



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

Readiness Standard 5 - 7.EE.1c

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

**Learning Target:** I will factor linear expressions.

**1.**

Find the equivalent factored expression:

$$6x + 18$$

- ☐  $6(x + 3)$     ☐  $6(x + 18)$     ☐  $24x$     ☐  $6x + 3$

**2.**

Find the equivalent factored expression:

$$20x - 5$$

- ☐  $-5(4x + 1)$     ☐  $5(4x - 1)$     ☐  $15x$     ☐  $5(15x - 1)$

**3.**

Find the equivalent factored expression:

$$8x + 12$$

- ☐  $8(x + 4)$     ☐  $4(4x + 8)$     ☐  $20x$     ☐  $4(2x + 3)$



# Quick Check - Form A

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will factor linear expressions.

**Directions:** Write the equivalent factored expression. (Work time: 5 minutes)

<b>1.</b> $8x + 24$	<b>2.</b> $27x - 9$
<b>3.</b> $10x - 45$	<b>4.</b> $5x - 20$
<b>5.</b> $24x + 4$	<b>6.</b> $9x + 12$



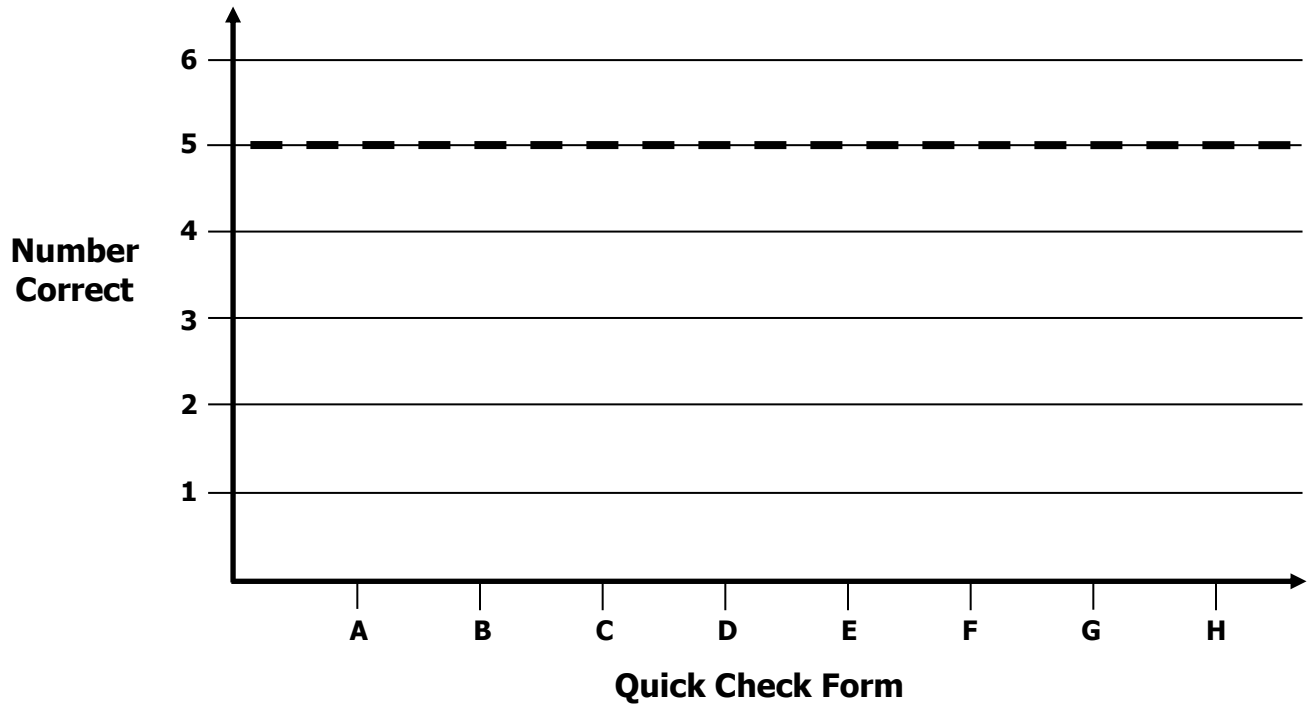
# Growth Chart

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will factor linear expressions.

**Goal:** 5 out of 6 correct



Intervention	Date	Score
Guided Review		



Name \_\_\_\_\_

Date \_\_\_\_\_

Learning Target: I will factor linear expressions

8<sup>th</sup> Grade - RS 5 - 7.EE.1c

## Session 2: Guided Practice (We Do)

### Materials:

- Algebra Tiles (1 set from p. 13 and p. 14: 20 +1-tiles, 20 -1-tiles, 16 +x-tiles and 16 +x-tiles per student)
- Multiplication/Factor Mat (1 per student)

### We Do Together: (Teacher Actions)

- Say, build and factor each linear expression to find both products.

