7th Grade Fall Guided Review

Readiness Standard 4 - 6.EE.2c

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

1.

Evaluate the expression $4x + 3$ for $x = 2$.

- ○ 8
- ○ 9
- ○ 10
- ○ 11

2.

Evaluate the expression $x^2 + 5$ for $x = 3$.

- ○ 9
- ○ 14
- ○ 11
- ○ 10

3.

Evaluate the expression $20 - 3x$ for $x = 4$.

- ○ 17
- ○ 13
- ○ 12
- ○ 8

Quick Check - Form A

7th Grade - Readiness Standard 4 – 6.EE.2c

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

Directions: Evaluate each expression for the given value of *x*. (Work time: 4 minutes)

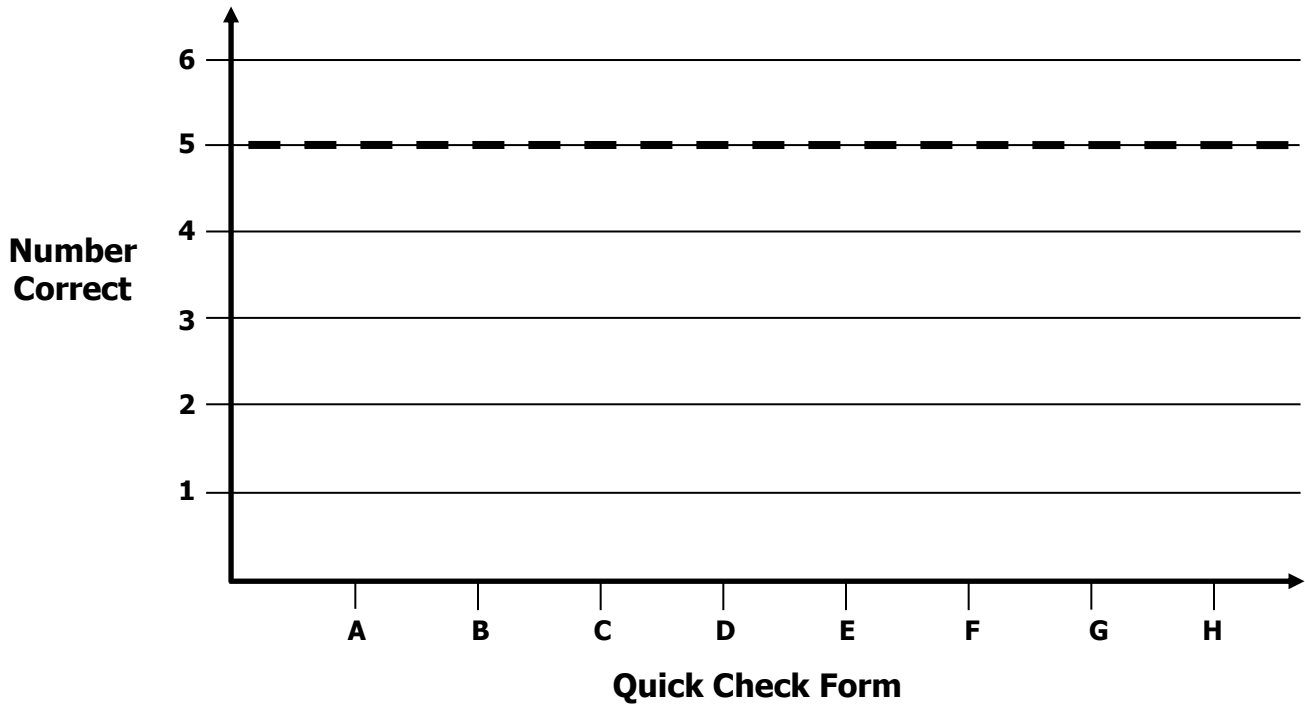|	
1. $2x + 4$, when $x = 3$	**2.** $10 - 2x$, when $x = 2$
3. $x^3 + 6$, when $x = 4$	**4.** $4(x + 2)$, when $x = 5$
5. $14 - 2x$, when $x = 3$	**6.** $x^2 - 4$, when $x = 3$

Growth Chart

7th Grade - Readiness Standard 4 – 6.EE.2c

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

Goal: 5 out of 6 correct

Number Correct (y-axis, values 1–6)

Quick Check Form (x-axis, A B C D E F G H)

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

Learning Target: I will evaluate algebraic expressions

Session 2: Guided Practice (We Do)

Materials:

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

➢ Expression mat (1 per student)

We Do Together: (Teacher Actions)

➢ Say, build and evaluate the algebraic expression.

