

PREVIEW

CLOSE

Quiz: Factoring Polynomials with Tiles

Question 1a of 12 (2 Using tiles to find the factors of a polynomial 91000)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer:

$(x+2)(x+3)$, $(x+3)(x+2)$, $(1x+2)(1x+3)$, $(1x+3)(1x+2)$, $(x+2)*(x+3)$,
 $(x+3)*(x+2)$, $(1x+2)*(1x+3)$, $(1x+3)*(1x+2)$, $(x^1+2)(x^1+3)$,
 $(x^1+3)(x^1+2)$, $(1x^1+2)(1x^1+3)$, $(1x^1+3)(1x^1+2)$, $(x^1+2)*(x^1+3)$,
 $(x^1+3)*(x^1+2)$, $(1x^1+2)*(1x^1+3)$, $(1x^1+3)*(1x^1+2)$

Question:

The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$x^2 + 5x + 6$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x + 3)$.

Question 1b of 12 (2 Using tiles to find the factors of a polynomial 287335)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer:

$(x+2)(x+4)$, $(x+4)(x+2)$, $(1x+2)(1x+4)$, $(1x+4)(1x+2)$, $(x+2)*(x+4)$,
 $(x+4)*(x+2)$, $(1x+2)*(1x+4)$, $(1x+4)*(1x+2)$, $(x^1+2)(x^1+4)$,
 $(x^1+4)(x^1+2)$, $(1x^1+2)(1x^1+4)$, $(1x^1+4)(1x^1+2)$, $(x^1+2)*(x^1+4)$,
 $(x^1+4)*(x^1+2)$, $(1x^1+2)*(1x^1+4)$, $(1x^1+4)*(1x^1+2)$

Question:

The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$x^2 + 6x + 8$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x + 4)$.

Question 1c of 12 (2 Using tiles to find the factors of a polynomial 287336)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+1)(x+7), (x+7)(x+1), (1x+1)(1x+7), (1x+7)(1x+1), (x+1)*(x+7), (x+7)*(x+1), (1x+1)*(1x+7), (1x+7)*(1x+1), (x^1+1)(x^1+7), (x^1+7)(x^1+1), (1x^1+1)(1x^1+7), (1x^1+7)(1x^1+1), (x^1+1)*(x^1+7), (x^1+7)*(x^1+1), (1x^1+1)*(1x^1+7), (1x^1+7)*(1x^1+1)$

Question: The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$x^2 + 8x + 7$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 7)$.

Question 2a of 12 (2 Using tiles to find the factors of a polynomial 91001)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+5)(x+1), (x+1)(x+5), (1x+5)(1x+1), (1x+1)(1x+5), (x+5)*(x+1), (x+1)*(x+5), (1x+5)*(1x+1), (1x+1)*(1x+5), (x^1+5)(x^1+1), (x^1+1)(x^1+5), (1x^1+5)(1x^1+1), (1x^1+1)(1x^1+5), (x^1+5)*(x^1+1), (x^1+1)*(x^1+5), (1x^1+5)*(1x^1+1), (1x^1+1)*(1x^1+5)$

Question: The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$x^2 + 6x + 5$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x + 5)(x + 1).$

Question 2b of 12 (2 Using tiles to find the factors of a polynomial 287337)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+6)(x+1), (x+1)(x+6), (1x+6)(1x+1), (1x+1)(1x+6), (x+6)*(x+1), (x+1)*(x+6), (1x+6)*(1x+1), (1x+1)*(1x+6), (x^1+6)(x^1+1), (x^1+1)(x^1+6), (1x^1+6)(1x^1+1), (1x^1+1)(1x^1+6), (x^1+6)*(x^1+1), (x^1+1)*(x^1+6), (1x^1+6)*(1x^1+1), (1x^1+1)*(1x^1+6)$

Question: The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$x^2 + 7x + 6$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x + 6)(x + 1)$.

Question 2c of 12 (2 Using tiles to find the factors of a polynomial 287338)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer:

$(x+1)(x+4), (x+4)(x+1), (1x+1)(1x+4), (1x+4)(1x+1), (x+1)*(x+4),$
 $(x+4)*(x+1), (1x+1)*(1x+4), (1x+4)*(1x+1), (x^1+1)(x^1+4),$
 $(x^1+4)(x^1+1), (1x^1+1)(1x^1+4), (1x^1+4)(1x^1+1), (x^1+1)*(x^1+4),$
 $(x^1+4)*(x^1+1), (1x^1+1)*(1x^1+4), (1x^1+4)*(1x^1+1)$

Question:

The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$x^2 + 5x + 4$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 4)$.

