



# 7<sup>th</sup> Grade Fall Guided Review

Readiness Standard 5 - 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**1.**

Find the simplified equivalent expression.

$$x + x + x$$

$x + 3$

$3x$

$x^3$

$3x^3$

**2.**

Find the simplified equivalent expression.

$$6x + 2 + 3x$$

$6x + 5$

$9x + 2$

$11x^2$

$11x$

**3.**

Find the simplified equivalent expression.

$$2(x + 3)$$

$2x + 6$

$x + 6$

$x^2 + 6$

$2x + 3$



# Quick Check - Form A

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Directions:** Write the simplified equivalent expression. (Work time: 4 minutes)

<p><b>1.</b></p> $x + x + x + x$	<p><b>2.</b></p> $4x + 3 + 2x$
<p><b>3.</b></p> $11 + 9x + 2 - 6x$	<p><b>4.</b></p> $2(x + 6)$
<p><b>5.</b></p> $4(x + 1) + 3x$	<p><b>6.</b></p> $4(x + 3) - 2 + x$



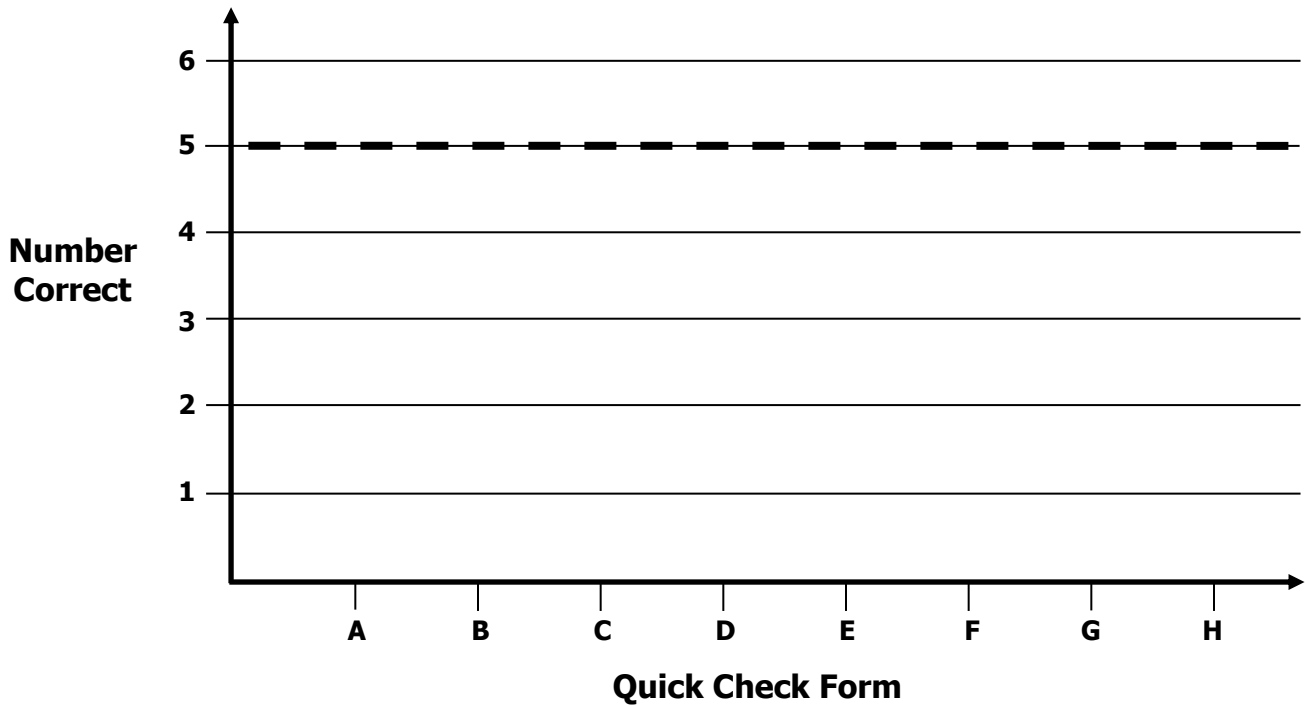
# Growth Chart

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Goal:** 5 out of 6 correct



Intervention	Date	Score
Session 1:		
Session 2:		
Session 3:		
Session 4:		
Session 5:		
Session 6:		
Session 7:		
Session 8:		



Name \_\_\_\_\_

Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 2: Guided Practice (We Do)

**Materials:**

- Algebra Tiles (1 set on p. 13: 20 +1s and 16 +x's per student)
- Equation mat (1 per student)

**We Do Together:** (Teacher Actions)

- Say, build and simplify each algebraic expression.

