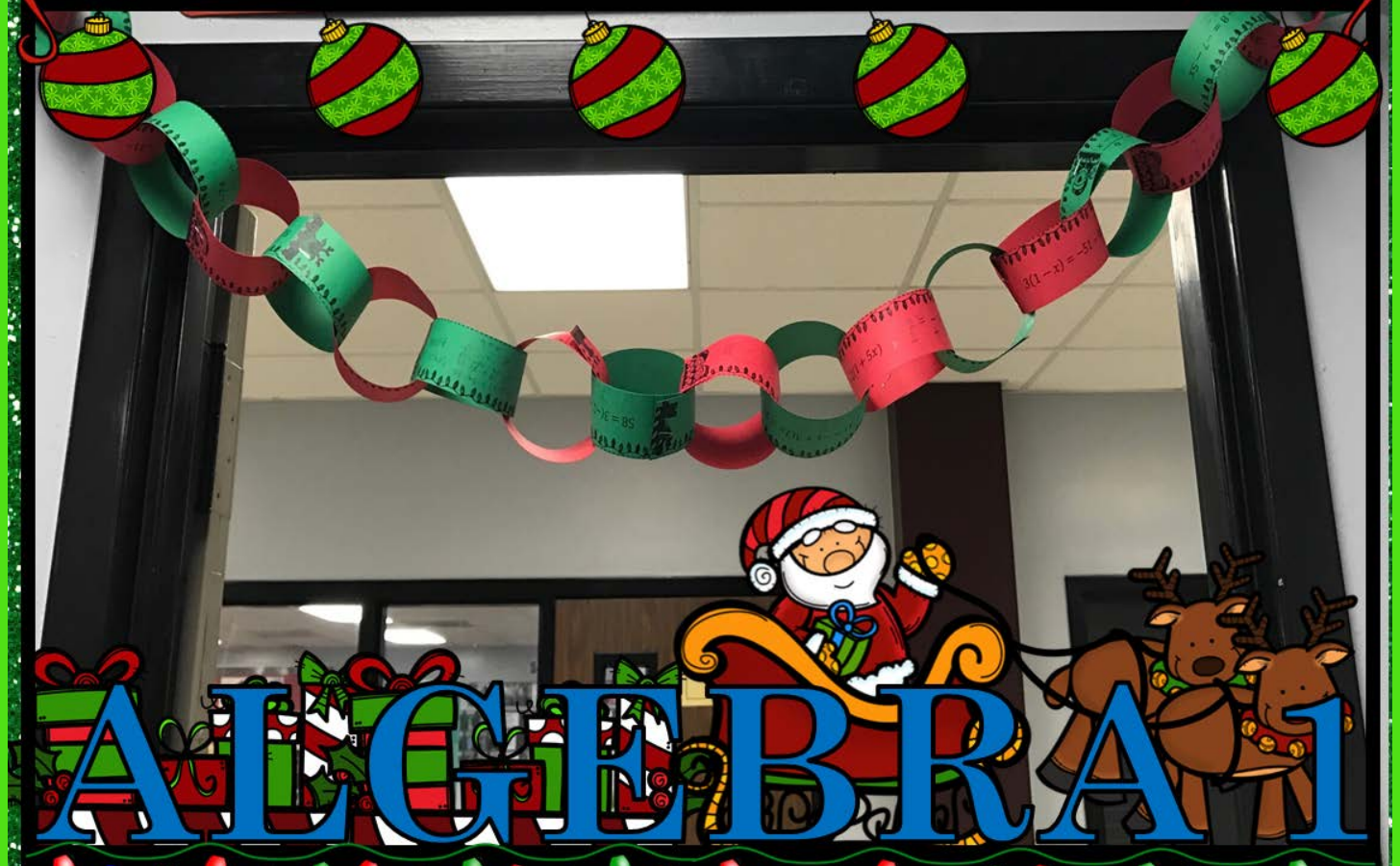
HOLIDAY GARLAND



ALGEBRA 1

SOLVING SYSTEMS of EQUATIONS

Using ANY Method

Algebra ACCENTS

Mom. Teacher. Curriculum Designer.

