Name_____ Date_____

Learning Target: I will solve 1-step equations.

1.

Solve the equation for *x*.

$$x + 4 = 12$$

○ 3   ○ 8   ○ 16   ○ 48

2.

Solve the equation for *x*.

$$12 = 3x$$

○ 4   ○ 15   ○ 9   ○ 36

3.

Solve the equation for *x*.

$$\frac{1}{3}x = 6$$

○ 2   ○ 3   ○ 9   ○ 18

Quick Check - Form A

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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

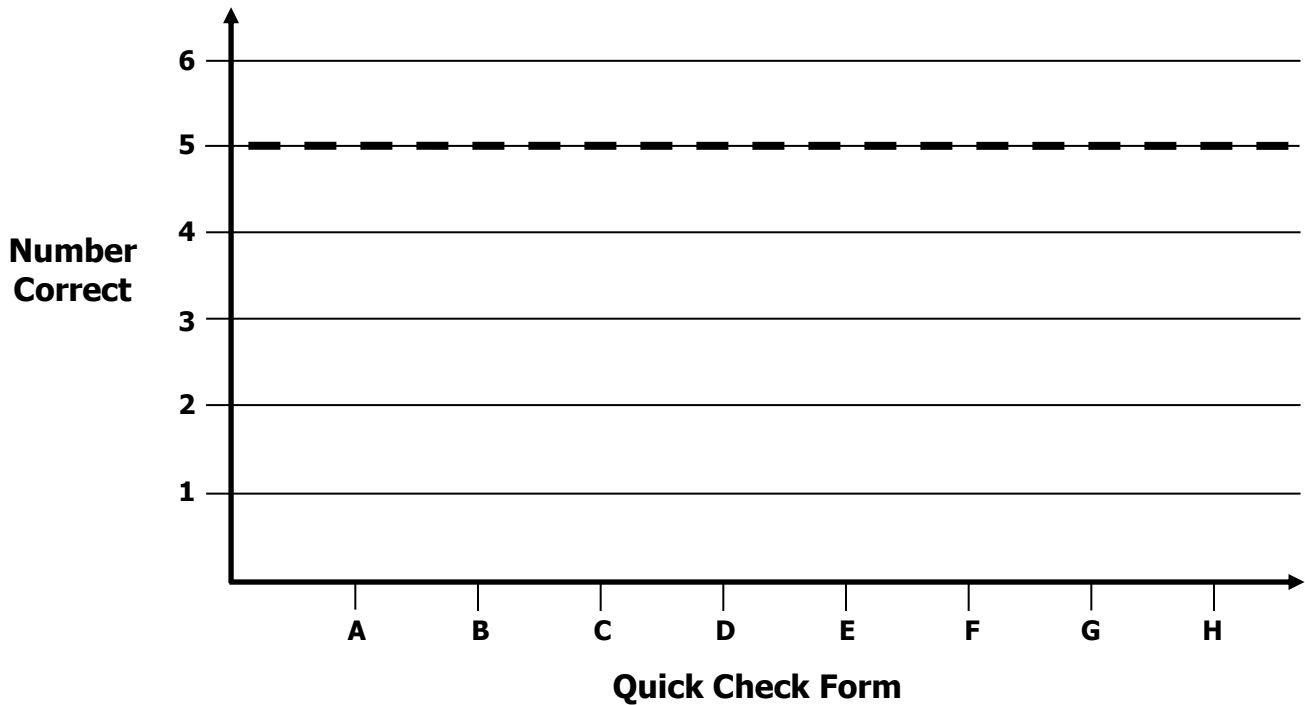|	
1. $x + 6 = 12$	**2.** $x + 3\frac{1}{2} = 9$
3. $4x = 20$	**4.** $\frac{1}{4}x = 6$
5. $x + 2\frac{3}{4} = 7$	**6.** $\frac{2}{3}x = 8$

Growth Chart

7th Grade – Readiness Standard 6 – 6.EE.7

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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:		

Session 2: Guided Practice (We Do)

Materials:

➢ Algebra Tiles (20 +1's and 10 +x's per student)

➢ 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. $x + 4 = 6$	**2.** $3x = 12$
3. $4x = 8$	**4.** $x + 3 = 11$

Session 2: 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.

5. $x + 5 = 8$	**6.** $2x = 10$
7. $x + 6 = 10$	**8.** $4x = 12$
9. $3x = 15$	**10.** $x + 4 = 12$

Quick Check - Form B

7th Grade – Readiness Standard 6 – 6.EE.7

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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

1. $x + 4 = 16$	**2.** $x + 2\frac{1}{3} = 4$
3. $3x = 15$	**4.** $\frac{1}{4}x = 2$
5. $x + 3\frac{2}{5} = 8$	**6.** $\frac{3}{4}x = 9$

Learning Target: I will solve 1-step equations

Session 3: Guided Practice (We Do)

We Do Together: (Teacher Actions)

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

1. $x + 3 = 12$ 	**2.** $3x = 18$
3. $12 = 4x$ 	**4.** $13 = 5 + x$

Learning Target: I will solve 1-step equations

7th Grade - RS 6 - 6.EE.7

Session 3: 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 using math drawings.

