Independent Practice (You Do)

8th Grade – Readiness Standard 5 – 7.EE.1c

Learning Target: I will factor linear expressions

Readiness for factoring quadratic equations

Title of Game: Play "**Factor Linear Expressions Match-up**!"

Number of Players: 2

Objective: To match all of your **"Problem"** cards to the equivalent **"Answer"** linear expression cards.

Materials:

➢ 1 set of **Problem** and **Answer** cards per group

➢ 1 recording sheet per player

Set-up:

➢ Deal all 10 **Problem** cards face down in a row.

➢ Deal 5 **Answer** cards face up to each player.

Directions:

➢ **Player 1** goes first
   o Take a card from the row of face down **Problem** cards and turn it face up
   o Write the problem on the recording sheet
   o And, find the answer in simplest form

➢ If **Player 1** has the **Answer** card, place it face up on top of the **Problem** card, take both cards and say:

"The value being distributed is ___."

➢ If **Player 1** does not have the equivalent **Answer** card, turn the **Problem** card back over.

➢ **Players 1 and 2** alternate turns. The **winner** is the first player to match all 5 of their cards.

Problem Cards (Set A)

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Storage Suggestions: Copy the **Problem (Set A)** cards and **Answer (Set A)** cards in two different colors.
Store 1 set of each in a sealable bag for each pair of students.

Set A₁

$2x + 8$ Set A	$12x + 3$ Set A	$8x + 12$ Set A	$20x + 35$ Set A
$8x - 2$ Set A	$3x - 12$ Set A	$12x - 8$ Set A	$35x - 20$ Set A
$36x + 28$ Set A	$28x - 36$ Set A		

Set A₂

$2x + 8$ Set A	$12x + 3$ Set A	$8x + 12$ Set A	$20x + 35$ Set A
$8x - 2$ Set A	$3x - 12$ Set A	$12x - 8$ Set A	$35x - 20$ Set A
$36x + 28$ Set A	$28x - 36$ Set A		

Answer Cards (Set A)

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Storage Suggestions: Copy the **Problem (Set A)** cards and **Answer (Set A)** cards in two different colors.
Store 1 set of each in a sealable bag for each pair of students.

Set A₁

$2(x + 4)$ Set A	$3(4x + 1)$ Set A	$4(2x + 3)$ Set A	$5(4x + 7)$ Set A
$2(4x - 1)$ Set A	$3(x - 4)$ Set A	$4(3x - 2)$ Set A	$5(7x - 4)$ Set A
$4(9x + 7)$ Set A	$4(7x - 9)$ Set A		

Set A₂

$2(x + 4)$ Set A	$3(4x + 1)$ Set A	$4(2x + 3)$ Set A	$5(4x + 7)$ Set A
$2(4x - 1)$ Set A	$3(x - 4)$ Set A	$4(3x - 2)$ Set A	$5(7x - 4)$ Set A
$4(9x + 7)$ Set A	$4(7x - 9)$ Set A		

Problem Cards (Set B)

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Storage Suggestions: Copy the **Problem (Set B)** cards and **Answer (Set B)** cards in two different colors.
Store 1 set of each in a sealable bag for each pair of students.

Set B₁

$6x + 24$ Set B	$28x + 7$ Set B	$16x + 24$ Set B	$36x + 63$ Set B
$24x - 6$ Set B	$7x - 28$ Set B	$24x - 16$ Set B	$63x - 36$ Set B
$15x + 10$ Set B	$10x - 15$ Set B		

Set B₂

$6x + 24$ Set B	$28x + 7$ Set B	$16x + 24$ Set B	$36x + 63$ Set B
$24x - 6$ Set B	$7x - 28$ Set B	$24x - 16$ Set B	$63x - 36$ Set B
$15x + 10$ Set B	$10x - 15$ Set B		

DELTA MATH – Rtl PROGRAM

Storage Suggestions: Copy the **Problem (Set B)** cards and **Answer (Set B)** cards in two different colors. Store 1 set of each in a sealable bag for each pair of students.

Set B₁

$6(x + 4)$	$7(4x + 1)$	$8(2x + 3)$	$9(4x + 7)$
Set B	Set B	Set B	Set B
$6(4x - 1)$	$7(x - 4)$	$8(3x - 2)$	$9(7x - 4)$
Set B	Set B	Set B	Set B
$5(3x + 2)$	$5(2x - 3)$		
Set B	Set B		

Set B₂

$6(x + 4)$	$7(4x + 1)$	$8(2x + 3)$	$9(4x + 7)$
Set B	Set B	Set B	Set B
$6(4x - 1)$	$7(x - 4)$	$8(3x - 2)$	$9(7x - 4)$
Set B	Set B	Set B	Set B
$5(3x + 2)$	$5(2x - 3)$		
Set B	Set B		