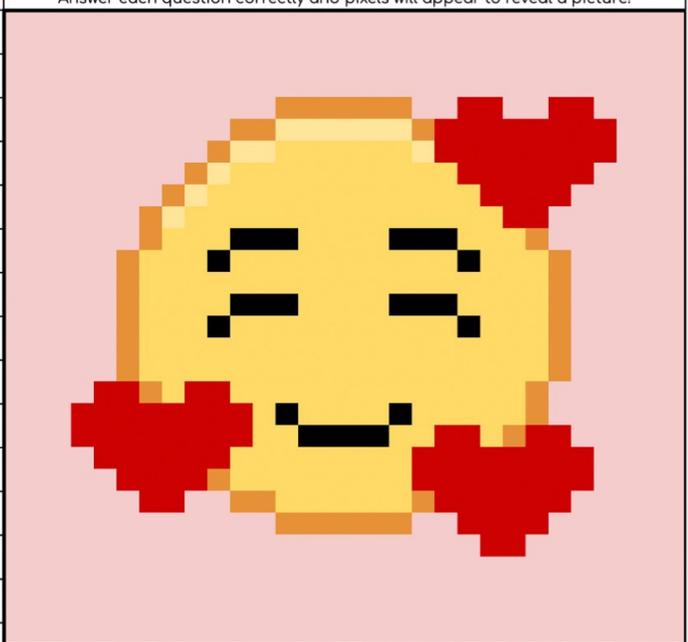*keep scrolling* to get a sneak peek!

Help your Algebra students practice **factoring trinomials when A is 1**. Students will be eager to get the self-checking benefits from this digital pixel art activity!

FACTORING TRINOMIALS WHEN A IS 1

Directions: Completely factor each polynomials. Do not put spaces in your answer. Answer each question correctly and pixels will appear to reveal a picture!

#	Question	Answer
1	$x^2 + 5x - 50$	
2	$x^2 - 8x - 9$	
3	$x^2 + 6x - 16$	
4	$x^2 - 11x + 24$	
5	$x^2 - 10x + 21$	
6	$x^2 + 17x + 72$	
7	$x^2 + 15x + 54$	
8	$x^2 - 5x + 6$	
9	$x^2 - 12x + 27$	
10	$x^2 + 2x - 24$	
11	$x^2 - 8x + 7$	
12	$x^2 + 10x + 25$	
13	$x^2 - 5x - 14$	
14	$x^2 - 4x + 3$	
15	$x^2 - 6x + 9$	

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Self-Checking

why do you need this?