Question 3a of 12 (2 Using tiles to find the factors of a polynomial 91002)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

(2x+2)(x+1), (x+1)(2x+2), (2x¹+2)(x¹+1), (x¹+1)(2x¹+2),
 (2x+2)(1x+1), (1x+1)(2x+2), (2x¹+2)(1x¹+1), (1x¹+1)(2x¹+2),
 (2x+2)*(x+1), (x+1)*(2x+2), (2x¹+2)*(x¹+1), (x¹+1)*(2x¹+2),
 (2x+2)*(1x+1), (1x+1)*(2x+2), (2x¹+2)*(1x¹+1), (1x¹+1)*(2x¹+2),
 2(x+1)², 2(1x+1)², 2(x¹+1)², 2(1x¹+1)², (2)(x+1)², (2)(1x+1)²,
 (2)(x¹+1)², (2)(1x¹+1)², 2*(x+1)², 2*(1x+1)², 2*(x¹+1)²,
 2*(1x¹+1)², (2)*(x+1)², (2)*(1x+1)², (2)*(x¹+1)², (2)*(1x¹+1)²,
 2(x+1)(x+1), 2(1x+1)(1x+1), 2(x¹+1)(x¹+1), 2(1x¹+1)(1x¹+1),
 (x+1)2(x+1), (1x+1)2(1x+1), (x¹+1)2(x¹+1), (1x¹+1)2(1x¹+1),
 (x+1)(x+1)2, (1x+1)(1x+1)2, (x¹+1)(x¹+1)2, (1x¹+1)(1x¹+1)2,
 2*(x+1)(x+1), 2*(1x+1)(1x+1), 2*(x¹+1)(x¹+1), 2*(1x¹+1)(1x¹+1),
 (x+1)*2*(x+1), (1x+1)*2*(1x+1), (x¹+1)*2*(x¹+1),
 (1x¹+1)*2*(1x¹+1), (x+1)(x+1)*2, (1x+1)(1x+1)*2, (x¹+1)(x¹+1)*2,
 (1x¹+1)(1x¹+1)*2, (2)(x+1)(x+1), (2)(1x+1)(1x+1), (2)(x¹+1)(x¹+1),
 (2)(1x¹+1)(1x¹+1), (x+1)(2)(x+1), (1x+1)(2)(1x+1), (x¹+1)(2)(x¹+1),
 (1x¹+1)(2)(1x¹+1), (x+1)(x+1)(2), (1x+1)(1x+1)(2), (x¹+1)(x¹+1)(2),
 (1x¹+1)(1x¹+1)(2), (2)*(x+1)(x+1), (2)*(1x+1)(1x+1),
 (2)*(x¹+1)(x¹+1), (2)*(1x¹+1)(1x¹+1), (x+1)*(2)*(x+1),
 (1x+1)*(2)*(1x+1), (x¹+1)*(2)*(x¹+1), (1x¹+1)*(2)*(1x¹+1),
 (x+1)(x+1)*(2), (1x+1)(1x+1)*(2), (x¹+1)(x¹+1)*(2),
 (1x¹+1)(1x¹+1)*(2)

Correct Answer:

Question: The tiles represent the polynomial below. What is its factorization? Enter each factor as a polynomial in descending order.

$$2x^2 + 4x + 2$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: (2x + 2)(x + 1).

Question 3b of 12 (2 Using tiles to find the factors of a polynomial 287339)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

