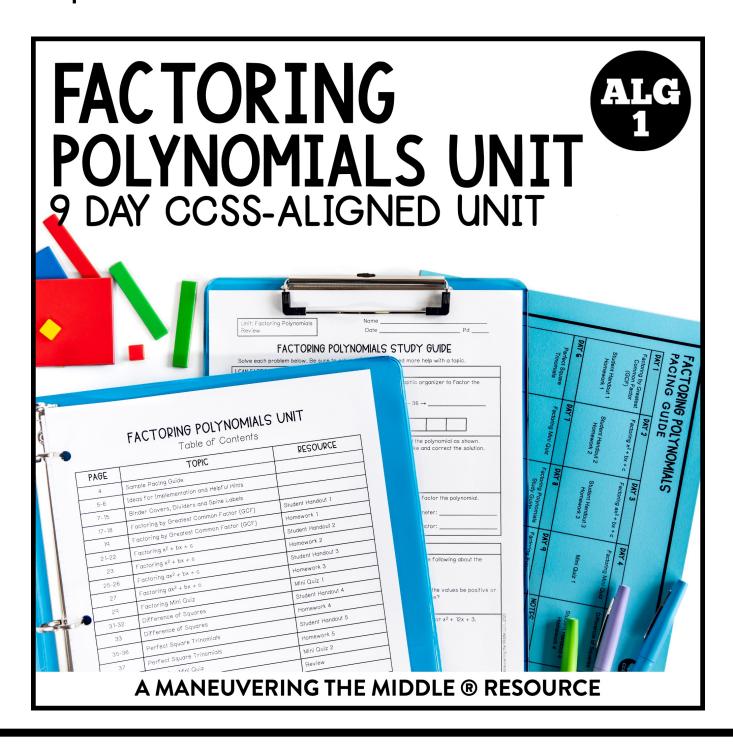
learning focus:

- factor trinomials by using a gcf
- factor difference of two squares and perfect square trinomials





a 9 day CCSS-aligned unit

CCSS: A.APR.1, A.SSE.2

ready-to-go, scaffolded student materials

FACTORING POLYNOMIALS UNIT

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a 9 day CCSS-aligned unit CCSS: A.APR.1, A.SSE.2