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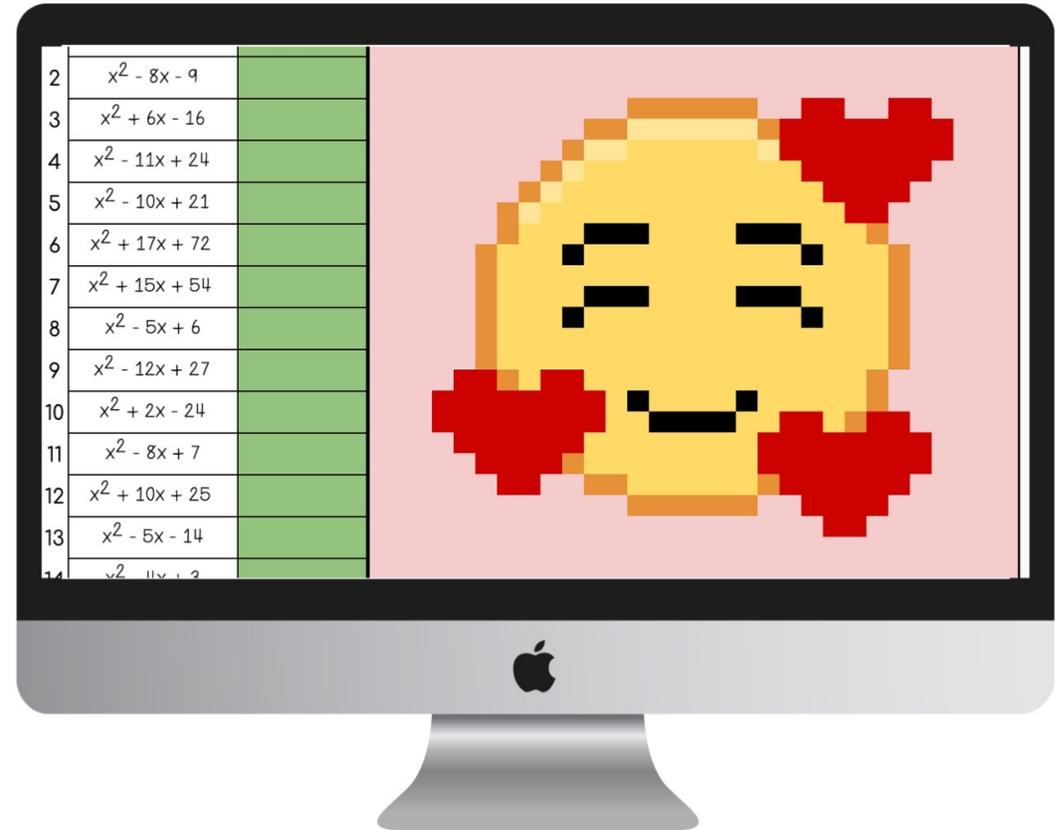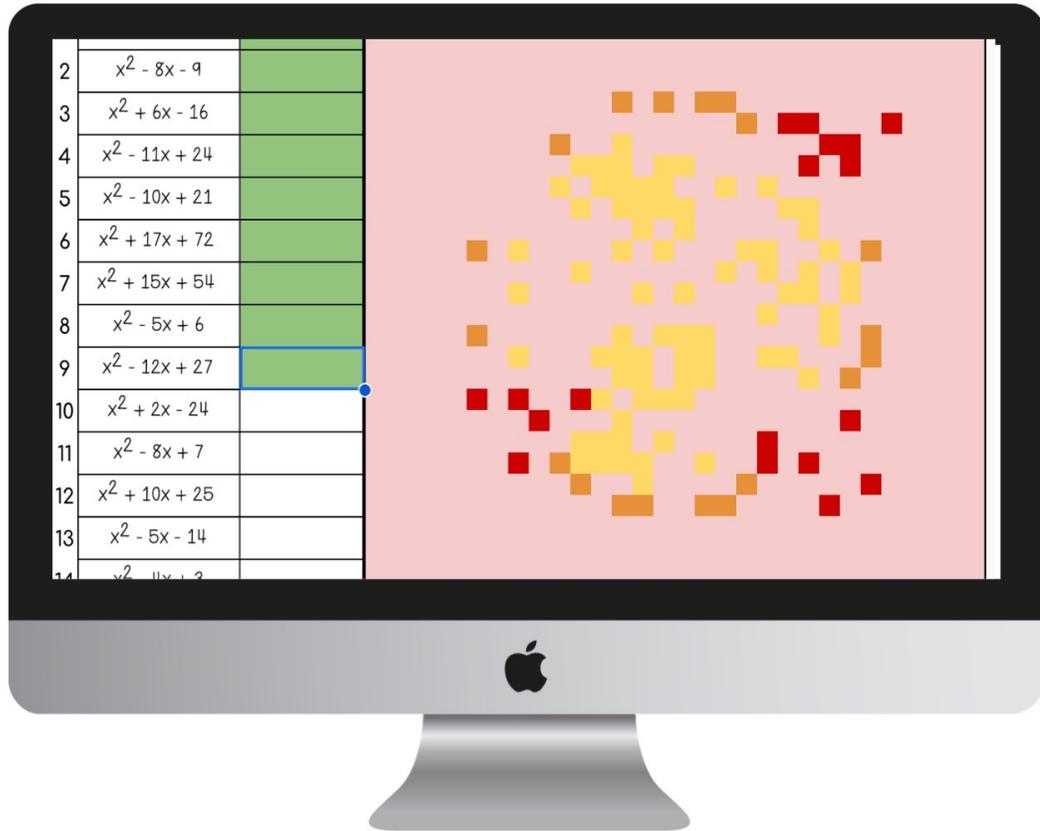
🖊️ Help your students practice this essential math skill.