(3x+3)(x+1), (x+1)(3x+3), (3x¹+3)(x¹+1), (x¹+1)(3x¹+3),
 (3x+3)(1x+1), (1x+1)(3x+3), (3x¹+3)(1x¹+1), (1x¹+1)(3x¹+3),
 (3x+3)*(x+1), (x+1)*(3x+3), (3x¹+3)*(x¹+1), (x¹+1)*(3x¹+3),
 (3x+3)*(1x+1), (1x+1)*(3x+3), (3x¹+3)*(1x¹+1), (1x¹+1)*(3x¹+3),
 3(x+1)², 3(1x+1)², 3(x¹+1)², 3(1x¹+1)², (3)(x+1)², (3)(1x+1)²,
 (3)(x¹+1)², (3)(1x¹+1)², 3*(x+1)², 3*(1x+1)², 3*(x¹+1)²,
 3*(1x¹+1)², (3)*(x+1)², (3)*(1x+1)², (3)*(x¹+1)², (3)*(1x¹+1)²,
 3(x+1)(x+1), 3(1x+1)(1x+1), 3(x¹+1)(x¹+1), 3(1x¹+1)(1x¹+1),
 (x+1)3(x+1), (1x+1)3(1x+1), (x¹+1)3(x¹+1), (1x¹+1)3(1x¹+1),
 (x+1)(x+1)3, (1x+1)(1x+1)3, (x¹+1)(x¹+1)3, (1x¹+1)(1x¹+1)3,
 3*(x+1)(x+1), 3*(1x+1)(1x+1), 3*(x¹+1)(x¹+1), 3*(1x¹+1)(1x¹+1),
 (x+1)*3*(x+1), (1x+1)*3*(1x+1), (x¹+1)*3*(x¹+1),
 (1x¹+1)*3*(1x¹+1), (x+1)(x+1)*3, (1x+1)(1x+1)*3, (x¹+1)(x¹+1)*3,
 (1x¹+1)(1x¹+1)*3, (3)(x+1)(x+1), (3)(1x+1)(1x+1), (3)(x¹+1)(x¹+1),
 (3)(1x¹+1)(1x¹+1), (x+1)(3)(x+1), (1x+1)(3)(1x+1), (x¹+1)(3)(x¹+1),
 (1x¹+1)(3)(1x¹+1), (x+1)(x+1)(3), (1x+1)(1x+1)(3), (x¹+1)(x¹+1)(3),
 (1x¹+1)(1x¹+1)(3), (3)*(x+1)(x+1), (3)*(1x+1)(1x+1),
 (3)*(x¹+1)(x¹+1), (3)*(1x¹+1)(1x¹+1), (x+1)*(3)*(x+1),
 (1x+1)*(3)*(1x+1), (x¹+1)*(3)*(x¹+1), (1x¹+1)*(3)*(1x¹+1),
 (x+1)(x+1)*(3), (1x+1)(1x+1)*(3), (x¹+1)(x¹+1)*(3),
 (1x¹+1)(1x¹+1)*(3)

Correct Answer:

Question: The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$3x^2 + 6x + 3$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: (3x + 3)(x + 1).

Question 3c of 12 (2 Using tiles to find the factors of a polynomial 287340)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

(2x+4)(x+2), (x+2)(2x+4), (2x¹+4)(x¹+2), (x¹+2)(2x¹+4),
 (2x+4)(1x+2), (1x+2)(2x+4), (2x¹+4)(1x¹+2), (1x¹+2)(2x¹+4),
 (2x+4)*(x+2), (x+2)*(2x+4), (2x¹+4)*(x¹+2), (x¹+2)*(2x¹+4),
 (2x+4)*(1x+2), (1x+2)*(2x+4), (2x¹+4)*(1x¹+2), (1x¹+2)*(2x¹+4),
 2(x+2)², 2(1x+2)², 2(x¹+2)², 2(1x¹+2)², (2)(x+2)², (2)(1x+2)²,
 (2)(x¹+2)², (2)(1x¹+2)², 2*(x+2)², 2*(1x+2)², 2*(x¹+2)²,
 2*(1x¹+2)², (2)*(x+2)², (2)*(1x+2)², (2)*(x¹+2)², (2)*(1x¹+2)²,
 2(x+2)(x+2), 2(1x+2)(1x+2), 2(x¹+2)(x¹+2), 2(1x¹+2)(1x¹+2),
 (x+2)2(x+2), (1x+2)2(1x+2), (x¹+2)2(x¹+2), (1x¹+2)2(1x¹+2),
 (x+2)(x+2)2, (1x+2)(1x+2)2, (x¹+2)(x¹+2)2, (1x¹+2)(1x¹+2)2,
 2*(x+2)(x+2), 2*(1x+2)(1x+2), 2*(x¹+2)(x¹+2), 2*(1x¹+2)(1x¹+2),
 (x+2)*2*(x+2), (1x+2)*2*(1x+2), (x¹+2)*2*(x¹+2),
 (1x¹+2)*2*(1x¹+2), (x+2)(x+2)*2, (1x+2)(1x+2)*2, (x¹+2)(x¹+2)*2,
 (1x¹+2)(1x¹+2)*2, (2)(x+2)(x+2), (2)(1x+2)(1x+2), (2)(x¹+2)(x¹+2),
 (2)(1x¹+2)(1x¹+2), (x+2)(2)(x+2), (1x+2)(2)(1x+2), (x¹+2)(2)(x¹+2),
 (1x¹+2)(2)(1x¹+2), (x+2)(x+2)(2), (1x+2)(1x+2)(2), (x¹+2)(x¹+2)(2),
 (1x¹+2)(1x¹+2)(2), (2)*(x+2)(x+2), (2)*(1x+2)(1x+2),
 (2)*(x¹+2)(x¹+2), (2)*(1x¹+2)(1x¹+2), (x+2)*(2)*(x+2),
 (1x+2)*(2)*(1x+2), (x¹+2)*(2)*(x¹+2), (1x¹+2)*(2)*(1x¹+2),
 (x+2)(x+2)*(2), (1x+2)(1x+2)*(2), (x¹+2)(x¹+2)*(2),
 (1x¹+2)(1x¹+2)*(2)

Correct Answer:

Question: The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$2x^2 + 8x + 8$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: (2x + 4)(x + 2).

