Learning Target: I will evaluate number expressions using parentheses

Session 1: Guided Practice (We Do)

Materials:

➢ Base-Ten Blocks (20 ones)

➢ Number Expression Cards (2 sets)

➢ Order of Operations Poster (Posted on the wall)

We Do Together: (Teacher Actions)

➢ Find each number expression card and place them side-by-side.

➢ Use base-ten blocks and the order of operations to evaluate both number expressions.

1.	$10 - 3 - 1$ and $10 - (3 - 1)$
2.	$12 \div 4 - 1$ and $12 \div (4 - 1)$
3.	$4 + 6 \div 3 - 1$ and $(4 + 6) \div (3 - 1)$

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

➢ Students take turns leading to evaluate each number expression.

4.	$8 - 4 + 2$ and $8 - (4 + 2)$
5.	$4 \times 5 - 2$ and $4 \times (5 - 2)$
6.	$4 + 1 \times 5 - 2$ and $(4 + 1) \times (5 - 2)$

Quick Check - Form A

Name_____ Date_____

Learning Target: I will evaluate number expressions using parentheses.

Directions: Find the value of each number expression. (Work time: 4 minutes)

1. $8 \times (3 + 2)$	**2.** $10 - (2 + 5)$
3. $(9 - 3) \times (2 + 4)$	**4.** $12 \div (3 - 1)$
5. $9 - (5 - 2)$	**6.** $(6 + 12) \div (6 - 3)$

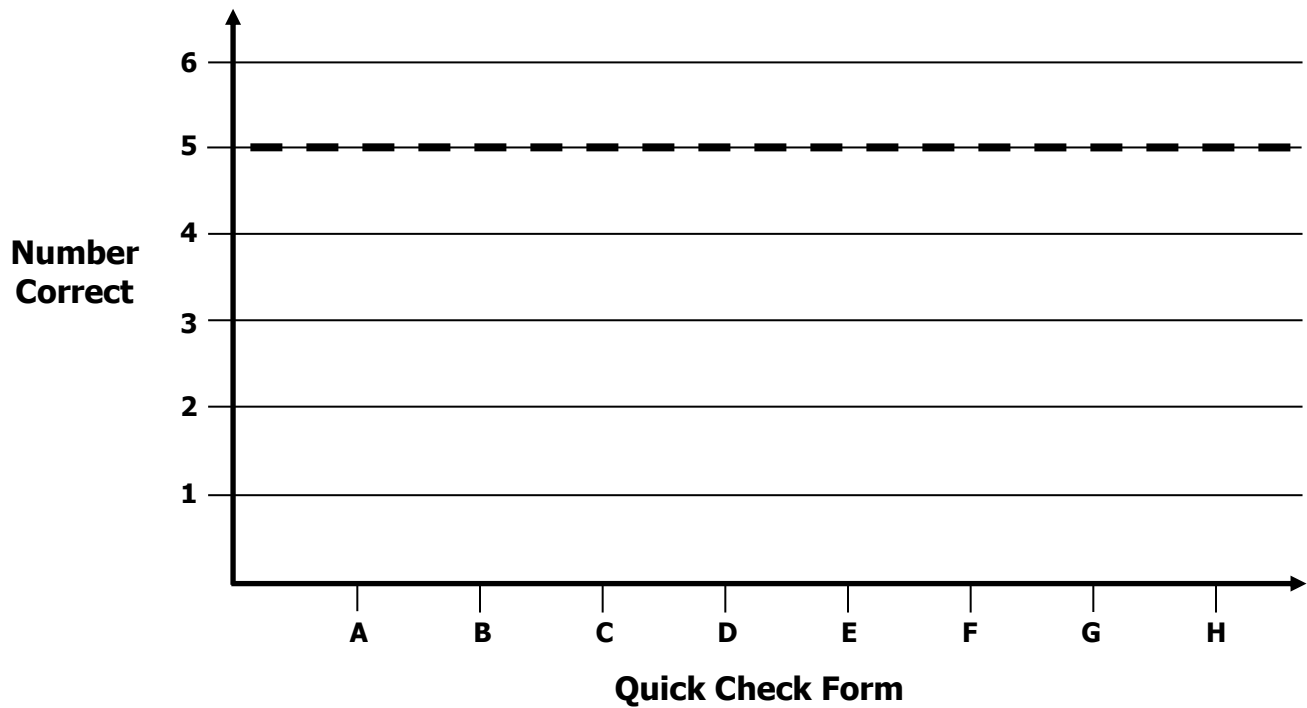# Growth Chart

Name_____ Date_____

Learning Target: I will evaluate number 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:		

Learning Target: I will evaluate number expressions using parentheses

Session 2: Guided Practice (We Do)

Materials:

➤ Base-Ten Blocks (20 ones)

➤ Order of Operations Poster (Posted on the wall - See Session 1)

We Do Together: (Teacher Actions)

➤ Find each number expression card and place them side-by-side.

➤ Use base-ten blocks and the order of operations to evaluate both number expressions.