student friendly + real-world application

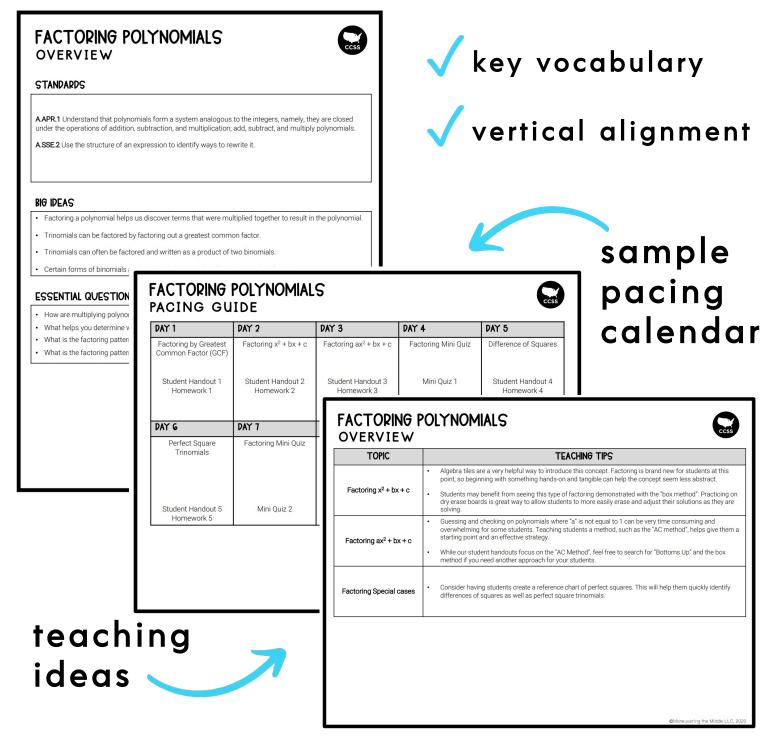
Unit: Factoring Polynomials Student Handout 3 Pd			scaffolded concepts	
one. Use the checklist to help you factor t		4x + 20		
Is there a GCF that can be factored				
2. Is the polynomial of the form $x^2 + bx$		and then answer questions 6-9.		
 Is the polynomial of the form ax² + b 	3. $6x^2 - 11x + 3$	4. 2k ² – 5k – 12	$3x^2 + 3x - 90$	
Next, complete step 1 and 2 of the checklis				
To factor a polynomial of the form $ax^2 + b$ "AC" method) to help. Follow the steps in the				
b. 3x ² + 8x + 5				
		Unit: Factoring Poly	nomials Name	
	6. Is it possible to have a polyn	nomial of Homework 3	Date	Pd
3x ² + 5	your answer with an example.	If no, ex	FACTORING AX ² + B	X + C
		Faston again of the no	olynomials in 1–6 and use the answer ba	
		choices will be used.	pynomiais in 1-6 and use the answer ba	rik to check your work. Not all
	7. Trent factors $4x^2 + 13x + 3$ that his integers must add to 1	. He dete (2x - 5)	6x-1) $(x+9)$ $(7x-2)$	(x+2) $(3x-1)$ $(6x+1)$
Follow the steps above to factor each tring	12. He sets up his factors as	shown be (x o) (4x + 3	(3x+1) $(4x-3)$ $(x-1)$	1) $(2x+3)$ $(7x+2)$
1. 4x ² + 12x + 5 ✓ CHECK:	Determine his mistake and corpolynomial.			• • • • • • • • • • • • • • • • • • • •
	(x + 12)(x +	1. $7x^2 + 16x + 4$	$2.3x^2 + 26x - 9$	3. 12x ² – 28x – 5
	Paulo has a vintage record	player in		
:	The volume of the player is 10 possible dimensions for the le		5. 4x ² - x - 3	6. 21x ² + x - 2
	(Hint: V = lwh)			
	Summarize today's lesson:	Use your knowledge	of factoring to answer questions 7 and	18
		7. Fernando and Ris	a are factoring 8. Lawson	is pouring a rectangular concrete
		and selected a pair of	of integers. Which student area of 5>	s doghouse. The slab will cover an c ² + 12x - 9 square feet. Write
		is correct? Explain y FERNANDO	dimension	ns that represent possible s for the length and width of the
_	.aia -	FACTORS SUM	RISA concrete s	
			4 1	
ror analy	/515	16 -5	-3 · 10 7	
ror analy	/515	1 · -6 -5 -1 · 6 5 2 · -3 -1	-3 · 10	



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streamline your planning process with unit overviews

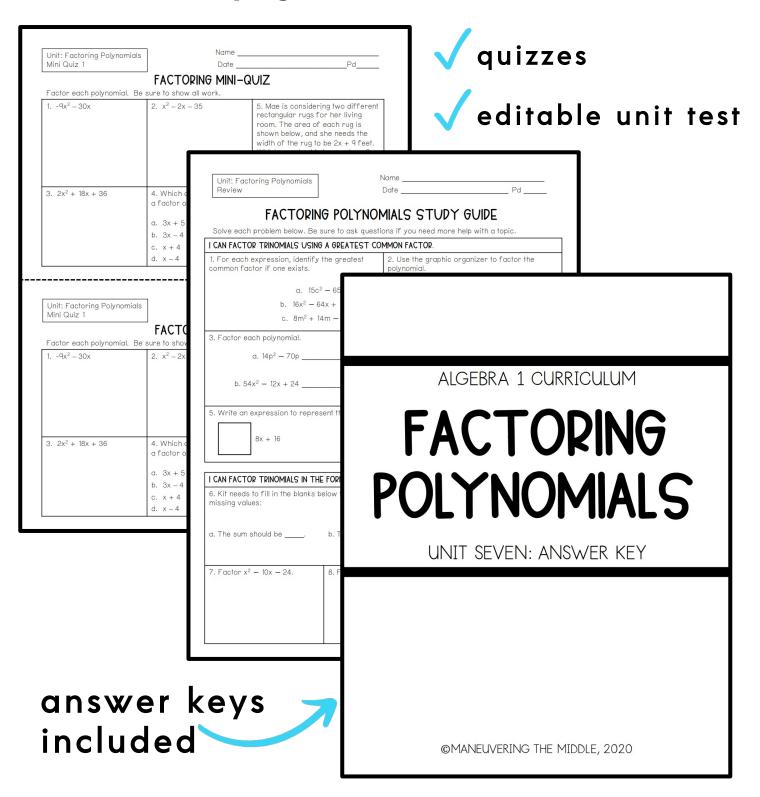


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unit study guide + assessments



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