Question 4a of 12 (2 Using tiles to find the factors of a polynomial 91003)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

(2x+1)(2x+2), (2x+2)(2x+1), (2x+1)*(2x+2), (2x+2)*(2x+1),
 (2x¹+1)(2x¹+2), (2x¹+2)(2x¹+1), (2x¹+1)*(2x¹+2),
 (2x¹+2)*(2x¹+1), 2(2x+1)(x+1), 2(x+1)(2x+1), 2*(2x+1)*(x+1),
 2*(x+1)*(2x+1), 2(2x+1)(1x+1), 2(1x+1)(2x+1), 2*(2x+1)*(1x+1),
 2*(1x+1)*(2x+1), 2(2x¹+1)(x¹+1), 2(x¹+1)(2x¹+1),
 2*(2x¹+1)*(x¹+1), 2*(x¹+1)*(2x¹+1), 2(2x¹+1)(1x¹+1),
 2(1x¹+1)(2x¹+1), 2*(2x¹+1)*(1x¹+1), 2(1x¹+1)*(2x¹+1),
 (2x+1)2(x+1), (x+1)2(2x+1), (2x+1)*2*(x+1), (x+1)*2*(2x+1),
 (2x+1)2(1x+1), (1x+1)2(2x+1), (2x+1)*2*(1x+1), (1x+1)*2*(2x+1),
 (2x¹+1)2(x¹+1), (x¹+1)2(2x¹+1), (2x¹+1)*2*(x¹+1),
 (x¹+1)*2*(2x¹+1), (2x¹+1)2(1x¹+1), (1x¹+1)2(2x¹+1),
 (2x¹+1)*2*(1x¹+1), (1x¹+1)*2*(2x¹+1), (2x+1)(x+1)2, (x+1)(2x+1)2,
 (2x+1)*(x+1)*2, (x+1)*(2x+1)*2, (2x+1)(1x+1)2, (1x+1)(2x+1)2,
 (2x+1)*(1x+1)*2, (1x+1)*(2x+1)*2, (2x¹+1)(x¹+1)2, (x¹+1)(2x¹+1)2,
 (2x¹+1)*(x¹+1)*2, (x¹+1)*(2x¹+1)*2, (2x¹+1)(1x¹+1)2,
 (1x¹+1)(2x¹+1)2, (2x¹+1)*(1x¹+1)*2, (1x¹+1)*(2x¹+1)*2,
 (4x+2)(x+1), (x+1)(4x+2), (4x+2)*(x+1), (x+1)*(4x+2), (4x+2)(1x+1),
 (1x+1)(4x+2), (4x+2)*(1x+1), (1x+1)*(4x+2), (4x¹+2)(x¹+1),
 (x¹+1)(4x¹+2), (4x¹+2)*(x¹+1), (x¹+1)*(4x¹+2),
 (4x¹+2)(1x¹+1), (1x¹+1)(4x¹+2), (4x¹+2)*(1x¹+1),
 (1x¹+1)*(4x¹+2)

Correct Answer:

Question: The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$4x^2 + 6x + 2$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: (2x + 1)(2x + 2).

Question 4b of 12 (2 Using tiles to find the factors of a polynomial 287341)

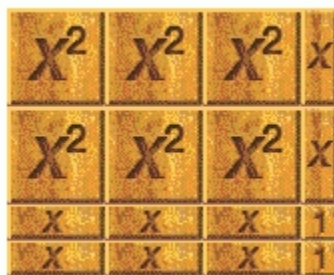
Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

(3x+1)(2x+2), (2x+2)(3x+1), (3x+1)*(2x+2), (2x+2)*(3x+1),
 (3x¹+1)(2x¹+2), (2x¹+2)(3x¹+1), (3x¹+1)*(2x¹+2),
 (2x¹+2)*(3x¹+1), 2(3x+1)(x+1), 2(x+1)(3x+1), 2*(3x+1)*(x+1),
 2*(x+1)*(3x+1), 2(3x+1)(1x+1), 2(1x+1)(3x+1), 2*(3x+1)*(1x+1),
 2*(1x+1)*(3x+1), 2(3x¹+1)(x¹+1), 2(x¹+1)(3x¹+1),
 2*(3x¹+1)*(x¹+1), 2*(x¹+1)*(3x¹+1), 2(3x¹+1)(1x¹+1),
 2(1x¹+1)(3x¹+1), 2*(3x¹+1)*(1x¹+1), 2(1x¹+1)*(3x¹+1),
 (3x+1)2(x+1), (x+1)2(3x+1), (3x+1)*2*(x+1), (x+1)*2*(3x+1),
 (3x+1)2(1x+1), (1x+1)2(3x+1), (3x+1)*2*(1x+1), (1x+1)*2*(3x+1),
 (3x¹+1)2(x¹+1), (x¹+1)2(3x¹+1), (3x¹+1)*2*(x¹+1),
 (x¹+1)*2*(3x¹+1), (3x¹+1)2(1x¹+1), (1x¹+1)2(3x¹+1),
 (3x¹+1)*2*(1x¹+1), (1x¹+1)*2*(3x¹+1), (3x+1)(x+1)2, (x+1)(3x+1)2,
 (3x+1)*(x+1)*2, (x+1)*(3x+1)*2, (3x+1)(1x+1)2, (1x+1)(3x+1)2,
 (3x+1)*(1x+1)*2, (1x+1)*(3x+1)*2, (3x¹+1)(x¹+1)2, (x¹+1)(3x¹+1)2,
 (3x¹+1)*(x¹+1)*2, (x¹+1)*(3x¹+1)*2, (3x¹+1)(1x¹+1)2,
 (1x¹+1)(3x¹+1)2, (3x¹+1)*(1x¹+1)*2, (1x¹+1)*(3x¹+1)*2