5. $x + 5 = 8$	**6.** $2x = 10$
7. $10 = x + 6$	**8.** $12 = 4x$
9. $3x = 15$	**10.** $x + 4 = 12$

Quick Check - Form C

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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

1. $x + 5 = 6$	**2.** $x + 2\frac{1}{4} = 9$
3. $6x = 30$	**4.** $\frac{1}{6}x = 3$
5. $x + 4\frac{2}{3} = 7$	**6.** $\frac{2}{5}x = 8$

Learning Target: I will solve 1-step equations

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.

1. *"1 third of what number is equal to 7?"*

$$\frac{1}{3}x \;=\; 7$$

+*x*-tile

2.

$$\frac{1}{4}x \;=\; 2$$

+*x*-tile

3.

$$8 \;=\; \frac{2}{5}x$$

+*x*-tile

4.

$$\frac{3}{4}x \;=\; 15$$

+*x*-tile

Session 4: 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.

5. *"1 fourth of what number is equal to 7?"* $\frac{1}{4}x = 7$ +x-tile	**6.** $\frac{2}{3}x = 6$ +x-tile
7. $6 = 3x$	**8.** $\frac{1}{3}x = 6$ +x-tile
9. $12 = \frac{3}{5}x$ +x-tile	**10.** $4x = 12$

Quick Check - Form D

7th Grade – Readiness Standard 6 – 6.EE.7

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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

1. $x + 9 = 11$	**2.** $x + 4\dfrac{1}{3} = 6$
3. $2x = 14$	**4.** $\dfrac{1}{3}x = 8$
5. $x + 1\dfrac{3}{5} = 9$	**6.** $\dfrac{2}{3}x = 10$

Learning Target: I will solve 1-step equations

Session 5: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Translate the equation into a phrase with meaning. Then, find the value of x using the "inverse operations" solution method.

1. $$2x = 10$$	2. $$x + 7 = 10$$
3. $$\frac{2}{5}x = 20$$	4. $$x + 3\frac{1}{4} = 9$$
5. $$9 = x + 4$$	6. $$9 = \frac{3}{4}x$$

Learning Target: I will solve 1-step equations

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.

7. $4x = 12$	**8.** $x + 4 = 12$
9. $\frac{1}{2}x = 12$	**10.** $x + 3\frac{1}{3} = 10$
11. $10 = x + 3\frac{2}{5}$	**12.** $15 = \frac{3}{4}x$

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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

1. $x + 6 = 12$	**2.** $x + 3\frac{1}{2} = 9$
3. $4x = 20$	**4.** $\frac{1}{4}x = 6$
5. $x + 2\frac{3}{4} = 7$	**6.** $\frac{2}{3}x = 8$

Session 6: Guided Practice (We Do)

We Do Together: (Teacher Actions)

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

1. $x + 4 = 11$	**2.** $4x = 20$
3. $12 = 3x$	**4.** $14 = 6 + x$

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 using math drawings.

5. $x + 3 = 9$	**6.** $5x = 10$
7. $15 = x + 7$	**8.** $21 = 3x$
9. $2x = 14$	**10.** $x + 5 = 17$

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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

1. $x + 4 = 16$	**2.** $x + 2\frac{1}{3} = 4$
3. $3x = 15$	**4.** $\frac{1}{4}x = 2$
5. $x + 3\frac{2}{5} = 8$	**6.** $\frac{3}{4}x = 9$

Learning Target: I will solve 1-step equations

Session 7: 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.

1. *"1 third of what number is equal to 7?"* $\frac{1}{3}x = 8$ *+x-tile*	**2.** $\frac{1}{4}x = 3$ *+x-tile*
3. $7 = \frac{2}{5}x$ *+x-tile*	**4.** $\frac{3}{4}x = 18$ *+x-tile*

Learning Target: I will solve 1-step equations   7th Grade - RS 6 - 6.EE.7

Session 7: 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.

5. *"1 fourth of what number is equal to 7?"* $\frac{1}{4}x = 9$ +x-tile	**6.** $\frac{2}{3}x = 7$ +x-tile
7. $12 = 3x$ +x +x +x	**8.** $\frac{1}{3}x = 8$ +x-tile
9. $6 = \frac{3}{5}x$ +x-tile	**10.** $4x = 20$ +x +x +x +x

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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

1. $x + 5 = 6$	**2.** $x + 2\dfrac{1}{4} = 9$
3. $6x = 30$	**4.** $\dfrac{1}{6}x = 3$
5. $x + 4\dfrac{2}{3} = 7$	**6.** $\dfrac{2}{5}x = 8$

Session 8: Guided Practice (We Do)

We Do Together: (Teacher Actions)

➢ Translate the equation into a phrase with meaning. Then, find the value of x using the "inverse operations" solution method.

1. $2x = 18$ 	**2.** $x + 7 = 12$
3. $\frac{2}{5}x = 10$ 	**4.** $x + 2\frac{1}{4} = 6$
5. $13 = x + 4$ 	**6.** $18 = \frac{3}{4}x$

Session 8: 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.

7. $4x = 24$	**8.** $x + 5 = 12$
9. $\frac{1}{2}x = 15$	**10.** $x + 3\frac{1}{3} = 9$
11. $8 = x + 3\frac{2}{5}$	**12.** $24 = \frac{3}{4}x$

Quick Check - Form H

Name_____ Date_____

Learning Target: I will solve 1-step equations.

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

1. $x + 9 = 11$	**2.** $x + 4\frac{1}{3} = 6$
3. $2x = 14$	**4.** $\frac{1}{3}x = 8$
5. $x + 1\frac{3}{5} = 9$	**6.** $\frac{2}{3}x = 10$