



# Independent Practice (You Do)

7<sup>th</sup> Grade - Readiness Standard 4 – 6.EE.2c

**Learning Target:** I will evaluate algebraic expressions

**Readiness** for solving equations with more than one step

**Title of Game:** Play “Evaluating Algebraic Expressions Match-up!”

**Number of Players:** 2

**Objective:** To match all of your “**Problem**” cards to the “**Answer**” cards.

**Materials:**

- 1 set of **Problem** and **Answer** cards per group
  - For easy of sorting, copy each type of card on different colored paper.
- 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 expression evaluated at \_\_\_ is \_\_\_.”*
- 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 <sub>1</sub>	$2x + 3$ when $x = 4$ Set A	$3x + 4$ when $x = 2$ Set A	$2x - 3$ when $x = 4$ Set A	$3x - 4$ when $x = 2$ Set A
	$x^2 + 4$ when $x = 3$ Set A	$x^2 + 3$ when $x = 2$ Set A	$x^2 - 4$ when $x = 5$ Set A	$x^2 - 3$ when $x = 2$ Set A
	$3(x + 2)$ when $x = 4$ Set A	$2(x + 3)$ when $x = 4$ Set A		
Set A <sub>2</sub>	$2x + 3$ when $x = 4$ Set A	$3x + 4$ when $x = 2$ Set A	$2x - 3$ when $x = 4$ Set A	$3x - 4$ when $x = 2$ Set A
	$x^2 + 4$ when $x = 3$ Set A	$x^2 + 3$ when $x = 2$ Set A	$x^2 - 4$ when $x = 5$ Set A	$x^2 - 3$ when $x = 2$ Set A
	$3(x + 2)$ when $x = 4$ Set A	$2(x + 3)$ when $x = 4$ 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 <sub>1</sub>	11 Set A	10 Set A	5 Set A	2 Set A
	13 Set A	7 Set A	21 Set A	1 Set A
	12 Set A	14 Set A		
Set A <sub>2</sub>	11 Set A	10 Set A	5 Set A	2 Set A
	13 Set A	7 Set A	21 Set A	1 Set A
	12 Set A	14 Set A		



# Problem Cards (Set B)

7<sup>th</sup> Grade - Readiness Standard 4 – 6.EE.2c

**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 <sub>1</sub>	$7x + 3$ when $x = 9$ Set B	$8x + 4$ when $x = 6$ Set B	$7x - 3$ when $x = 9$ Set B	$8x - 4$ when $x = 6$ Set B
	$x^2 + 4$ when $x = 7$ Set B	$x^2 + 3$ when $x = 8$ Set B	$x^2 - 4$ when $x = 7$ Set B	$x^2 - 6$ when $x = 9$ Set B
	$9(x + 2)$ when $x = 7$ Set B	$8(x + 5)$ when $x = 4$ Set B		
Set B <sub>2</sub>	$7x + 3$ when $x = 9$ Set B	$8x + 4$ when $x = 6$ Set B	$7x - 3$ when $x = 9$ Set B	$8x - 4$ when $x = 6$ Set B
	$x^2 + 4$ when $x = 7$ Set B	$x^2 + 3$ when $x = 8$ Set B	$x^2 - 4$ when $x = 7$ Set B	$x^2 - 6$ when $x = 9$ Set B
	$9(x + 2)$ when $x = 7$ Set B	$8(x + 5)$ when $x = 4$ Set B		



# Answer Cards (Set B)

7<sup>th</sup> Grade - Readiness Standard 4 – 6.EE.2c

**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 <sub>1</sub>	66 Set B	52 Set B	60 Set B	44 Set B
	53 Set B	67 Set B	45 Set B	75 Set B
	81 Set B	72 Set B		
Set B <sub>2</sub>	66 Set B	52 Set B	60 Set B	44 Set B
	53 Set B	67 Set B	45 Set B	75 Set B
	81 Set B	72 Set B		