*(Both partners build the original expression and only one rearranges their tiles to simplify the expression.)*

1. $2x + 4 + 3x$	2. $x^2 + 3x + 4 + x - 3$
3. $2(x + 3)$	4. $2(x^2 + 3) + x^2 + 4x - 1$



Name \_\_\_\_\_

Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 2: Guided Practice (We Do - Continued)

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

5. $2x + 4 + 3x + 2 + x - 1$	6. $x^2 + 2x + 4 + x + 1 + 3x^2$
7. $3(x + 4)$	8. $3(x^2 + 2x + 4)$
9. $2(3x^2 + 5) + 2x^2 + 4x - 2$	10. $2(x^2 + 2x + 1) + 3(x^2 + x + 2)$



# Quick Check - Form B

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Directions:** Write the simplified equivalent expression. (Work time: 4 minutes)

<p><b>1.</b></p> $x + x + x$	<p><b>2.</b></p> $9x + 6 + x$
<p><b>3.</b></p> $8x + 4 - 2x + 6$	<p><b>4.</b></p> $4(x + 3)$
<p><b>5.</b></p> $5x + 6(x + 1)$	<p><b>6.</b></p> $4 + 5(x + 3) - 2x$

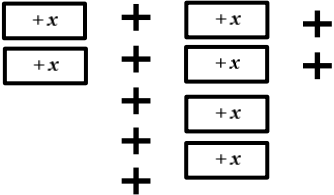
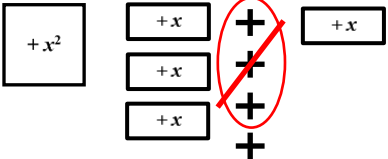
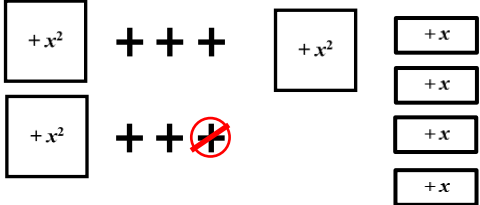
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 3: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Say, draw, and simplify each algebraic expression.

Not Simplified	Simplified
<p>1.</p> $2x + 5 + 4x + 2$ 	
<p>2.</p> $x^2 + 3x + 4 + x - 3$ 	
<p>3.</p> $2(x^2 + 3) + x^2 + 4x - 1$ 	

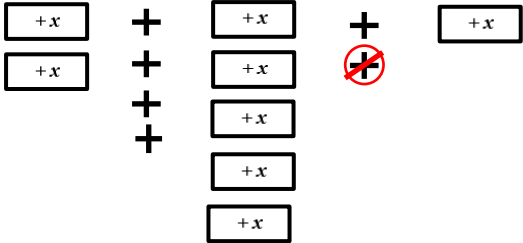
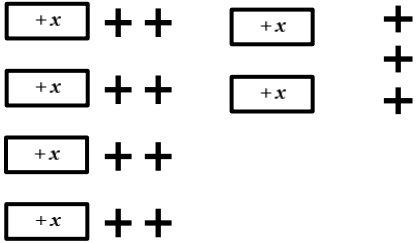
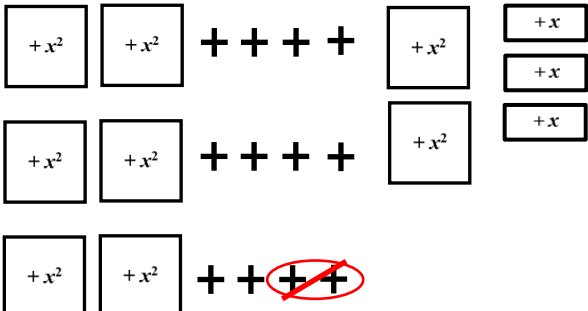
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 3: Guided Practice (We Do - Continued)

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
<p>4.</p> $2x + 4 + 5x + 2 + x - 1$ 	
<p>5.</p> $4(x + 2) + 2x + 3$ 	
<p>6.</p> $3(2x^2 + 4) + 2x^2 + 3x - 2$ 	



