Independent Practice (You Do)

8th Grade – Readiness Standard 3 – 7.EE.1a

Learning Target: I will add and subtract linear expressions

Readiness for solving equations with more than one step

Title of Game: Play "**Add and Subtract Linear Expressions Match-up**!"

Number of Players: 2

Objective: To match all of your **"Problem"** cards to the equivalent **"Answer"** 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 like-terms in the expression are ___."

➢ If **Player 1** does not have the answer to the **Problem** 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.

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

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

Set A₂

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

$4x + 6$ Set A	$4x + 4$ Set A	$2x + 6$ Set A	$2x + 4$ Set A
$6x - 4$ Set A	$4x - 4$ Set A	$6x - 2$ Set A	$4x - 2$ Set A
$2x + 3$ Set A	6 Set A		

Set A₂

$4x + 6$ Set A	$4x + 4$ Set A	$2x + 6$ Set A	$2x + 4$ Set A
$6x - 4$ Set A	$4x - 4$ Set A	$6x - 2$ Set A	$4x - 2$ Set A
$2x + 3$ Set A	6 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.

<table>
<tr><td rowspan="3">Set B₁</td><td>$(7x + 9) + (x + 1)$

Set B</td><td>$(7x + 9) + (x - 1)$

Set B</td><td>$(7x + 9) - (x + 1)$

Set B</td><td>$(7x + 9) - (x - 1)$

Set B</td></tr>
<tr><td>$(9x - 7) + (x - 1)$

Set B</td><td>$(9x - 7) - (x + 1)$

Set B</td><td>$(9x - 7) + (x + 1)$

Set B</td><td>$(9x - 7) - (x - 1)$

Set B</td></tr>
<tr><td>$(x + 9) + (x - 7)$

Set B</td><td>$(x + 9) - (x - 7)$

Set B</td><td></td><td></td></tr>
<tr><td rowspan="3">Set B₂</td><td>$(7x + 9) + (x + 1)$

Set B</td><td>$(7x + 9) + (x - 1)$

Set B</td><td>$(7x + 9) - (x + 1)$

Set B</td><td>$(7x + 9) - (x - 1)$

Set B</td></tr>
<tr><td>$(9x - 7) + (x - 1)$

Set B</td><td>$(9x - 7) - (x + 1)$

Set B</td><td>$(9x - 7) + (x + 1)$

Set B</td><td>$(9x - 7) - (x - 1)$

Set B</td></tr>
<tr><td>$(x + 9) + (x - 7)$

Set B</td><td>$(x + 9) - (x - 7)$

Set B</td><td></td><td></td></tr>
</table>

Answer 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

$8x + 10$ Set B	$8x + 8$ Set B	$6x + 10$ Set B	$6x + 8$ Set B
$10x - 8$ Set B	$8x - 8$ Set B	$10x - 6$ Set B	$8x - 6$ Set B
$2x + 2$ Set B	16 Set B		

Set B₂

$8x + 10$ Set B	$8x + 8$ Set B	$6x + 10$ Set B	$6x + 8$ Set B
$10x - 8$ Set B	$8x - 8$ Set B	$10x - 6$ Set B	$8x - 6$ Set B
$2x + 2$ Set B	16 Set B		