



Name _____ Date _____

Learning Target: I will solve equations with more than one step

Session 1: Guided Practice (We Do)

Materials:

- Algebra Tiles (20 +1's, 10 +x's, 20 -1's, 10 -x's per pair of students taking turns using the tiles.)
- Equation mat (1 per student)

We Do Together: (Teacher Actions)

- Translate the equation into a phrase with meaning. Then, use algebra tiles to find the solution.

1. $3x + 4 = 10$	2. $3x - 4 = 8$
3. $-13 = 4x + 3$	4. $4x - 1 = -13$



Name _____ Date _____

Learning Target: I will solve equations with more than one step

Session 1: Guided Practice (We Do - Continued)

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

- Students take turns leading to solve each equation using algebra tiles.

5. $2x + 4 = 10$	6. $2x + 4 = -10$
7. $3x - 1 = -13$	8. $3x - 1 = 14$
9. $4x + 2 = -10$	10. $4x - 2 = -10$



Quick Check - Form A

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Directions: Solve each equation for x . (Work time: 4 minutes)

1.

$$16 = 2x + 4$$

2.

$$3 - 4x = 11$$

3.

$$-5 + 3x = 10$$

4.

$$2(x + 5) = 30$$

5.

$$\frac{1}{4}(x - 3) = 20$$

6.