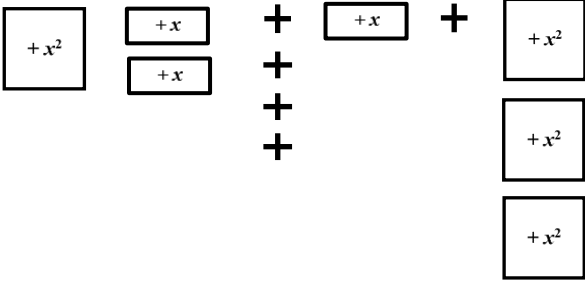
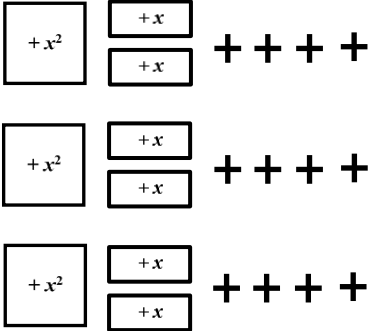
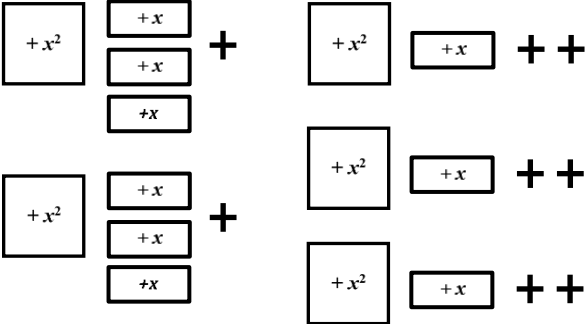
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 3: Guided Practice (We Do - Continued)

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
<p>7.</p> $x^2 + 2x + 4 + x + 1 + 3x^2$ 	
<p>8.</p> $3(x^2 + 2x + 4)$ 	
<p>9.</p> $2(x^2 + 3x + 1) + 3(x^2 + x + 2)$ 	



# Quick Check - Form C

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Directions:** Write the simplified equivalent expression. (Work time: 4 minutes)

<p><b>1.</b></p> $x + x + x + x + x$	<p><b>2.</b></p> $4x + 3x + 2$
<p><b>3.</b></p> $4x + 6 - 2x + 3$	<p><b>4.</b></p> $5(x + 5)$
<p><b>5.</b></p> $7(x + 2) - 5x$	<p><b>6.</b></p> $x + 3(x + 1) - 2$



Name \_\_\_\_\_

Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 4: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Simplify each algebraic expression.

Not Simplified	Simplified
1. $2x + 7 + x + 2$	
2. $x^2 + 5x + 9 + x - 2$	
3. $3(x^2 + 5) + 1$	
4. $2(x^2 + 3) + 3x^2 + 7x - 1$	



Name \_\_\_\_\_ Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 4: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
5. $5x + 3 + 5x + 9 + x - 1$	
6. $7(x + 6) + 3x + 8$	
7. $5(2x^2 + 9) + 4x^2 + 8x - 5$	
8. $8(2x^2 + 7) + 3x^2 + 6x - 4$	



Name \_\_\_\_\_ Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 4: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
9. $x^2 + 5x + 9 + x + 1 + 4x^2$	
10. $7(x^2 + 3x + 6) - 10$	
11. $3(x^2 + 4x + 1) + 4(2x^2 + x + 3)$	
12. $5(4x^2 + x + 1) + 2(x^2 + 7x + 3)$	



# Quick Check - Form D

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Directions:** Write the simplified equivalent expression. (Work time: 4 minutes)

<p><b>1.</b></p> $x + x + x + x$	<p><b>2.</b></p> $5x + 6x + 10$
<p><b>3.</b></p> $3 + 9x - 6x + 4$	<p><b>4.</b></p> $6(x + 7)$
<p><b>5.</b></p> $4x + 2(x + 1)$	<p><b>6.</b></p> $4(x + 2) - 3 + x$

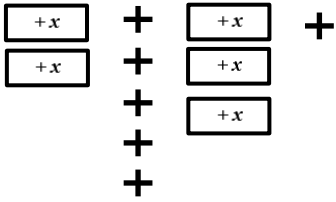
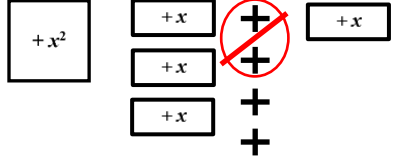
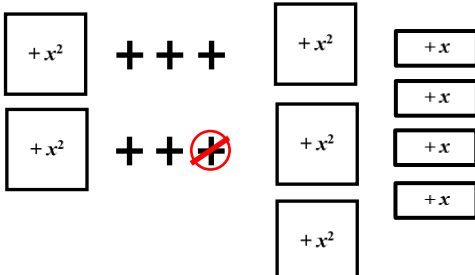
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 5: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Say, draw, and simplify each algebraic expression.