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

Factoring Trinomials A = 1 Pixel Art

2	$x^2 - 8x - 9$
3	$x^2 + 6x - 16$
4	$x^2 - 11x + 24$
5	$x^2 - 10x + 21$
6	$x^2 + 17x + 72$
7	$x^2 + 15x + 54$
8	$x^2 - 5x + 6$
9	$x^2 - 12x + 27$
10	$x^2 + 2x - 24$
11	$x^2 - 8x + 7$
12	$x^2 + 10x + 25$
13	$x^2 - 5x - 14$
14	$x^2 - 11x + 3$

Factoring Trinomials A = 1 Pixel Art *includes*:

✅ 15 self-checking problems

✅ an answer key
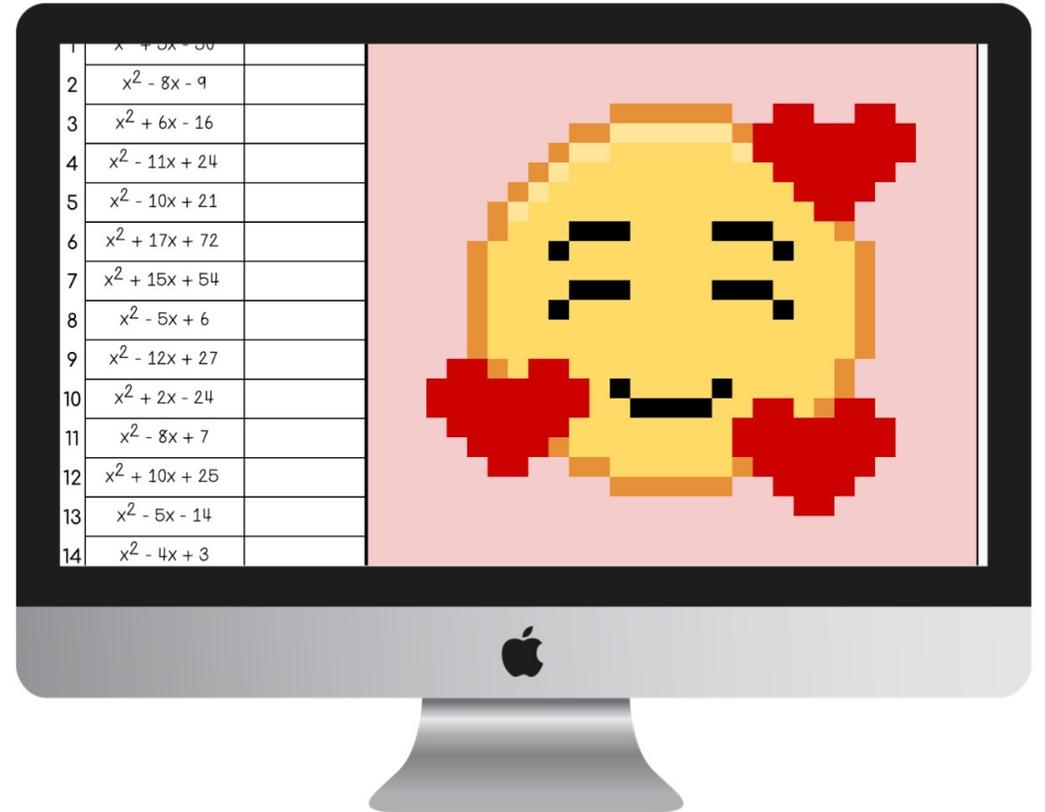
✅ a self-checking version