**Problem type A:** When the **coefficient** is a factor of the **constant**, such as  $2x + 8$ .

1. $4x + 12$	2. $3x + 15$
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**Problem type B:** When the **coefficient** is **not** a factor of the **constant**, such as  $8x + 12$ .

3. $6x - 9$	4. $-4x + 10$
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Name \_\_\_\_\_

Date \_\_\_\_\_

**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

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

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

- Students take turns leading to factor each linear expression.

5. $3x + 12$	6. $4x + 12$
7. $10x + 15$	8. $10x - 15$
9. $-3x + 6$	10. $-6x - 12$



# Quick Check - Form B

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will factor linear expressions.

**Directions:** Write the equivalent factored expression. (Work time: 5 minutes)

<b>1.</b>  $7x + 56$	<b>2.</b>  $30x + 6$
<b>3.</b>  $8x - 20$	<b>4.</b>  $3x - 12$
<b>5.</b>  $36x + 4$	<b>6.</b>  $12x - 42$



Name \_\_\_\_\_

Date \_\_\_\_\_





**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

## Session 3: Guided Practice (We Do)

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

- Say, draw and factor each linear expression using a math drawing.

**Note:** The width is the greatest common factor of the coefficient and the constant.

<p>1.</p> $4x + 12$ 	<p>2.</p> $3x + 15$ 
<p>3.</p> $6x - 15$ 	<p>4.</p> $12x - 8$ 



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

**Learning Target:** I will factor linear expressions

8<sup>th</sup> Grade - RS 5 - 7.EE.1c

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

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

- Students take turns leading to factor each linear expression using a math drawing.

5.

$$3x + 12$$

--	--

6.

$$5x + 20$$

--	--

7.

$$9x - 15$$

--	--

8.

$$10x - 6$$

--	--

9.

$$6x + 3$$

--	--

10.

$$4x - 24$$

--	--





# Quick Check - Form C

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will factor linear expressions.

**Directions:** Write the equivalent factored expression. (Work time: 5 minutes)

<b>1.</b>  $6x + 42$	<b>2.</b>  $18x - 3$
<b>3.</b>  $21x - 35$	<b>4.</b>  $4x + 24$
<b>5.</b>  $56x + 7$	<b>6.</b>  $12x - 27$



Name \_\_\_\_\_

Date \_\_\_\_\_

**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

## Session 4: Guided Practice (We Do)

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

- Factor each linear expression.

1. $15x + 5$	2. $14x - 7$
3. $8x - 12$	4. $15x - 9$



Name \_\_\_\_\_

Date \_\_\_\_\_

**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

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

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

- Students take turns leading to factor each linear expression.

5. $15x + 12$	6. $8x - 12$
7. $20x - 8$	8. $18x + 6$
9. $28x - 12$	10. $16x - 24$



# Quick Check - Form D

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will d factor linear expressions.

**Directions:** Write the equivalent factored expression. (Work time: 5 minutes)

<b>1.</b>  $9x + 36$	<b>2.</b>  $32x - 8$
<b>3.</b>  $12x - 42$	<b>4.</b>  $7x + 35$
<b>5.</b>  $24x - 6$	<b>6.</b>  $8x + 20$



Name \_\_\_\_\_

Date \_\_\_\_\_





**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

## Session 5: Guided Practice (We Do)

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

- Say, draw and factor each linear expression using a math drawing.



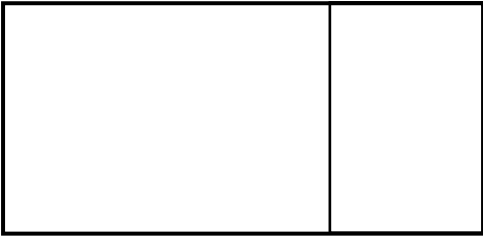


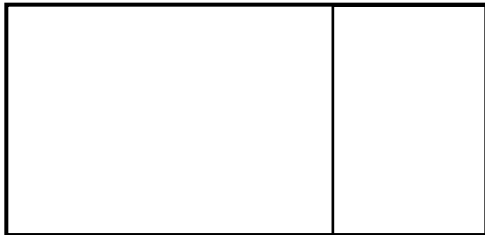
**Note:** The width is the greatest common factor of the coefficient and the constant.