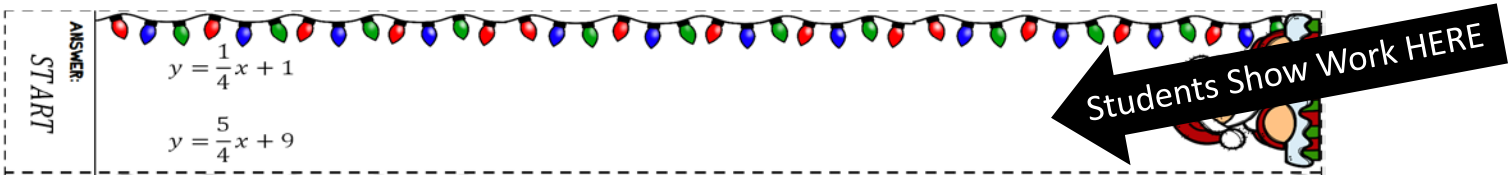
TEACHER PREP

For a more colorful and decorative effect, print each page (3-6) in alternating colored paper using two different colors. The final answer will result in alternating colors. I printed pages 3 and 5 in Red and 4 and 6 in Green for holiday cheer! ☺

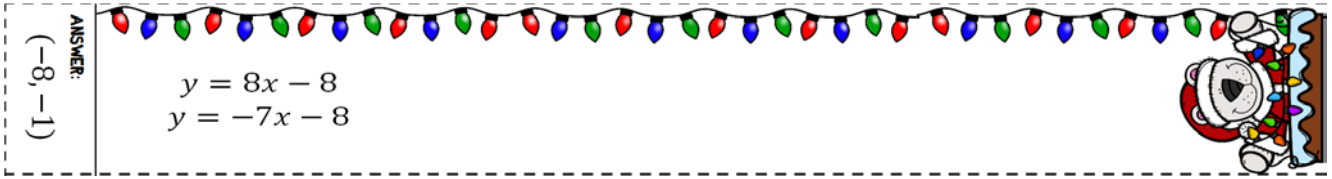
Give students the following directions:

Cut all pages along the dashed lines. There will be 5 strips per page for a total of 20 problems.

Problem #1 is labeled "START" on the left tab. Answer the problem on the strip and show your work in the space provided BEFORE taping or stapling the strip together to form the first link in your chain.



The answer to Problem #1 will lead you to the next problem. Remember to do the problem on the strip first before linking together so you can use a flat surface to write on.



Problem #20 is the last link in the activity. Put your name and date on the final strip.

ANSWER: *START*

$y = \frac{1}{4}x + 1$

$y = \frac{5}{4}x + 9$

ANSWER: $(-2,7)$

$2x - 3y = -21$

$x + 6y = 12$

ANSWER: $(-2,-5)$

$14 = 5x - 7y$

$0 = y - 3$

ANSWER: $(-4,-3)$

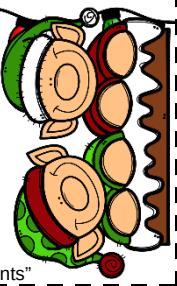
$y = -2x + 5$

$2x + 3y = 15$

ANSWER: $(-6,-8)$

$2x - 5y = 23$

$y = 3x - 15$



$y = 8x - 8$
$y = -7x - 8$

ANSWER: $(-8, -1)$

$y = 2x + 5$
$y = -6x - 3$

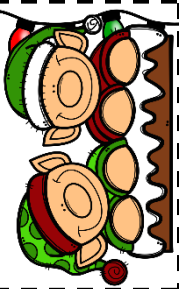
ANSWER: $(-6,3)$

$x + 3y = 12$
$4x + 3y = 21$

ANSWER: $(7,3)$

$x - 2y = 4$
$3x + 2y = -12$

ANSWER: $(0,5)$



$y = -3x + 10$
$-6x - 2y = -20$

ANSWER: $(4, -3)$

ANSWER: $(0, -8)$

$y = -3x + 6$
$y = -7x + 10$

ANSWER: $(-1,3)$

$7x + y = 15$
$3x + 4y = -15$

ANSWER: $(3,3)$

$-7x + 9y = -3$
$5x - 9y = -3$

ANSWER: $(-2, -3)$

$-10x - y = 2$
$40x + 4y = -16$

ANSWER: *Infinitely Many Solutions*

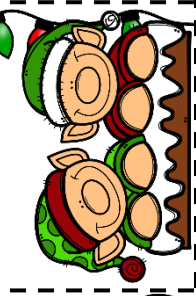
$-4x - 4y = 4$
$6x + 17 - 5y = 0$

$6x + y = -5$
$-5x - y = 3$

ANSWER: $(1,3)$

$-4x + 2y = -2$
$y = -5$

ANSWER: $(3,-6)$



$-6x + 9y = -3$
$6x + y = -27$

ANSWER: $(3,2)$

$7x - 9y = 30$
$10x - 8y = 4$

ANSWER: *No Solution*

Happy Holidays!