Correct Answer:

Question: The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$6x^2 + 8x + 2$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: (3x + 1)(2x + 2).

Question 4c of 12 (2 Using tiles to find the factors of a polynomial 287342)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

Correct Answer:

(6x+2)(x+1), (x+1)(6x+2), (6x+2)*(x+1), (x+1)*(6x+2), (6x+2)(1x+1), (1x+1)(6x+2), (6x+2)*(1x+1), (1x+1)*(6x+2), (6x¹+2)(x¹+1), (x¹+1)(6x¹+2), (6x¹+2)*(x¹+1), (x¹+1)*(6x¹+2), (6x¹+2)(1x¹+1), (1x¹+1)(6x¹+2), (6x¹+2)*(1x¹+1), (1x¹+1)*(6x¹+2), (3x+1)(2x+2), (2x+2)(3x+1), (3x+1)*(2x+2), (2x+2)*(3x+1), (3x¹+1)(2x¹+2), (2x¹+2)(3x¹+1), (3x¹+1)*(2x¹+2), (2x¹+2)*(3x¹+1), 2(3x+1)(x+1), 2(x+1)(3x+1), 2*(3x+1)*(x+1), 2*(x+1)*(3x+1), 2(3x+1)(1x+1), 2(1x+1)(3x+1), 2*(3x+1)*(1x+1), 2*(1x+1)*(3x+1), 2(3x¹+1)(x¹+1), 2(x¹+1)(3x¹+1), 2*(3x¹+1)*(x¹+1), 2*(x¹+1)*(3x¹+1), 2(3x¹+1)(1x¹+1), 2(1x¹+1)(3x¹+1), 2*(3x¹+1)*(1x¹+1), 2(1x¹+1)*(3x¹+1), (3x+1)2(x+1), (x+1)2(3x+1), (3x+1)*2*(x+1), (x+1)*2*(3x+1), (3x+1)2(1x+1), (1x+1)2(3x+1), (3x+1)*2*(1x+1), (1x+1)*2*(3x+1), (3x¹+1)2(x¹+1), (x¹+1)2(3x¹+1), (3x¹+1)*2*(x¹+1), (x¹+1)*2*(3x¹+1), (3x¹+1)2(1x¹+1), (1x¹+1)2(3x¹+1), (3x+1)(x+1)2, (x+1)(3x+1)2, (3x+1)*(x+1)*2, (x+1)*(3x+1)*2, (3x+1)(1x+1)2, (1x+1)(3x+1)2, (3x+1)*(1x+1)*2, (1x+1)*(3x+1)*2, (3x¹+1)(x¹+1)2, (x¹+1)(3x¹+1)2, (3x¹+1)*(x¹+1)*2, (x¹+1)*(3x¹+1)*2, (3x¹+1)(1x¹+1)2, (1x¹+1)(3x¹+1)2, (3x¹+1)*(1x¹+1)*2, (1x¹+1)*(3x¹+1)*2

Question: The tiles represent the polynomial below. What is its factorization? *Enter each factor as a polynomial in descending order.*

$$6x^2 + 8x + 2$$



Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: (6x + 2)(x + 1).

Question 5a of 12 (3 Using tiles to find the factors of a polynomial 91004)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+7)(x+1), (x+1)(x+7), (1x+7)(1x+1), (1x+1)(1x+7), (x+7)*(x+1), (x+1)*(x+7), (1x+7)*(1x+1), (1x+1)*(1x+7), (x^1+7)(x^1+1), (x^1+1)(x^1+7), (1x^1+7)(1x^1+1), (1x^1+1)(1x^1+7), (x^1+7)*(x^1+1), (x^1+1)*(x^1+7), (1x^1+7)*(1x^1+1), (1x^1+1)*(1x^1+7)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 8x + 7$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 7)(x + 1)$.