Not Simplified	Simplified
<p>1.</p> $2x + 5 + 3x + 1$ 	
<p>2.</p> $x^2 + 3x + 4 + x - 2$ 	
<p>3.</p> $2(x^2 + 3) + 3x^2 + 4x - 1$ 	

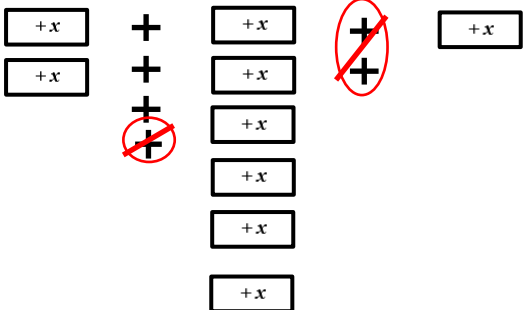
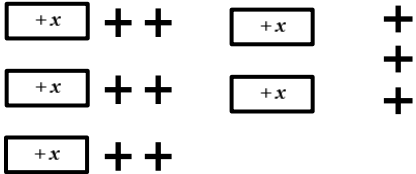
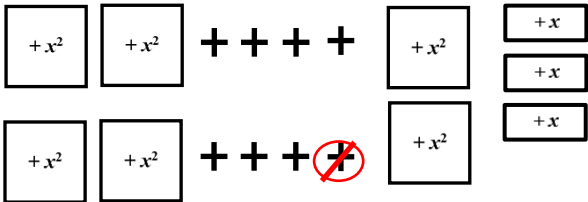
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 5: Guided Practice (We Do - Continued)

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
<p>4.</p> $2x + 4 + 6x + 2 + x - 3$ 	
<p>5.</p> $3(x + 2) + 2x + 3$ 	
<p>6.</p> $2(2x^2 + 4) + 2x^2 + 3x - 1$ 	



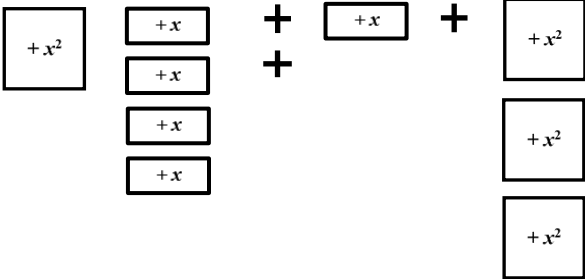
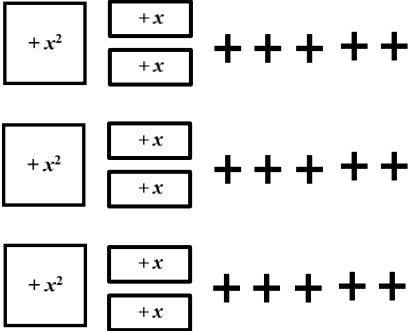
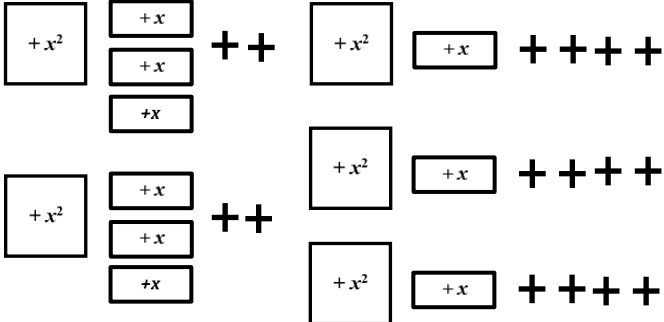
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 5: Guided Practice (We Do - Continued)

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
<p>7.</p> $x^2 + 4x + 2 + x + 1 + 3x^2$ 	
<p>8.</p> $3(x^2 + 2x + 5)$ 	
<p>9.</p> $2(x^2 + 3x + 2) + 3(x^2 + x + 4)$ 	



# Quick Check - Form E

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Directions:** Write the simplified equivalent expression. (Work time: 4 minutes)