Name: Date:

ANSWER: $(-2,1)$

ANSWER KEYS

ANSWER: START

$y = \frac{1}{4}x + 1$

$y = \frac{5}{4}x + 9$

$(-8, -1)$

ANSWER: $(-2,7)$

$2x - 3y = -21$

$x + 6y = 12$

$(-6,3)$

ANSWER: $(-2, -5)$

$14 = 5x - 7y$

$0 = y - 3$

$(7, 3)$

ANSWER: $(-4, -3)$

$y = -2x + 5$

$2x + 3y = 15$

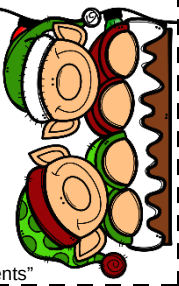
$(0, 5)$

ANSWER: $(-6, -8)$

$2x - 5y = 23$

$y = 3x - 15$

$(4, -3)$



ANSWER KEYS

ANSWER: $(-8,-1)$

$y = 8x - 8$
$y = -7x - 8$

$(0, -8)$

ANSWER: $(-6,3)$

$y = 2x + 5$
$y = -6x - 3$

$(-1, 3)$

ANSWER: $(7,3)$

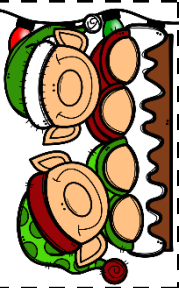
$x + 3y = 12$
$4x + 3y = 21$

$(3, 3)$

ANSWER: $(0,5)$

$x - 2y = 4$
$3x + 2y = -12$

$(-2, -3)$



ANSWER: $(4,-3)$

$y = -3x + 10$
$-6x - 2y = -20$

Infinitely Many Solutions

ANSWER KEYS

ANSWER: $(0,8)$

$y = -3x + 6$
$y = -7x + 10$

$(1, 3)$

ANSWER: $(-1,3)$

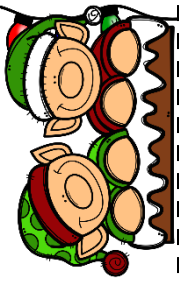
$7x + y = 15$
$3x + 4y = -15$

$(3, -6)$

ANSWER: $(3,3)$

$-7x + 9y = -3$
$5x - 9y = -3$

$(3, 2)$



ANSWER: $(-2, -3)$

$-10x - y = 2$
$40x + 4y = -16$

No Solution

ANSWER: *Infinitely Many Solutions*

$-4x - 4y = 4$
$6x + 17 - 5y = 0$

$(-2, 1)$

ANSWER KEYS

$6x + y = -5$
$-5x - y = 3$

ANSWER: $(-2, 7)$

$-4x + 2y = -2$
$y = -5$

ANSWER: $(-2, -5)$

$-6x + 9y = -3$
$6x + y = -27$

ANSWER: $(-4, -3)$

$7x - 9y = 30$
$10x - 8y = 4$

ANSWER: $(-6, -8)$

ANSWER: $(-2,1)$

Happy Holidays!

Name: Date:

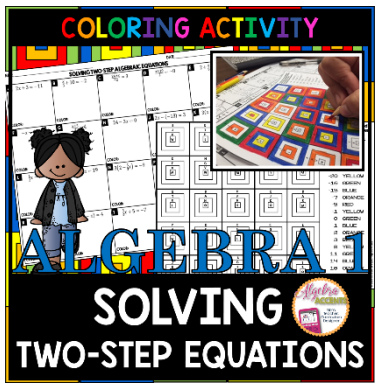
ANSWER: $(3, -6)$

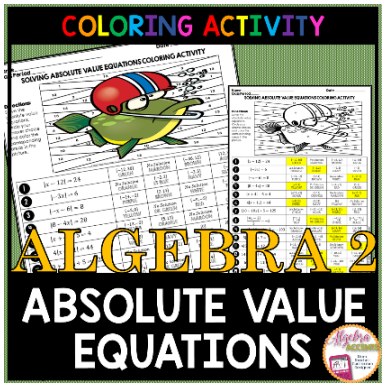
ANSWER: $(3,2)$

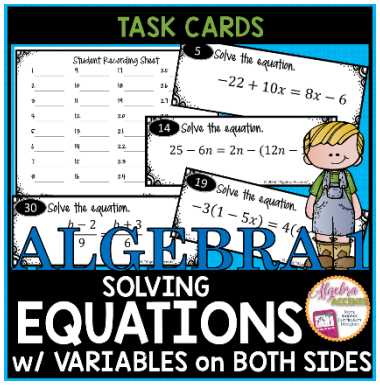
ANSWER: *No Solution*

Need more resources for this unit?

Click on the product image for more details.







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Have Questions? Email Me! ☺ Marie.DLR@AlgebraAccents.com

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