1. 10 − 4 − 1	and	10 − (4 − 1)
2. 12 ÷ 3 − 1	and	12 ÷ (3 − 1)
3. 4 + 8 ÷ 4 − 1	and	(4 + 8) ÷ (4 − 1)

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

➤ Students take turns leading to evaluate each number expression.

4. 10 − 5 + 2	and	10 − (5 + 2)
5. 3 x 4 − 2	and	3 x (4 − 2)
6. 4 + 2 x 4 − 2	and	(4 + 2) x (4 − 2)

Quick Check - Form B

Name_____ Date_____

Learning Target: I will evaluate number expressions using parentheses.

Directions: Find the value of each number expression. (Work time: 4 minutes)

1. 10 x (2 + 5)	**2.** 12 – (6 + 3)
3. (8 – 2) x (4 + 6)	**4.** 24 ÷ (8 – 5)
5. 11 – (6 – 4)	**6.** (4 + 10) ÷ (5 – 3)

Learning Target: I will evaluate number expressions using parentheses

Session 3: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Say each number expression.

➢ Write each step used to evaluate each number expression.

1.

  10 − 3 − 1   and   10 − (3 − 1)

2.

  12 ÷ 4 − 1   and   12 ÷ (4 − 1)

3.

  4 + 6 ÷ 3 − 1   and   (4 + 6) ÷ (3 − 1)

4.

  5 + 3 x 7 + 2   and   (5 + 3) x (7 + 2)

Learning Target: I will evaluate number expressions using parentheses

Session 3: Guided Practice (We Do - Continued)

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

➢ Students take turns leading to evaluate each number expression.

5.
8 − 4 + 2   and   8 − (4 + 2)

6.
7 x 5 − 2   and   7 x (5 − 2)

7.
4 + 2 x 5 − 3   and   (4 + 2) x (5 − 3)

8.
8 + 5 − 3 x 2   and   8 + (5 − 3) x 2

Quick Check - Form C

Name_____ Date_____

Learning Target: I will evaluate number expressions using parentheses.

Directions: Find the value of each number expression. (Work time: 4 minutes)

1. 9 x (4 + 3)	**2.** 11 – (4 + 1)
3. (10 – 5) x (1 + 4)	**4.** 18 ÷ (6 – 3)
5. 12 – (4 – 3)	**6.** (5 + 16) ÷ (8 – 1)

Learning Target: I will evaluate number expressions using parentheses

Session 4: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Say each number expression.

➢ Write each step used to evaluate each number expression.

1.

$$10 - 3 + 1 \qquad \text{and} \qquad 10 - (3 + 1)$$

2.

$$15 \div 5 - 2 \qquad \text{and} \qquad 15 \div (5 - 2)$$

3.

$$4 + 6 \div 2 - 1 \qquad \text{and} \qquad (4 + 6) \div (2 - 1)$$

4.

$$5 + 3 \times 4 + 2 \qquad \text{and} \qquad (5 + 3) \times (4 + 2)$$

Learning Target: I will evaluate number expressions using parentheses

Session 4: Guided Practice (We Do - Continued)

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

➤ Students take turns leading to evaluate each number expression.

5.	$8 - 6 + 2$ and $8 - (6 + 2)$
6.	$7 \times 6 - 2$ and $7 \times (6 - 2)$
7.	$4 + 2 \times 9 - 3$ and $(4 + 2) \times (9 - 3)$
8.	$9 + 5 - 3 \times 2$ and $(9 + 5) - (3 \times 2)$

Quick Check - Form D

Name_____ Date_____

Learning Target: I will evaluate number expressions using parentheses.

Directions: Find the value of each number expression. (Work time: 4 minutes)

1. $7 \times (6 + 4)$	**2.** $14 - (7 + 2)$
3. $(12 - 4) \times (2 + 5)$	**4.** $20 \div (4 - 2)$
5. $10 - (7 - 3)$	**6.** $(8 + 8) \div (8 - 4)$

Learning Target: I will evaluate number expressions using parentheses

Session 5: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Say each number expression.

➢ Write each step used to evaluate each number expression.

1.

$$15 - 5 - 1 \qquad \text{and} \qquad 15 - (5 - 1)$$

2.

$$24 \div 4 - 1 \qquad \text{and} \qquad 24 \div (4 - 1)$$

3.

$$8 + 12 \div 3 - 1 \qquad \text{and} \qquad (8 + 12) \div (3 - 1)$$

4.

$$5 + 3 \times 8 + 2 \qquad \text{and} \qquad (5 + 3) \times (8 + 2)$$

Learning Target: I will evaluate number expressions using parentheses

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

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

➢ Students take turns leading to evaluate each number expression.

5.	$\qquad$ 10 − 4 + 2 $\qquad$ and $\qquad$ 10 − (4 + 2)
6.	$\qquad$ 9 x 5 − 2 $\qquad$ and $\qquad$ 9 x (5 − 2)
7.	6 + 2 x 5 − 3 $\qquad$ and $\qquad$ (6 + 2) x (5 − 3)
8.	12 + 6 − 3 x 2 $\qquad$ and $\qquad$ (12 + 6) − (3 x 2)

Quick Check - Form E

Name_____ Date_____

Learning Target: I will evaluate number expressions using parentheses.