**1.**

$$x + x + x + x$$

**2.**

$$4x + 3 + 2x$$

**3.**

$$11 + 9x + 2 - 6x$$

**4.**

$$2(x + 6)$$

**5.**

$$4(x + 1) + 3x$$

**6.**

$$4(x + 3) - 2 + x$$

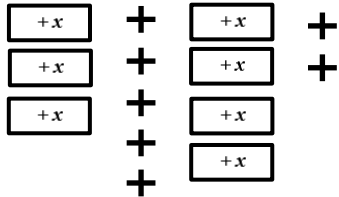
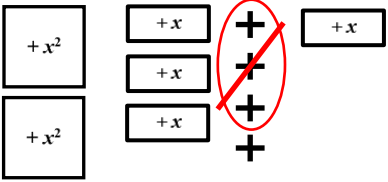
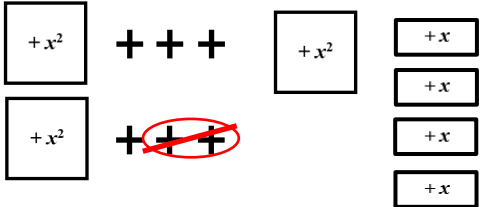
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 6: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Say, draw, and simplify each algebraic expression.

Not Simplified	Simplified
<p>1.</p> $3x + 5 + 4x + 2$ 	
<p>2.</p> $2x^2 + 3x + 4 + x - 3$ 	
<p>3.</p> $2(x^2 + 3) + x^2 + 4x - 2$ 	

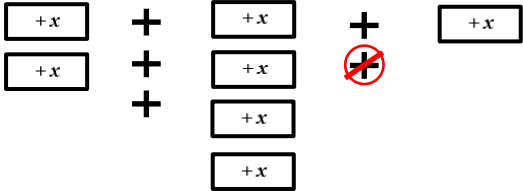
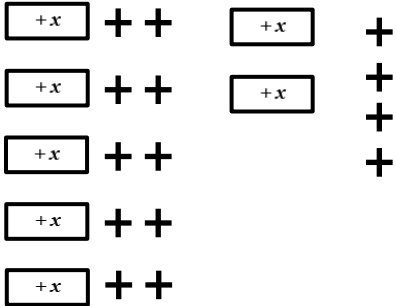
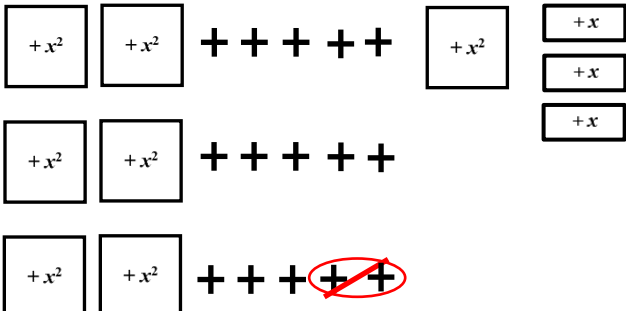
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 6: Guided Practice (We Do - Continued)

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
<p>4.</p> $2x + 3 + 4x + 2 + x - 1$ 	
<p>5.</p> $5(x + 2) + 2x + 4$ 	
<p>6.</p> $3(2x^2 + 5) + x^2 + 3x - 2$ 	

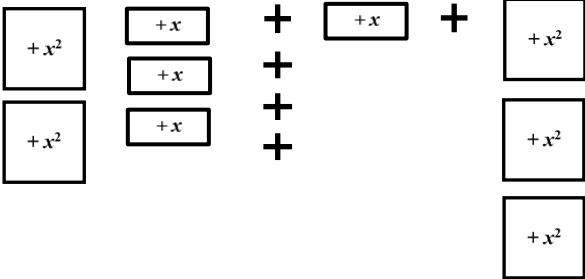
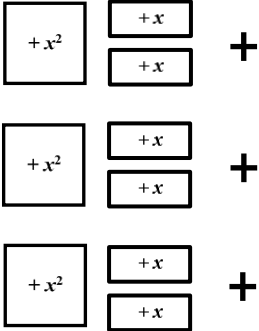
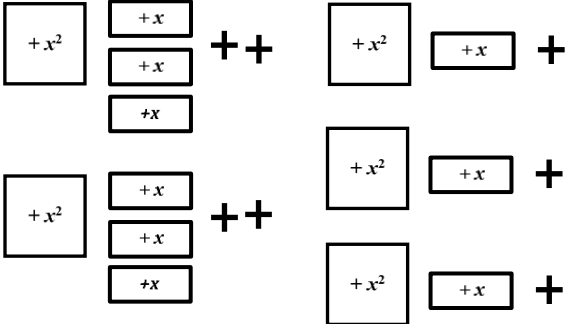
Learning Target: I will simplify algebraic expressions