✅ an assessment version

Factoring Trinomials A = 1 Pixel Art

standards covered:

CCSS: HSF-BF.A.1.b
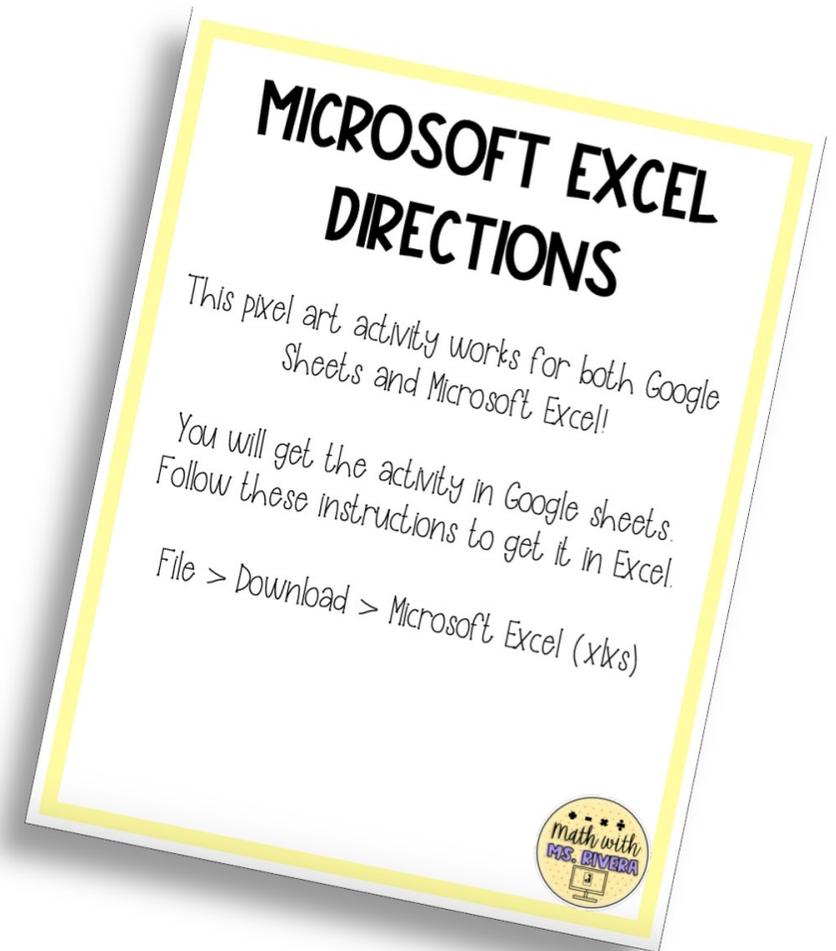
TEKs: A1.10.A, A1.10.B, A1.10.C

VA SOLs: EO.A.2.b

#		
1	$x^2 + 3x - 30$	
2	$x^2 - 8x - 9$	
3	$x^2 + 6x - 16$	
4	$x^2 - 11x + 24$	
5	$x^2 - 10x + 21$	
6	$x^2 + 17x + 72$	
7	$x^2 + 15x + 54$	
8	$x^2 - 5x + 6$	
9	$x^2 - 12x + 27$	
10	$x^2 + 2x - 24$	
11	$x^2 - 8x + 7$	
12	$x^2 + 10x + 25$	
13	$x^2 - 5x - 14$	
14	$x^2 - 4x + 3$	

Factoring Trinomials A = 1 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)

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Factoring Trinomials A = 1 Pixel Art