Question 5b of 12 (3 Using tiles to find the factors of a polynomial 289211)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+2)(x+3), (x+3)(x+2), (1x+2)(1x+3), (1x+3)(1x+2), (x+2)*(x+3), (x+3)*(x+2), (1x+2)*(1x+3), (1x+3)*(1x+2), (x^1+2)(x^1+3), (x^1+3)(x^1+2), (1x^1+2)(1x^1+3), (1x^1+3)(1x^1+2), (x^1+2)*(x^1+3), (x^1+3)*(x^1+2), (1x^1+2)*(1x^1+3), (1x^1+3)*(1x^1+2)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 5x + 6$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x + 3)$.

Question 5c of 12 (3 Using tiles to find the factors of a polynomial 289212)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+3)(x+3), (x+3)^2, (1x+3)(1x+3), (1x+3)^2, (x+3)*(x+3), (1x+3)*(1x+3), (x^1+3)(x^1+3), (x^1+3)^2, (1x^1+3)(1x^1+3), (1x^1+3)^2, (x^1+3)*(x^1+3), (x^1+3)^2, (1x^1+3)*(1x^1+3), (1x^1+3)^2$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 6x + 9$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 3)(x + 3)$.

Question 6a of 12 (3 Using tiles to find the factors of a polynomial 91005)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+2)(x+1), (x+1)(x+2), (1x+2)(1x+1), (1x+1)(1x+2), (x+2)*(x+1), (x+1)*(x+2), (1x+2)*(1x+1), (1x+1)*(1x+2), (x^1+2)(x^1+1), (x^1+1)(x^1+2), (1x^1+2)(1x^1+1), (1x^1+1)(1x^1+2), (x^1+2)*(x^1+1), (x^1+1)*(x^1+2), (1x^1+2)*(1x^1+1), (1x^1+1)*(1x^1+2)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 3x + 2$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 2)(x + 1)$.

Question 6b of 12 (3 Using tiles to find the factors of a polynomial 292525)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+1)(x+5), (x+5)(x+1), (1x+1)(1x+5), (1x+5)(1x+1), (x+1)*(x+5), (x+5)*(x+1), (1x+1)*(1x+5), (1x+5)*(1x+1), (x^1+1)(x^1+5), (x^1+5)(x^1+1), (1x^1+1)(1x^1+5), (1x^1+5)(1x^1+1), (x^1+1)*(x^1+5), (x^1+5)*(x^1+1), (1x^1+1)*(1x^1+5), (1x^1+5)*(1x^1+1)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 6x + 5$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 5)$.

Question 6c of 12 (3 Using tiles to find the factors of a polynomial 292526)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+3)(x+4), (x+4)(x+3), (1x+3)(1x+4), (1x+4)(1x+3), (x+3)*(x+4), (x+4)*(x+3), (1x+3)*(1x+4), (1x+4)*(1x+3), (x^1+3)(x^1+4), (x^1+4)(x^1+3), (1x^1+3)(1x^1+4), (1x^1+4)(1x^1+3), (x^1+3)*(x^1+4), (x^1+4)*(x^1+3), (1x^1+3)*(1x^1+4), (1x^1+4)*(1x^1+3)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 7x + 12$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 3)(x + 4)$.

Question 7a of 12 (3 Using tiles to find the factors of a polynomial 91006)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(2x+1)(2x+5)$, $(2x+5)(2x+1)$, $(2x+1)*(2x+5)$, $(2x+5)*(2x+1)$, $(2x^1+1)(2x^1+5)$, $(2x^1+5)(2x^1+1)$, $(2x^1+1)*(2x^1+5)$, $(2x^1+5)*(2x^1+1)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$4x^2 + 12x + 5$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 1)(2x + 5)$.

Question 7b of 12 (3 Using tiles to find the factors of a polynomial 292527)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(2x+1)(2x+3)$, $(2x+3)(2x+1)$, $(2x+1)*(2x+3)$, $(2x+3)*(2x+1)$, $(2x^1+1)(2x^1+3)$, $(2x^1+3)(2x^1+1)$, $(2x^1+1)*(2x^1+3)$, $(2x^1+3)*(2x^1+1)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$4x^2 + 8x + 3$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 1)(2x + 3)$.

Question 7c of 12 (3 Using tiles to find the factors of a polynomial 292528)**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 2**Is Case Sensitive:** false**Correct Answer:** $(2x+2)(2x+3)$, $(2x+3)(2x+2)$, $(2x+2)*(2x+3)$, $(2x+3)*(2x+2)$, $(2x^{1+2})(2x^{1+3})$, $(2x^{1+3})(2x^{1+2})$, $(2x^{1+2})*(2x^{1+3})$, $(2x^{1+3})*(2x^{1+2})$ **Question:** Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$4x^2 + 10x + 6$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 2)(2x + 3)$.