1. $2x + 3$, when $x = 4$	2. $x^2 + 4$, when $x = 3$
3. $x - 3$, when $x = 5$	4. $4(x - 2)$, when $x = 3$

Learning Target: I will evaluate algebraic expressions   7th Grade - RS 4 - 6.EE.2c

Session 2: Guided Practice (We Do - Continued)

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

➢ Students take turns leading and repeat the steps to evaluate the algebraic expression and write the answer.

5. $3 + 2x$, when $x = 4$	**6.** $3x - 4$, when $x = 2$
7. $x^2 + 2$, when $x = 3$	**8.** $3(x - 2)$, when $x = 4$
9. $3x + 10$, when $x = 2$	**10.** $x^2 + 2$, when $x = 4$

Quick Check - Form B

DELTA MATH
Rtl PROGRAM

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

Directions: Evaluate each expression for the given value of *x*. (Work time: 4 minutes)

1. $6 + 2x$, when $x = 4$	**2.** $5x - 4$, when $x = 6$
3. $x^2 + 4$, when $x = 3$	**4.** $3(x - 2)$, when $x = 9$
5. $20 - 3x$, when $x = 4$	**6.** $x^3 + 2$, when $x = 4$

Session 3: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Say, draw and evaluate the algebraic expression.

1. $2x + 1$, when $x = 5$	**2.** $x - 4$, when $x = 9$
3. $x^2 - 4$, when $x = 3$	**4.** $3(x - 2)$, when $x = 6$

Session 3: Guided Practice (We Do - Continued)

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

> Students take turns leading and to say, draw and evaluate the algebraic expression.

5. $3 + 2x$, when $x = 4$	**6.** $3x - 4$, when $x = 2$
7. $x^2 + 2$, when $x = 3$	**8.** $3(x - 2)$, when $x = 5$
9. $3x + 10$, when $x = 2$	**10.** $x^2 + 2$, when $x = 4$

Quick Check - Form C

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

Directions: Evaluate each expression for the given value of x. (Work time: 4 minutes)

1. $9x + 3$, when $x = 2$	**2.** $12 - 3x$, when $x = 3$
3. $x^3 + 2$, when $x = 3$	**4.** $4(x + 7)$, when $x = 2$
5. $16 - 3x$, when $x = 2$	**6.** $x^2 - 1$, when $x = 4$

Learning Target: I will evaluate algebraic expressions   7th Grade - RS 4 - 6.EE.2c

Session 4: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢   Use substitution to evaluate each algebraic expression.

1. $2x + 1$, when $x = 8$	**2.** $x - 4$, when $x = 13$
3. $x^2 - 4$, when $x = 7$	**4.** $3(x - 2)$, when $x = 9$

Learning Target: I will evaluate algebraic expressions $\qquad$ 7th Grade - RS 4 - 6.EE.2c

Session 4: Guided Practice (We Do - Continued)

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

➢ Students take turns leading to evaluate each algebraic expression using substitution.

5. $3 + 2x$, when $x = 5$	**6.** $3x - 4$, when $x = 7$
7. $x^2 + 2$, when $x = 6$	**8.** $3(x - 2)$, when $x = 8$
9. $3x + 10$, when $x = 5$	**10.** $x^2 + 2$, when $x = 9$

Name_____ **Date**_____

Learning Target: I will evaluate algebraic expressions.

Directions: Evaluate each expression for the given value of *x*. (Work time: 4 minutes)

1. $5x + 4$, when $x = 3$	**2.** $6x - 10$, when $x = 5$
3. $x^3 + 4$, when $x = 2$	**4.** $2(x - 1)$, when $x = 6$
5. $16 - x$, when $x = 5$	**6.** $x^2 + 5$, when $x = 6$

Learning Target: I will evaluate algebraic expressions   7th Grade - RS 4 - 6.EE.2c

Session 5: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢   Say, draw and evaluate the algebraic expression.