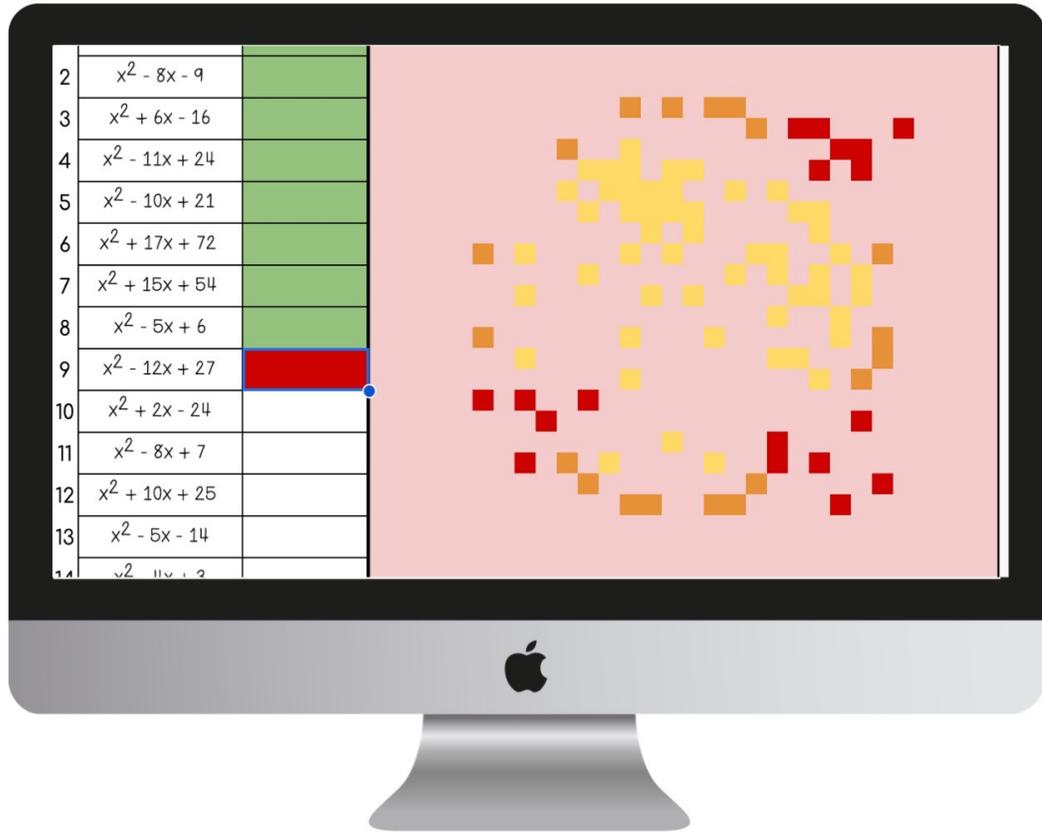If they answer it correctly, some of the pixels will appear.
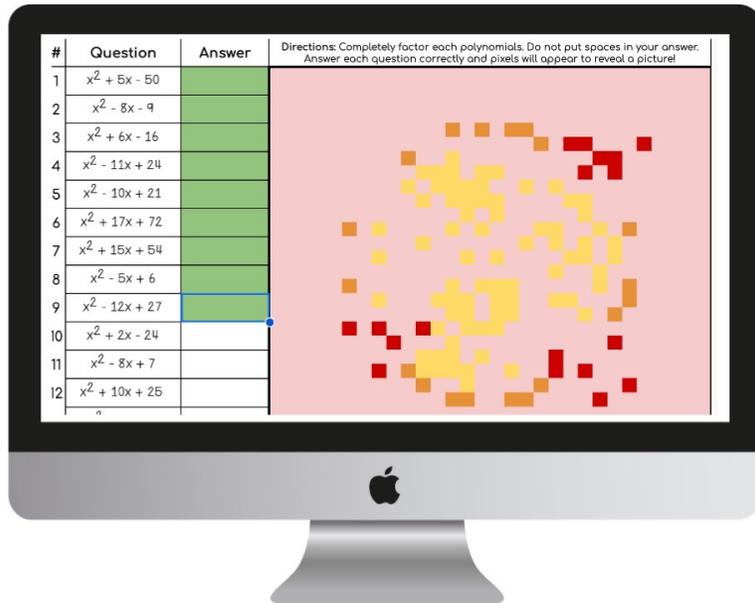
If they answer it incorrectly, the answer box will turn red & no pixels appear.
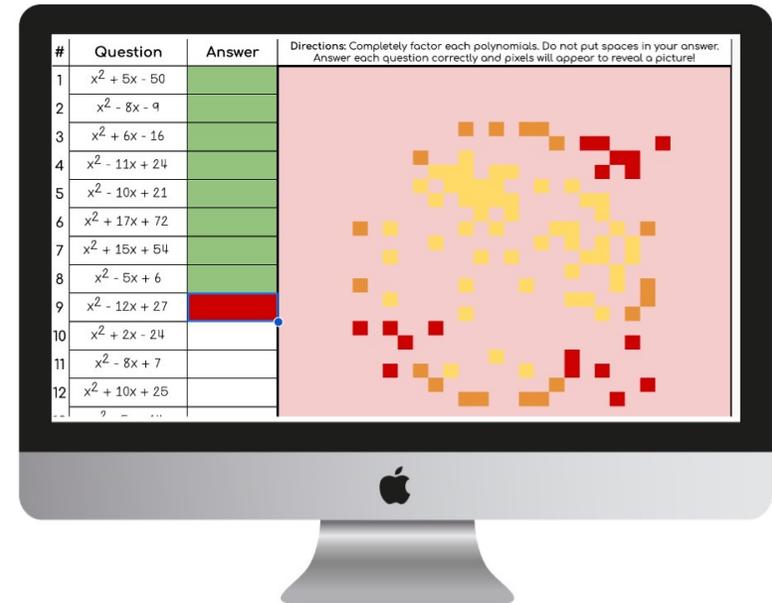
Your students will *love* tying to figure out what the picture is WHILE doing math!