Question 8a of 12 (3 Using tiles to find the factors of a polynomial 91007)**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 2**Is Case Sensitive:** false**Correct Answer:** $(3x+1)(x+1)$, $(x+1)(3x+1)$, $(3x+1)*(x+1)$, $(x+1)*(3x+1)$, $(3x+1)(1x+1)$, $(1x+1)(3x+1)$, $(3x+1)*(1x+1)$, $(1x+1)*(3x+1)$, $(3x^{1+1})(x^{1+1+1})$, $(x^{1+1+1})(3x^{1+1+1})$, $(3x^{1+1+1})*(x^{1+1+1})$, $(x^{1+1+1})*(3x^{1+1+1})$, $(3x^{1+1+1})(1x^{1+1+1})$, $(1x^{1+1+1})(3x^{1+1+1})$, $(3x^{1+1+1})*(1x^{1+1+1})$, $(1x^{1+1+1})*(3x^{1+1+1})$ **Question:** Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$3x^2 + 4x + 1$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(3x + 1)(x + 1)$.

Question 8b of 12 (3 Using tiles to find the factors of a polynomial 292529)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $(3x+1)(x+2), (x+2)(3x+1), (3x+1)*(x+2), (x+2)*(3x+1), (3x+1)(1x+2), (1x+2)(3x+1), (3x+1)*(1x+2), (1x+2)*(3x+1), (3x^1+1)(x^1+2), (x^1+2)(3x^1+1), (3x^1+1)*(x^1+2), (x^1+2)*(3x^1+1), (3x^1+1)(1x^1+2), (1x^1+2)(3x^1+1), (3x^1+1)*(1x^1+2), (1x^1+2)*(3x^1+1)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$3x^2 + 7x + 2$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(3x + 1)(x + 2)$.

Question 8c of 12 (3 Using tiles to find the factors of a polynomial 292530)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $(3x+1)(x+3), (x+3)(3x+1), (3x+1)*(x+3), (x+3)*(3x+1), (3x+1)(1x+3), (1x+3)(3x+1), (3x+1)*(1x+3), (1x+3)*(3x+1), (3x^1+1)(x^1+3), (x^1+3)(3x^1+1), (3x^1+1)*(x^1+3), (x^1+3)*(3x^1+1), (3x^1+1)(1x^1+3), (1x^1+3)(3x^1+1), (3x^1+1)*(1x^1+3), (1x^1+3)*(3x^1+1)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$3x^2 + 10x + 3$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(3x + 1)(x + 3)$.

Question 9a of 12 (1 Recognizing the limitations to factoring polynomials using tiles 120462)

Maximum Attempts: 1
Question Type: True-False
Maximum Score: 2
Question: When you factor with tiles, the height and width of the rectangle are the factors of the polynomial.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback

The correct answer is: True.

Question 9b of 12 (1 Recognizing the limitations to factoring polynomials using tiles 292531)**Maximum Attempts:** 1**Question Type:** True-False**Maximum Score:** 2**Question:** When you factor with tiles, the height and width of the rectangle are the factors of the polynomial.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback

The correct answer is: True.

Question 9c of 12 (1 Recognizing the limitations to factoring polynomials using tiles 292532)**Maximum Attempts:** 1**Question Type:** True-False**Maximum Score:** 2**Question:** When you factor with tiles, the height and width of the rectangle are the factors of the polynomial.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback

The correct answer is: True.

Question 10a of 12 (1 Recognizing the limitations to factoring polynomials using tiles 326609)**Maximum Attempts:** 1**Question Type:** True-False**Maximum Score:** 2**Question:** The tiles method should *not* be used to factor linear and quadratic polynomials involving negative numbers.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback

The correct answer is: True.

Question 10b of 12 (1 Recognizing the limitations to factoring polynomials using tiles 326610)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: The tiles method should *not* be used to factor linear and quadratic polynomials involving negative numbers.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 10c of 12 (1 Recognizing the limitations to factoring polynomials using tiles 326611)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: The tiles method should *not* be used to factor linear and quadratic polynomials involving negative numbers.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 11a of 12 (3 Using tiles to find the factorization of polynomials 262205)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(x+1)(x+3)$, $(x+3)(x+1)$, $(1x+1)(1x+3)$, $(1x+3)(1x+1)$, $(x+1)*(x+3)$, $(x+3)*(x+1)$, $(1x+1)*(1x+3)$, $(1x+3)*(1x+1)$, $(x^1+1)(x^1+3)$, $(x^1+3)(x^1+1)$, $(1x^1+1)(1x^1+3)$, $(1x^1+3)(1x^1+1)$, $(x^1+1)*(x^1+3)$, $(x^1+3)*(x^1+1)$, $(1x^1+1)*(1x^1+3)$, $(1x^1+3)*(1x^1+1)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 4x + 3$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(x + 1)(x + 3)$.