Directions: Find the value of each number expression. (Work time: 4 minutes)

1. $8 \times (3 + 2)$	**2.** $10 - (2 + 5)$
3. $(9 - 3) \times (2 + 4)$	**4.** $12 \div (3 - 1)$
5. $9 - (5 - 2)$	**6.** $(6 + 12) \div (6 - 3)$

Learning Target: I will evaluate number expressions using parentheses

Session 6: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Say each number expression.

➢ Use the order of operations to evaluate each number expression and record your work below.

1.	$12 - 4 - 1$ and $12 - (4 - 1)$
2.	$20 \div 5 - 1$ and $20 \div (5 - 1)$
3.	$2 + 6 \div 3 - 1$ and $(2 + 6) \div (3 - 1)$
4.	$5 + 2 \times 7 + 3$ and $(5 + 2) \times (7 + 3)$

Learning Target: I will evaluate number expressions using parentheses

Session 6: Guided Practice (We Do - Continued)

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

➢ Students take turns leading to evaluate each number expression.

5.

$$9 - 4 + 3 \quad \text{and} \quad 9 - (4 + 3)$$

6.

$$6 \times 9 - 2 \quad \text{and} \quad 6 \times (9 - 2)$$

7.

$$8 + 2 \times 5 - 2 \quad \text{and} \quad (8 + 2) \times (5 - 2)$$

8.

$$9 + 4 - 2 \times 3 \quad \text{and} \quad 9 + (4 - 2) \times 3$$

Quick Check - Form F

Name_____ Date_____

Learning Target: I will evaluate number expressions using parentheses.

Directions: Find the value of each number expression. (Work time: 4 minutes)

1. 10 x (2 + 5)	**2.** 12 – (6 + 3)
3. (8 – 2) x (4 + 6)	**4.** 24 ÷ (8 – 5)
5. 11 – (6 – 4)	**6.** (4 + 10) ÷ (5 – 3)

Learning Target: I will evaluate number expressions using parentheses

Session 7: **Guided Practice** (We Do)

We Do Together: (Teacher Actions)

 ➢ Say each number expression.

 ➢ Use the order of operations to evaluate each number expression and record your work below.

1. $12 - 6 - 2$ and $12 - (6 - 2)$
2. $28 \div 7 - 3$ and $28 \div (7 - 3)$
3. $4 + 12 \div 4 - 2$ and $(4 + 12) \div (4 - 2)$
4. $6 + 2 \times 7 + 3$ and $(6 + 2) \times 7 + 3$

Learning Target: I will evaluate number expressions using parentheses

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

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

➤ Students take turns leading to evaluate each number expression.

5.	15 − 4 + 5 and 15 − (4 + 5)
6.	8 x 9 − 2 and 8 x (9 − 2)
7.	7 + 2 x 8 − 2 and (7 + 2) x (8 − 2)
8.	9 + 4 − 2 x 5 and 9 + (4 − 2) x 5

Quick Check - Form G

Name_____ Date_____

Learning Target: I will evaluate number expressions using parentheses.

Directions: Find the value of each number expression. (Work time: 4 minutes)

1.
 	
   9 x (4 + 3)
	2.
	
	   11 – (4 + 1)

3.
 	
   (10 – 5) x (1 + 4)
	4.
	
	   18 ÷ (6 – 3)

5.
 	
   12 – (4 – 3)
	6.
	
	   (5 + 16) ÷ (8 – 1)

Learning Target: I will evaluate number expressions using parentheses

Session 8: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Say each number expression.

➢ Use the order of operations to evaluate each number expression and record your work below.

1. $20 - 10 - 2$ and $20 - (10 - 2)$	
2. $24 \div 6 - 2$ and $24 \div (6 - 2)$	
3. $4 + 6 \div 2 - 1$ and $(4 + 6) \div (2 - 1)$	
4. $3 + 6 \times 7 + 2$ and $(3 + 6) \times (7 + 2)$	

Learning Target: I will evaluate number expressions using parentheses

Session 8: Guided Practice (We Do - Continued)

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

➢ Students take turns leading to evaluate each number expression.

5.	10 − 4 + 2 $\quad$ and $\quad$ 10 − (4 + 2)
6.	7 x 10 − 2 $\quad$ and $\quad$ 7 x (10 − 2)
7.	8 + 2 x 5 − 2 $\quad$ and $\quad$ 8 + 2 x (5 − 2)
8.	12 + 4 − 2 x 3 $\quad$ and $\quad$ 12 + (4 − 2) x 3

Quick Check - Form H

Name_____ Date_____

Learning Target: I will evaluate number expressions using parentheses.

Directions: Find the value of each number expression. (Work time: 4 minutes)

1. $7 \times (6 + 4)$	**2.** $14 - (7 + 2)$
3. $(12 - 4) \times (2 + 5)$	**4.** $20 \div (4 - 2)$
5. $10 - (7 - 3)$	**6.** $(8 + 8) \div (8 - 4)$