$$\frac{2}{3}x + 6 = -14$$

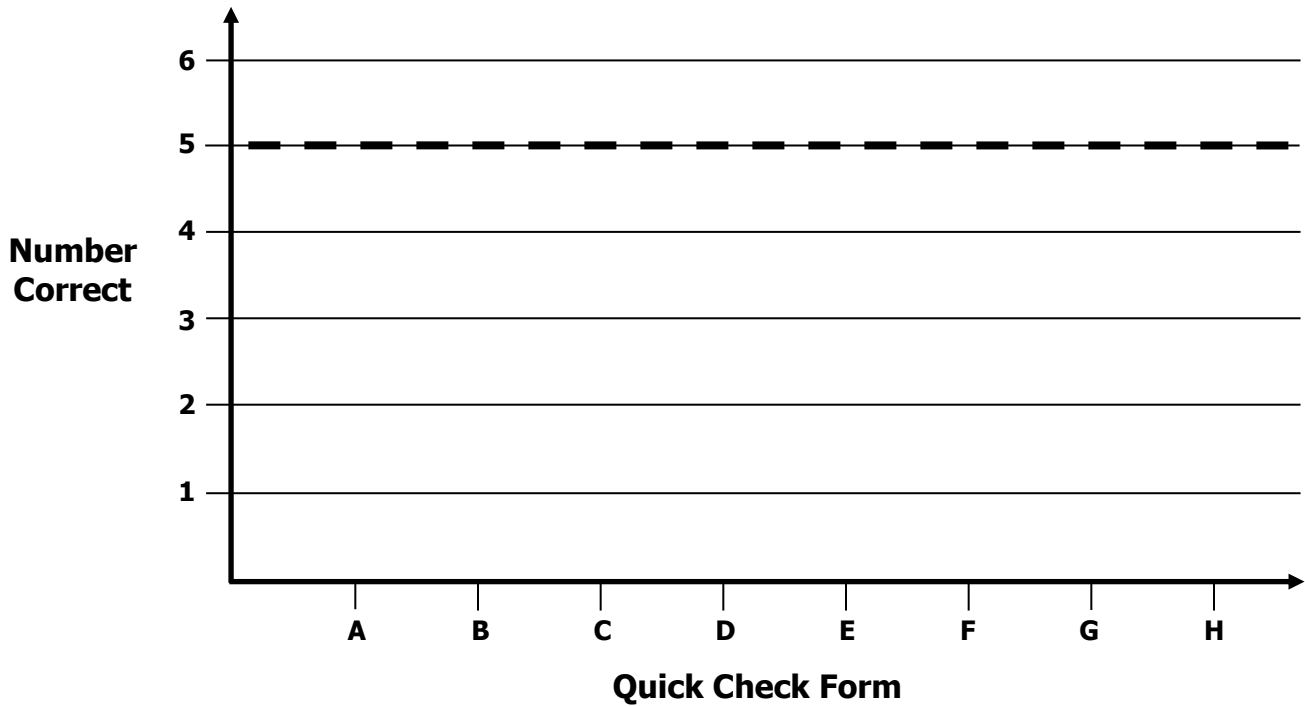


Growth Chart

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Goal: 5 out of 6 correct



Intervention	Date	Score
Guided Review		



Name _____ Date _____

Learning Target: I will solve equations with more than one step

Session 2: Guided Practice (We Do)

Materials:

- Algebra Tiles (20 +1's, 10 +x's, 20 -1's, 10 -x's per pair of students taking turns using the tiles.)
- Equation mat (1 per student)

We Do Together: (Teacher Actions)

- Translate the equation into a phrase with meaning. Then, use algebra tiles to find the solution.

1. $3x + 6 = 12$	2. $3x - 6 = 6$
3. $-14 = 4x + 2$	4. $4x - 2 = -14$



Name _____ Date _____

Learning Target: I will solve equations with more than one step

Session 2: Guided Practice (We Do - Continued)

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

- Students take turns leading to solve each equation using algebra tiles.

5. $2x + 3 = 9$	6. $2x + 3 = -11$
7. $3x - 2 = -14$	8. $3x - 2 = 13$
9. $4x + 3 = -9$	10. $4x - 3 = -11$



Quick Check - Form B

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Directions: Solve each equation for x . (Work time: 4 minutes)

1.

$$31 = 5x + 6$$

2.

$$2 - 3x = 11$$

3.

$$-10 + 5x = 40$$

4.

$$2(x + 9) = 24$$

5.

$$\frac{1}{5}(x - 2) = 8$$

6.

$$\frac{3}{4}x + 10 = -14$$

Learning Target: I will solve equations with more than one step

Session 3: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- Translate the equation into a phrase with meaning. Then, complete the math drawing to find the solution.

<p>1.</p> $13 = 4x + 1$	<p>2.</p> $3x - 2 = -17$
<p>3.</p> $2(x + 4) = 14$	<p>4.</p> $-9 = 2x + 3$

Learning Target: I will solve equations with more than one step

Session 3: Guided Practice (We Do - Continued)

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

- Students take turns leading to solve each equation.

<p>5.</p> $2x + 4 = 10$	<p>6.</p> $3(x + 2) = -9$
<p>7.</p> $14 = 3x - 1$	<p>8.</p> $-13 = 3x - 1$
<p>9.</p> $4x + 2 = -10$	<p>10.</p> $4x - 2 = -10$



Quick Check - Form C

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Directions: Solve each equation for x . (Work time: 4 minutes)

1.

$$14 = 4x + 2$$

2.

$$5 - 2x = 19$$

3.

$$-7 + 4x = 21$$

4.

$$3(x + 4) = 24$$

5.

$$\frac{1}{3}(x - 6) = 7$$

6.

$$\frac{4}{5}x + 3 = -17$$

Learning Target: I will solve equations with more than one step

Session 4: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- Translate the equation into a phrase with meaning. Then, complete the math drawing to find the solution.

<p>1.</p> $14 = 4x + 2$	<p>2.</p> $3x - 4 = -19$
<p>3.</p> $2(x + 5) = 16$	<p>4.</p> $-8 = 2x + 4$

Learning Target: I will solve equations with more than one step

Session 4: Guided Practice (We Do - Continued)

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

- Students take turns leading to solve each equation.

