Independent Practice (You Do)

7th Grade – Readiness Standard 6 – 6.EE.7

Learning Target: I will solve 1-step equations

Readiness for solving equations with more than one step

Title of Game: Play "**Solve 1-step Equations Match-up**!"

Number of Players: 2

Objective: To match all of your **"Equation"** cards to the equivalent **"Solution"** cards.

Materials:

➢ 1 set of **Equation** and **Solution** cards per group

➢ 1 recording sheet per player

Set-up:

➢ Deal all 12 **Equation** cards face down in a row.

➢ Deal 6 **Solution** cards face up to each player.

Directions:

➢ **Player 1** goes first
  o Take a card from the row of face down **Equation** 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 **Solution** card, place it face up on top of the **Equation** card, take both cards and say:

   Example "2 times what number is equal to 10…I undid multiplying by 2 with dividing by 2"

➢ If **Player 1** does not have the answer to the **Equation** card, turn the **Equation** card back over.

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

Equation Cards (Set A)

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

Set A₁

$x + 5 = 6$ Set A	$x + 1 = 6$ Set A		
$2x = 6$ Set A	$3x = 6$ Set A	$\frac{1}{3}x = 6$ Set A	$\frac{2}{3}x = 6$ Set A
$9 = x + 4$ Set A	$9 = x + 4\frac{1}{3}$ Set A	$8 = 2x$ Set A	$8 = \frac{2}{3}x$ Set A

Set A₂

$x + 5 = 6$ Set A	$x + 1 = 6$ Set A		
$2x = 6$ Set A	$3x = 6$ Set A	$\frac{1}{3}x = 6$ Set A	$\frac{2}{3}x = 6$ Set A
$9 = x + 4$ Set A	$9 = x + 4\frac{1}{3}$ Set A	$8 = 2x$ Set A	$8 = \frac{2}{3}x$ Set A

Solution Cards (Set A)

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

Set A₁

$x = 1$ Set A	$x = 5$ Set A		
$x = 3$ Set A	$x = 2$ Set A	$x = 18$ Set A	$x = 9$ Set A
$x = 5$ Set A	$x = 4\frac{2}{3}$ Set A	$x = 4$ Set A	$x = 12$ Set A

Set A₂

$x = 1$ Set A	$x = 5$ Set A		
$x = 3$ Set A	$x = 2$ Set A	$x = 18$ Set A	$x = 9$ Set A
$x = 5$ Set A	$x = 4\frac{2}{3}$ Set A	$x = 4$ Set A	$x = 12$ Set A

Equation Cards (Set B)

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

Set B₁

$x + 3 = 12$ Set B	$x + 4 = 12$ Set B	$x + 3\frac{1}{4} = 12$ Set B	$x + 4\frac{3}{4} = 12$ Set B
  	 	$\frac{1}{4}x = 12$ Set B	$\frac{3}{4}x = 12$ Set B
$15 = x + 3$ Set B	$15 = x + 4\frac{1}{3}$ Set B	$15 = 3x$ Set B	$14 = \frac{2}{3}x$ Set B

Set B₂

$x + 3 = 12$ Set B	$x + 4 = 12$ Set B	$x + 3\frac{1}{4} = 12$ Set B	$x + 4\frac{3}{4} = 12$ Set B
  	 	$\frac{1}{4}x = 12$ Set B	$\frac{3}{4}x = 12$ Set B
$15 = x + 3$ Set B	$15 = x + 4\frac{1}{3}$ Set B	$15 = 3x$ Set B	$14 = \frac{2}{3}x$ Set B

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

$x = 9$ Set B	$x = 8$ Set B	$x = 8\frac{3}{4}$ Set B	$x = 7\frac{1}{4}$ Set B
		$x = 48$ Set B	$x = 16$ Set B
$x = 12$ Set B	$x = 10\frac{2}{3}$ Set B	$x = 5$ Set B	$x = 21$ Set B
$x = 9$ Set B	$x = 8$ Set B	$x = 8\frac{3}{4}$ Set B	$x = 7\frac{1}{4}$ Set B
		$x = 48$ Set B	$x = 16$ Set B
$x = 12$ Set B	$x = 10\frac{2}{3}$ Set B	$x = 5$ Set B	$x = 21$ Set B

Set B₁

Set B₂