This is a great activity to use when reviewing how to factor trinomials when a is 1.

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

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

You may also *enjoy*...

FACTORING A IS NOT 1
Task Cards

H Completely factor the trinomial.

$10x^2 - 26x + 12$

K Completely factor the trinomial.

$-3x^2 - 17x - 10$

P Completely factor the trinomial.

$8x^2 + 16x + 6$

B Completely factor the trinomial.

$-x^2 + 8x -$

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FACTORING TRINOMIALS A > 1 PIXEL ART

#	Question	Answer
1	$9x^2 - 9x - 28$	
2	$5x^2 + 64x - 84$	
3	$8x^2 + 39x + 28$	
4	$4x^2 + x - 18$	
5	$10x^2 + 31x - 36$	
6	$6x^2 - x - 40$	
7	$4x^2 - 3x - 7$	
8	$2x^2 + 23x + 65$	
9	$10x^2 + 23x + 12$	
10	$3x^2 - 32x - 48$	
11	$6x^2 - 13x + 5$	
12	$8x^2 - 33x + 4$	
13	$11x^2 - 21x + 10$	
14	$6x^2 - 7x - 90$	
15	$7x^2 + 27x - 40$	

Directions: Answer each question correctly and pixels will appear to reveal a picture!

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Self-Checking

FACTORING TRINOMIALS A =1
Digital & Print Activity Pack

4 Activities

Factoring Quadratics when a = 1
Directions: Completely factor each quadratic expression

1. $x^2 - 5x - 6$
2. $x^2 + 14x + 48$
3. $x^2 - 7x - 30$
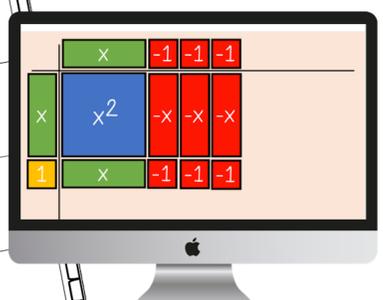4. $x^2 + 5x + 6$
5.
6. $x^2 - x - 30$
7.
8. $x^2 - 10x + 21$

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check it out!

hey there!

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