<p>1.</p> $4x + 20$ 	<p>2.</p> $3x + 21$ 
<p>3.</p> $6x - 27$ 	<p>4.</p> $15x - 6$ 

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

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

- Students take turns leading to factor each linear expression using a math drawing.

<p>5.</p> $3x + 15$ 	<p>6.</p> $5x + 30$ 
<p>7.</p> $9x - 21$ 	<p>8.</p> $20x - 6$ 
<p>9.</p> $12x + 3$ 	<p>10.</p> $4x - 28$ 



# Quick Check - Form E

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will factor linear expressions.

**Directions:** Write the equivalent factored expression. (Work time: 5 minutes)

<b>1.</b>  $8x + 24$	<b>2.</b>  $27x - 9$
<b>3.</b>  $10x - 45$	<b>4.</b>  $5x - 20$
<b>6.</b>  $24x + 4$	<b>6.</b>  $9x + 12$



Name \_\_\_\_\_

Date \_\_\_\_\_




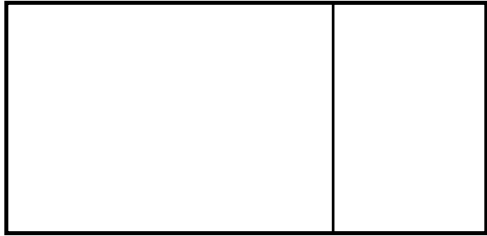
**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

## Session 6: Guided Practice (We Do)

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

- Say, draw and factor each linear expression using a math drawing.

**Note:** The width is the greatest common factor of the coefficient and the constant.

<p>1.</p> $3x + 12$ 	<p>2.</p> $5x + 15$ 
<p>3.</p> $4x - 18$ 	<p>4.</p> $20x - 8$ 



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

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

- Students take turns leading to factor each linear expression using a math drawing.

5.

$$4x + 12$$

--	--

6.

$$2x + 20$$

--	--

7.

$$12x - 15$$

--	--

8.

$$10x - 8$$

--	--

9.

$$6x + 2$$

--	--

10.

$$8x - 24$$

--	--



# Quick Check - Form F

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will factor linear expressions.

**Directions:** Write the equivalent factored expression. (Work time: 5 minutes)

<b>1.</b>  $7x + 56$	<b>2.</b>  $30x + 6$
<b>3.</b>  $8x - 20$	<b>4.</b>  $3x - 12$
<b>6.</b>  $36x + 4$	<b>6.</b>  $12x - 42$



Name \_\_\_\_\_

Date \_\_\_\_\_

**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

## Session 7: Guided Practice (We Do)

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

- Factor each linear expression.

1. $20x + 5$	2. $21x - 7$
3. $8x - 20$	4. $21x - 6$



Name \_\_\_\_\_

Date \_\_\_\_\_

**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

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

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

- Students take turns leading to factor each linear expression.

5. $18x + 12$	6. $6x - 15$
7. $28x - 8$	8. $24x + 6$
9. $30x - 12$	10. $12x - 18$



# Quick Check - Form G

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will factor linear expressions.

**Directions:** Write the equivalent factored expression. (Work time: 5 minutes)

<b>1.</b>  $6x + 42$	<b>2.</b>  $18x - 3$
<b>3.</b>  $21x - 35$	<b>4.</b>  $4x + 24$
<b>6.</b>  $56x + 7$	<b>6.</b>  $12x - 27$



Name \_\_\_\_\_

Date \_\_\_\_\_

**Learning Target:** I will factor linear expressions8<sup>th</sup> Grade - RS 5 - 7.EE.1c

## Session 8: Guided Practice (We Do)

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

- Factor each linear expression.

1. $35x + 5$	2. $21x - 7$
3. $8x - 20$	4. $24x - 9$



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

**Learning Target:** I will factor linear expressions

8<sup>th</sup> Grade - RS 5 - 7.EE.1c

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

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

- Students take turns leading to factor each linear expression.

5.  $18x + 12$	6.  $8x - 20$
7.  $28x - 8$	8.  $30x + 6$
9.  $16x - 12$	10.  $32x - 24$



# Quick Check - Form H

8<sup>th</sup> Grade – Readiness Standard 5 – 7.EE.1c

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

**Learning Target:** I will d factor linear expressions.

**Directions:** Write the equivalent factored expression. (Work time: 5 minutes)

<b>1.</b>  $9x + 36$	<b>2.</b>  $32x - 8$
<b>3.</b>  $12x - 42$	<b>4.</b>  $7x + 35$
<b>6.</b>  $24x - 6$	<b>6.</b>  $8x + 20$