Independent Practice (You Do)

Learning Target: I will expand linear expressions

Readiness for solving equations with more than one step

Title of Game: Play "**Expand 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
   - ○ Take a card from the row of face down **Problem** cards and turn it face up
   - ○ Write the problem on the recording sheet
   - ○ 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)

8th Grade – Readiness Standard 4 – 7.EE.1b

Preparation: Copy the **Problem (Set A)** cards and **Answer (Set A)** cards in two different colors.

Sets A_1 can be used for one pair of students and Sets A_2 can be used for a second pair of students.

Storage: Store 1 set in a bag for each pair of students.

Set A_1

$6(3x + 8)$ Set A	$6(3x - 8)$ Set A	$-6(4x - 8)$ Set A	$6(9x + 7)$ Set A
$6(9x - 7)$ Set A	$-6(9x - 7)$ Set A	$-7(8x - 9)$ Set A	$7(8x + 9)$ Set A
$7(9x - 6)$ Set A	$-7(9x - 6)$ Set A		

Set A_2

$6(3x + 8)$ Set A	$6(3x - 8)$ Set A	$-6(4x - 8)$ Set A	$6(9x + 7)$ Set A
$6(9x - 7)$ Set A	$-6(9x - 7)$ Set A	$-7(8x - 9)$ Set A	$7(8x + 9)$ Set A
$7(9x - 6)$ Set A	$-7(9x - 6)$ Set A		

Answer Cards (Set A)

8th Grade – Readiness Standard 4 – 7.EE.1b

Preparation: Copy the **Problem (Set A)** cards and **Answer (Set A)** cards in two different colors.

Sets A_1 can be used for one pair of students and Sets A_2 can be used for a second pair of students.

Storage: Store 1 set in a bag for each pair of students.

Set A₁

$18x + 48$ Set A	$18x - 48$ Set A	$-24x + 48$ Set A	$54x + 42$ Set A
$54x - 42$ Set A	$-54x + 42$ Set A	$-56x + 63$ Set A	$56x + 63$ Set A
$63x - 42$ Set A	$-63x + 42$ Set A		

Set A₂

$18x + 48$ Set A	$18x - 48$ Set A	$-24x + 48$ Set A	$54x + 42$ Set A
$54x - 42$ Set A	$-54x + 42$ Set A	$-56x + 63$ Set A	$56x + 63$ Set A
$63x - 42$ Set A	$-63x + 42$ Set A		

Problem Cards (Set B)

8th Grade – Readiness Standard 4 – 7.EE.1b

Preparation: Copy the **Problem (Set B)** cards and **Answer (Set B)** cards in two different colors.

Sets B_1 can be used for one pair of students and Sets B_2 can be used for a second pair of students.

Storage: Store 1 set in a bag for each pair of students.

Set B₁

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

Set B₂

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

Preparation: Copy the **Problem (Set B)** cards and **Answer (Set B)** cards in two different colors.

Sets B_1 can be used for one pair of students and Sets B_2 can be used for a second pair of students.

Storage: Store 1 set in a bag for each pair of students.

Set B_1			
$24x + 72$ Set B	$24x - 72$ Set B	$-32x + 72$ Set B	$56x + 48$ Set B
$56x - 48$ Set B	$-56x + 48$ Set B	$-36x + 72$ Set B	$36x + 72$ Set B
$54x - 63$ Set B	$-54x + 63$ Set B		

Set B_2			
$24x + 72$ Set B	$24x - 72$ Set B	$-32x + 72$ Set B	$56x + 48$ Set B
$56x - 48$ Set B	$-56x + 48$ Set B	$-36x + 72$ Set B	$36x + 72$ Set B
$54x - 63$ Set B	$-54x + 63$ Set B		