 7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 6: Guided Practice (We Do - Continued)

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
<p>7.</p> $2x^2 + 3x + 4 + x + 1 + 3x^2$ 	
<p>8.</p> $3(x^2 + 2x + 1)$ 	
<p>9.</p> $2(x^2 + 3x + 2) + 3(x^2 + x + 1)$ 	



# Quick Check - Form F

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Directions:** Write the simplified equivalent expression. (Work time: 4 minutes)

<p><b>1.</b></p> $x + x + x$	<p><b>2.</b></p> $9x + 6 + x$
<p><b>3.</b></p> $8x + 4 - 2x + 6$	<p><b>4.</b></p> $4(x + 3)$
<p><b>5.</b></p> $5x + 6(x + 1)$	<p><b>6.</b></p> $4 + 5(x + 3) - 2x$



Name \_\_\_\_\_

Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 7: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Simplify each algebraic expression.

Not Simplified	Simplified
1. $4x + 7 + x + 2$	
2. $x^2 + 7x + 9 + x - 2$	
3. $6(x^2 + 5) + 1$	
4. $3(x^2 + 7) + 5x^2 + 9x - 1$	



Name \_\_\_\_\_ Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 7: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
5. $2x + 3 + 8x + 7 + x - 1$	
6. $7(x + 8) + 3x + 6$	
7. $3(2x^2 + 7) + 5x^2 + 8x - 4$	
8. $9(2x^2 + 8) + 4x^2 + 6x - 3$	





Name \_\_\_\_\_ Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 7: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
9. $x^2 + 4x + 7 + x + 1 + 5x^2$	
10. $6(x^2 + 7x + 8) - 10$	
11. $9(x^2 + 4x + 1) + 8(2x^2 + x + 7)$	
12. $3(7x^2 + x + 1) + 5(x^2 + 6x + 9)$	



# Quick Check - Form G

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Directions:** Write the simplified equivalent expression. (Work time: 4 minutes)

<p><b>1.</b></p> $x + x + x + x + x$	<p><b>2.</b></p> $4x + 3x + 2$
<p><b>3.</b></p> $4x + 6 - 2x + 3$	<p><b>4.</b></p> $5(x + 5)$
<p><b>5.</b></p> $7(x + 2) - 5x$	<p><b>6.</b></p> $x + 3(x + 1) - 2$



Name \_\_\_\_\_

Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 8: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Simplify each algebraic expression.

Not Simplified	Simplified
1. $2x + 9 + x + 2$	
2. $x^2 + 5x + 8 + x - 2$	
3. $7(x^2 + 6) + 1$	
4. $2(x^2 + 3) + 4x^2 + 7x - 1$	



Name \_\_\_\_\_ Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 8: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
5. $3x + 8 + 5x + 9 + x - 1$	
6. $7(x + 9) + 2x + 5$	
7. $9(2x^2 + 7) + 4x^2 + 8x - 5$	
8. $8(2x^2 + 7) + 5x^2 + x - 4$	



Name \_\_\_\_\_ Date \_\_\_\_\_

Learning Target: I will simplify algebraic expressions

7<sup>th</sup> Grade - RS 5 - 6.EE.4

## Session 8: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)

- Students take turns leading to simplify each algebraic expression.

Not Simplified	Simplified
9. $x^2 + 5x + 9 + x + 1 + 6x^2$	
10. $7(x^2 + 3x + 6) - 2$	
11. $3(x^2 + 9x + 1) + 7(2x^2 + x + 3)$	
12. $6(4x^2 + x + 1) + 8(x^2 + 7x + 3)$	



# Quick Check - Form H

7<sup>th</sup> Grade – Readiness Standard 5 – 6.EE.4

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will simplify algebraic expressions.

**Directions:** Write the simplified equivalent expression. (Work time: 4 minutes)

<p><b>1.</b></p> $x + x + x + x$	<p><b>2.</b></p> $5x + 6x + 10$
<p><b>3.</b></p> $3 + 9x - 6x + 4$	<p><b>4.</b></p> $6(x + 7)$
<p><b>5.</b></p> $4x + 2(x + 1)$	<p><b>6.</b></p> $4(x + 2) - 3 + x$