



Independent Practice (You Do)

8th Grade – Readiness Standard 6 – 7.EE.4a

Learning Target: I will solve equations with more than one step

Readiness for solving multi-step linear equations

Title of Game: Play “Solve Multi-step Equations 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
 - 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:

Example “2 times what number plus 3 is equal to 13...”

I undid adding by 3 with adding by -3 and undid multiplying by 2 with dividing by 2”

- 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.



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 A ₁	$3x + 5 = 11$ Set A	$3x - 5 = -23$ Set A	$2(x + 3) = -4$ Set A	$2(x - 3) = 8$ Set A
	$\frac{2}{3}x + 4 = 10$ Set A	$\frac{2}{3}x - 4 = 6$ Set A	$\frac{1}{4}x + 5 = 7$ Set A	$\frac{1}{4}x - 5 = -2$ Set A
	$-12 = 5x + 3$ Set A	$27 = 5x - 3$ Set A		
Set A ₂	$3x + 5 = 11$ Set A	$3x - 5 = -23$ Set A	$2(x + 3) = -4$ Set A	$2(x - 3) = 8$ Set A
	$\frac{2}{3}x + 4 = 10$ Set A	$\frac{2}{3}x - 4 = 6$ Set A	$\frac{1}{4}x + 5 = 7$ Set A	$\frac{1}{4}x - 5 = -2$ Set A
	$-12 = 5x + 3$ Set A	$27 = 5x - 3$ 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 A ₁	$x = 2$ Set A	$x = -6$ Set A	$x = -5$ Set A	$x = 7$ Set A
	$x = 9$ Set A	$x = 15$ Set A	$x = 8$ Set A	$x = 12$ Set A
	$x = -3$ Set A	$x = 6$ Set A		
Set A ₂	$x = 2$ Set A	$x = -6$ Set A	$x = -5$ Set A	$x = 7$ Set A
	$x = 9$ Set A	$x = 15$ Set A	$x = 8$ Set A	$x = 12$ Set A
	$x = -3$ Set A	$x = 6$ 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.

Set B ₁	$6x + 5 = 23$ Set B	$6x - 5 = -59$ Set B	$7(x + 3) = -21$ Set B	$7(x - 3) = 35$ Set B
	$\frac{3}{4}x + 8 = 23$ Set B	$\frac{3}{4}x - 8 = 10$ Set B	$\frac{2}{5}x + 9 = 13$ Set B	$\frac{2}{5}x - 9 = 1$ Set B
	$-12 = 7x + 9$ Set B	$27 = 5x - 3$ Set B		
Set B ₂	$6x + 5 = 23$ Set B	$6x - 5 = -59$ Set B	$7(x + 3) = -21$ Set B	$7(x - 3) = 35$ Set B
	$\frac{3}{4}x + 8 = 23$ Set B	$\frac{3}{4}x - 8 = 10$ Set B	$\frac{2}{5}x + 9 = 13$ Set B	$\frac{2}{5}x - 9 = 1$ Set B
	$-12 = 7x + 9$ Set B	$27 = 5x - 3$ Set B		



Answer Cards (Set B)

8th Grade – Readiness Standard 6 – 7.EE.4a

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 B ₁	$x = 3$ Set B	$x = -9$ Set B	$x = -6$ Set B	$x = 8$ Set B
	$x = 20$ Set B	$x = 24$ Set B	$x = 10$ Set B	$x = 25$ Set B
	$x = -3$ Set B	$x = 6$ Set B		
Set B ₂	$x = 3$ Set B	$x = -9$ Set B	$x = -6$ Set B	$x = 8$ Set B
	$x = 20$ Set B	$x = 24$ Set B	$x = 10$ Set B	$x = 25$ Set B
	$x = -3$ Set B	$x = 6$ Set B		