1. $3x + 1$, when $x = 2$	**2.** $x - 2$, when $x = 10$
3. $x^2 - 3$, when $x = 5$	**4.** $3(x - 2)$, when $x = 4$

Session 5: Guided Practice (We Do - Continued)

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

➢ Students take turns leading and to say, draw and evaluate the algebraic expression.

5. $4 + 2x$, when $x = 3$	**6.** $4x - 3$, when $x = 2$
7. $x^2 + 3$, when $x = 2$	**8.** $3(x - 2)$, when $x = 4$
9. $2x + 10$, when $x = 4$	**10.** $x^2 + 3$, when $x = 5$

Quick Check - Form E

7th Grade - Readiness Standard 4 – 6.EE.2c

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

Directions: Evaluate each expression for the given value of *x*. (Work time: 4 minutes)

1. $2x + 4$, when $x = 3$	**2.** $10 - 2x$, when $x = 2$
3. $x^3 + 6$, when $x = 4$	**4.** $4(x + 2)$, when $x = 5$
5. $14 - 2x$, when $x = 3$	**6.** $x^2 - 4$, when $x = 3$

Session 6: Guided Practice (We Do)

We Do Together: (Teacher Actions)

> ➢ Say, draw and evaluate the algebraic expression.

1. $2x + 1$, when $x = 3$	**2.** $x - 4$, when $x = 7$
3. $x^2 - 4$, when $x = 4$	**4.** $3(x - 2)$, when $x = 5$

Session 6: Guided Practice (We Do - Continued)

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

➢ Students take turns leading and to say, draw and evaluate the algebraic expression.

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

Quick Check - Form F

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

Directions: Evaluate each expression for the given value of *x*. (Work time: 4 minutes)

1. $6 + 2x$, when $x = 4$	**2.** $5x - 4$, when $x = 6$
3. $x^2 + 4$, when $x = 3$	**4.** $3(x - 2)$, when $x = 9$
5. $20 - 3x$, when $x = 4$	**6.** $x^3 + 2$, when $x = 4$

Session 7: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Use substitution to evaluate each algebraic expression.

1. $6x + 1$, when $x = 8$	**2.** $x - 5$, when $x = 13$
3. $x^2 - 3$, when $x = 9$	**4.** $4(x - 2)$, when $x = 7$

Session 7: Guided Practice (We Do - Continued)

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

➢ Students take turns leading to evaluate each algebraic expression using substitution.

5. $3 + 7x$, when $x = 8$	**6.** $9x - 4$, when $x = 7$
7. $x^2 + 3$, when $x = 7$	**8.** $6(x - 2)$, when $x = 8$
9. $8x + 10$, when $x = 9$	**10.** $x^2 - 5$, when $x = 8$

Quick Check - Form G

7th Grade - Readiness Standard 4 – 6.EE.2c

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

Directions: Evaluate each expression for the given value of *x*. (Work time: 4 minutes)

1. $9x + 3$, when $x = 2$	**2.** $12 - 3x$, when $x = 3$
3. $x^3 + 2$, when $x = 3$	**4.** $4(x + 7)$, when $x = 2$
5. $16 - 3x$, when $x = 2$	**6.** $x^2 - 1$, when $x = 4$

Session 8: Guided Practice (We Do - Continued)

We Do Together: (Teacher Actions)

➢ Use substitution to evaluate each algebraic expression.

1. $7x + 1$, when $x = 9$	**2.** $x - 6$, when $x = 15$
3. $x^2 - 4$, when $x = 8$	**4.** $8(x - 2)$, when $x = 7$

Session 8: Guided Practice (We Do - Continued)

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

➢ Students take turns leading to evaluate each algebraic expression using substitution.

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

Name_____ Date_____

Learning Target: I will evaluate algebraic expressions.

Directions: Evaluate each expression for the given value of *x*. (Work time: 4 minutes)

1. $5x + 4$, when $x = 3$	**2.** $6x - 10$, when $x = 5$
3. $x^3 + 4$, when $x = 2$	**4.** $2(x - 1)$, when $x = 6$
5. $16 - x$, when $x = 5$	**6.** $x^2 + 5$, when $x = 6$