Question 11b of 12 (3 Using tiles to find the factorization of polynomials 292535)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: (x+6)(x+1), (x+1)(x+6), (1x+6)(1x+1), (1x+1)(1x+6), (x+6)*(x+1), (x+1)*(x+6), (1x+6)*(1x+1), (1x+1)*(1x+6), (x^1+6)(x^1+1), (x^1+1)(x^1+6), (1x^1+6)(1x^1+1), (1x^1+1)(1x^1+6), (x^1+6)*(x^1+1), (x^1+1)*(x^1+6), (1x^1+6)*(1x^1+1), (1x^1+1)*(1x^1+6)

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 7x + 6$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: (x + 6)(x + 1).

Question 11c of 12 (3 Using tiles to find the factorization of polynomials 292536)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: (x+1)(x+4), (x+4)(x+1), (1x+1)(1x+4), (1x+4)(1x+1), (x+1)*(x+4), (x+4)*(x+1), (1x+1)*(1x+4), (1x+4)*(1x+1), (x^1+1)(x^1+4), (x^1+4)(x^1+1), (1x^1+1)(1x^1+4), (1x^1+4)(1x^1+1), (x^1+1)*(x^1+4), (x^1+4)*(x^1+1), (1x^1+1)*(1x^1+4), (1x^1+4)*(1x^1+1)

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$x^2 + 5x + 4$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: (x + 1)(x + 4).

Question 12a of 12 (3 Using tiles to find the factorization of polynomials 262207)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $(2x+2)(x+3), (x+3)(2x+2), (2x+2)*(x+3), (x+3)*(2x+2), (2x+2)(1x+3), (1x+3)(2x+2), (2x+2)*(1x+3), (1x+3)*(2x+2), (2x^1+2)(x^1+3), (x^1+3)(2x^1+2), (2x^1+2)*(x^1+3), (x^1+3)*(2x^1+2), (2x^1+2)(1x^1+3), (1x^1+3)(2x^1+2), (2x^1+2)*(1x^1+3), (1x^1+3)(2x^1+2)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$2x^2 + 8x + 6$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(2x + 2)(x + 3)$

Question 12b of 12 (3 Using tiles to find the factorization of polynomials 292537)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false

Correct Answer: $(2x+4)(x+3), (x+3)(2x+4), (2x+4)*(x+3), (x+3)*(2x+4), (2x+4)(1x+3), (1x+3)(2x+4), (2x+4)*(1x+3), (1x+3)*(2x+4), (2x^1+4)(x^1+3), (x^1+3)(2x^1+4), (2x^1+4)*(x^1+3), (x^1+3)*(2x^1+4), (2x^1+4)(1x^1+3), (1x^1+3)(2x^1+4), (2x^1+4)*(1x^1+3), (1x^1+3)*(2x^1+4), (2x+6)(x+2), (x+2)(2x+6), (2x+6)*(x+2), (x+2)*(2x+6), (2x+6)(1x+2), (1x+2)(2x+6), (2x+6)*(1x+2), (1x+2)*(2x+6), (2x^1+6)(x^1+2), (x^1+2)(2x^1+6), (2x^1+6)*(x^1+2), (x^1+2)*(2x^1+6), (2x^1+6)(1x^1+2), (1x^1+2)(2x^1+6), (2x^1+6)*(1x^1+2), (1x^1+2)*(2x^1+6)$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$2x^2 + 10x + 12$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: $(2x + 4)(x + 3)$ or $(2x + 6)(x + 2)$

Question 12c of 12 (3 Using tiles to find the factorization of polynomials 292538)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: $(2x+2)(x+4), (x+4)(2x+2), (2x+2)*(x+4), (x+4)*(2x+2), (2x+2)(1x+4), (1x+4)(2x+2), (2x+2)*(1x+4), (1x+4)*(2x+2), (2x^{1+2})(x^{1+4}), (x^{1+4})(2x^{1+2}), (2x^{1+2})*(x^{1+4}), (x^{1+4})*(2x^{1+2}), (2x^{1+2})(1x^{1+4}), (1x^{1+4})(2x^{1+2}), (2x^{1+2})*(1x^{1+4}), (1x^{1+4})*(2x^{1+2})$

Question: Use the tiles to find the factorization of the polynomial below. *Enter each factor as a polynomial in descending order.*

$$2x^2 + 10x + 8$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $(2x + 2)(x + 4)$