<p>5.</p> $2x + 6 = 12$	<p>6.</p> $3(x + 1) = -9$
<p>7.</p> $11 = 3x - 4$	<p>8.</p> $-14 = 3x - 2$
<p>9.</p> $4x + 3 = -9$	<p>10.</p> $4x - 3 = -11$



Quick Check - Form D

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Directions: Solve each equation for x . (Work time: 4 minutes)

<p>1.</p> $20 = 6x + 8$	<p>2.</p> $7 - 5x = 32$
<p>3.</p> $-9 + 8x = 15$	<p>4.</p> $4(x + 2) = 28$
<p>5.</p> $\frac{1}{2}(x - 4) = 10$	<p>6.</p> $\frac{3}{5}x + 5 = -25$

Learning Target: I will solve equations with more than one step

Session 5: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- Translate the equation into a phrase with meaning. Then, complete the math drawing to find the solution.

<p>1. "1 third of what number plus 3 is equal to 10?"</p> $\frac{1}{3}x + 3 = 10$ <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">+ 3</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;"> </div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> </div> <div style="text-align: center; margin-top: 10px;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="margin: 0;">+x-tile</p> </div>	<p>2.</p> $\frac{1}{4}x - 3 = -1$ <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">+ x</div> <div style="margin-right: 10px;">-</div> <div style="margin-right: 10px;">-</div> <div style="margin-right: 10px;">-</div> <div style="margin-right: 10px;">-</div> <div style="margin-right: 10px;"> </div> <div style="margin-right: 10px;">-</div> </div> <div style="text-align: center; margin-top: 10px;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="margin: 0;">+x-tile</p> </div>
<p>3.</p> $1 = \frac{2}{5}x - 5$ <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;"> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">+ 5</div> <div style="margin-right: 10px;">-</div> <div style="margin-right: 10px;">-</div> <div style="margin-right: 10px;">-</div> <div style="margin-right: 10px;">-</div> <div style="margin-right: 10px;">-</div> </div> <div style="text-align: center; margin-top: 10px;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="margin: 0;">+x-tile</p> </div>	<p>4.</p> $\frac{3}{4}x + 2 = 17$ <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">+ 2</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;"> </div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> <div style="margin-right: 10px;">+</div> </div> <div style="text-align: center; margin-top: 10px;"> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="margin: 0;">+x-tile</p> </div>

Learning Target: I will solve equations with more than one step

Session 5: Guided Practice (We Do - Continued)

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

- Students take turns leading to solve each 1-step equation.

<p>5. "1 fourth of what number plus 2 is equal to 9?"</p> $\frac{1}{4}x + 2 = 9$	<p>6.</p> $\frac{2}{3}x - 5 = 1$
<p>7.</p> $7 = 3x + 1$	<p>8.</p> $\frac{1}{3}x - 4 = 2$
<p>9.</p> $10 = \frac{3}{5}x - 2$	<p>10.</p> $4x + 5 = 17$



Quick Check - Form E

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Directions: Solve each equation for x . (Work time: 4 minutes)

1.

$$16 = 2x + 4$$

2.

$$3 - 4x = 11$$

3.

$$-5 + 3x = 10$$

4.

$$2(x + 5) = 30$$

5.

$$\frac{1}{4}(x - 3) = 20$$

6.

$$\frac{2}{3}x + 6 = -14$$

Learning Target: I will solve equations with more than one step

Session 6: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- Translate the equation into a phrase with meaning. Then, complete the math drawing to find the solution.

<p>1. <i>"1 third of what number plus 5 is equal to 12?"</i></p> $\frac{1}{3}x + 5 = 12$ <div style="border: 1px solid black; width: 100px; height: 30px; margin: 10px auto;"></div> <p style="text-align: center; margin-top: 5px;"><i>+x-tile</i></p>	<p>2.</p> $\frac{1}{4}x - 5 = -3$ <div style="border: 1px solid black; width: 100px; height: 30px; margin: 10px auto;"></div> <p style="text-align: center; margin-top: 5px;"><i>+x-tile</i></p>
<p>3.</p> $2 = \frac{2}{5}x - 4$ <div style="border: 1px solid black; width: 100px; height: 30px; margin: 10px auto;"></div> <p style="text-align: center; margin-top: 5px;"><i>+x-tile</i></p>	<p>4.</p> $\frac{3}{4}x + 1 = 16$ <div style="border: 1px solid black; width: 100px; height: 30px; margin: 10px auto;"></div> <p style="text-align: center; margin-top: 5px;"><i>+x-tile</i></p>

Learning Target: I will solve equations with more than one step

Session 6: Guided Practice (We Do - Continued)

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

- Students take turns leading to solve each 1-step equation.

<p>5. "1 fourth of what number plus 2 is equal to 9?"</p> $\frac{1}{4}x + 3 = 10$	<p>6.</p> $\frac{2}{3}x - 2 = 4$
<p>7.</p> $8 = 3x + 2$	<p>8.</p> $\frac{1}{3}x - 2 = 4$
<p>9.</p> $9 = \frac{3}{5}x - 3$	<p>10.</p> $4x + 6 = 18$



Quick Check - Form F

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Directions: Solve each equation for x . (Work time: 4 minutes)

1.

$$31 = 5x + 6$$

2.

$$2 - 3x = 11$$

3.

$$-10 + 5x = 40$$

4.

$$2(x + 9) = 24$$

5.

$$\frac{1}{5}(x - 2) = 8$$

6.

$$\frac{3}{4}x + 10 = -14$$



Name _____

Date _____

Learning Target: I will solve equations with more than one step

Session 7: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- Translate the equation into a phrase to understand the equality. Then, show each step using numbers and symbols to find the solution.

<p>1. $19 = 4x - 1$</p>	<p>2. $2(x + 4) = 14$</p>	<p>3. $\frac{2}{3}x + 4 = 10$</p>
------------------------------------	--------------------------------------	--



Name _____ Date _____

Learning Target: I will solve equations with more than one step

Session 7: Guided Practice (We Do - Continued)

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

- Students take turns leading to show each step using numbers and symbols to find the solution.

4. $2x + 4 = 10$	5. $3(x + 2) = -9$	6. $-13 = 3x - 1$
7. $\frac{1}{4}x + 2 = 9$	8. $\frac{2}{3}x - 5 = 1$	9. $1 = \frac{2}{5}x - 5$



Quick Check - Form G

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Directions: Solve each equation for x . (Work time: 4 minutes)

1.

$$14 = 4x + 2$$

2.

$$5 - 2x = 19$$

3.

$$-7 + 4x = 21$$

4.

$$3(x + 4) = 24$$

5.

$$\frac{1}{3}(x - 6) = 7$$

6.

$$\frac{4}{5}x + 3 = -17$$



Name _____

Date _____

Learning Target: I will solve equations with more than one step

Session 8: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- Translate the equation into a phrase to understand the equality. Then, show each step using numbers and symbols to find the solution.

<p>1. $18 = 4x - 2$</p>	<p>2. $2(x + 4) = 16$</p>	<p>3. $\frac{2}{3}x + 6 = 12$</p>
------------------------------------	--------------------------------------	--



Name _____ Date _____

Learning Target: I will solve equations with more than one step

Session 8: Guided Practice (We Do - Continued)

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

- Students take turns leading to show each step using numbers and symbols to find the solution.

4. $2x + 3 = 9$	5. $3(x + 2) = -6$	6. $-18 = 3x - 6$
7. $\frac{1}{4}x + 3 = 10$	8. $\frac{2}{3}x - 8 = -2$	9. $1 = \frac{2}{5}x - 13$



Quick Check - Form H

Name _____ Date _____

Learning Target: I will solve multi-step linear equations.

Directions: Solve each equation for x . (Work time: 4 minutes)

1.

$$20 = 6x + 8$$

2.

$$7 - 5x = 32$$

3.

$$-9 + 8x = 15$$

4.

$$4(x + 2) = 28$$

5.

$$\frac{1}{2}(x - 4) = 10$$

6.

$$\frac{3}{5}x + 5 = -25$$