Visual Guided Practice

DELTA MATH — RtI Program

Name: _____

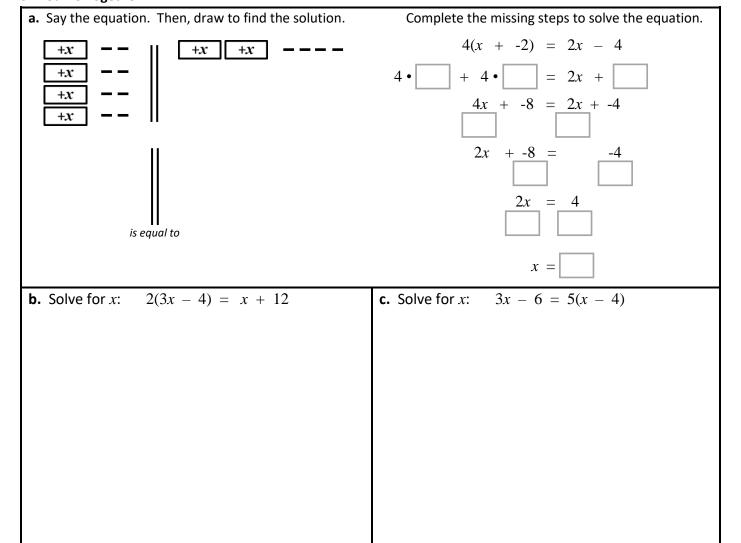**Learning Target:** I will solve multi-step linear equations.   **Form A**

1. We Do Together

Say the equation. Then, draw to find the solution.

is equal to

Complete the missing steps to solve the equation.

$$2x \;+\; 1 \;=\; 5x \;-\; 8$$

$$2x \;+\; 1 \;=\; 5x \;+\; \boxed{}$$
$$\boxed{} \qquad \boxed{}$$

$$1 \;=\; 3x \;+\; \text{-}8$$
$$\boxed{} \qquad \boxed{}$$

$$9 \;=\; 3x$$
$$\boxed{} \quad \boxed{}$$

$$\boxed{} \;=\; x$$

2. Reflect: What questions do you have about solving equations with more than one step?

3. You Do Together

a. Say the equation. Then, draw to find the solution.

is equal to

Complete the missing steps to solve the equation.

$$4(x \;+\; \text{-}2) \;=\; 2x \;-\; 4$$

$$4 \cdot \boxed{} \;+\; 4 \cdot \boxed{} \;=\; 2x \;+\; \boxed{}$$

$$4x \;+\; \text{-}8 \;=\; 2x \;+\; \text{-}4$$
$$\boxed{} \qquad \boxed{}$$

$$2x \;+\; \text{-}8 \;=\; \qquad \text{-}4$$
$$\boxed{} \qquad \boxed{}$$

$$2x \;=\; 4$$
$$\boxed{} \quad \boxed{}$$

$$x \;=\; \boxed{}$$

b. Solve for x: $2(3x - 4) \;=\; x \;+\; 12$

c. Solve for x: $3x \;-\; 6 \;=\; 5(x \;-\; 4)$

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

1. We Do Together

Say the equation. Then, draw to find the solution.

Complete the missing steps to solve the equation.

| +x |
| +x | **+ +**
| +x |

+x	+x
+x	+x
	+x

- - - - -
–

is equal to

$$3x \ + \ 2 \ = \ 5x \ - \ 6$$

$$3x \ + \ 2 \ = \ 5x \ + \ \boxed{}$$
$$\boxed{}$$

$$2 \ = \ 2x \ + \ \text{-}6$$
$$\boxed{} \qquad\qquad \boxed{}$$

$$8 \ = \ 2x$$
$$\boxed{} \quad \boxed{}$$

$$\boxed{} \ = \ x$$

2. Reflect: What questions do you have about solving equations with more than one step?

3. You Do Together

a. Say the equation. Then, draw to find the solution.

Complete the missing steps to solve the equation.

+x	**+ +**
+x	**+ +**
+x	**+ +**

+x	+x
+x	+x
	+x

- - - - -
–

is equal to

$$3(x \ + \ 2) \ = \ 5x \ - \ 6$$

$$3 \cdot \boxed{} \ + \ 3 \cdot \boxed{} \ = \ 5x \ + \ \boxed{}$$

$$3x \ + \ 6 \ = \ 5x \ + \ \text{-}6$$
$$\boxed{} \qquad\qquad \boxed{}$$

$$6 \ = \ 2x \ + \ \text{-}6$$
$$\boxed{} \qquad\qquad \boxed{}$$

$$12 \ = \ 2x$$
$$\boxed{} \quad \boxed{}$$

$$\boxed{} \ = \ x$$

b. Solve for x: $2(7x \ + \ 1) \ = \ 3(x \ + \ 8)$

c. Solve for x: $2x \ - \ 4 \ = \ 6(x \ - \ 4)$

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

1. We Do Together

Say the equation. Then, draw to find the solution.

| +x |
| +x |
| +x |

+ + + + +
+

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+x	+x
+x	+x
	+x

– – – –

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is equal to

Complete the missing steps to solve the equation.

$$3x \;+\; 6 \;=\; 5x \;-\; 4$$

$$3x \;+\; 6 \;=\; 5x \;+\; \boxed{}$$
$$\boxed{} \qquad\qquad \boxed{}$$

$$6 \;=\; 2x \;+\; \text{-}4$$
$$\boxed{} \qquad\qquad \boxed{}$$

$$10 \;=\; 2x$$
$$\boxed{} \quad \boxed{}$$

$$\boxed{} \;=\; x$$

2. Reflect: What questions do you have about solving equations with more than one step?

3. You Do Together

a. Say the equation. Then, draw to find the solution.

| +x | **– –**
| +x | **– –**
| +x | **– –**
| +x | **– –**

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| +x | +x | **– – – – –**
                –

‖

‖

is equal to

Complete the missing steps to solve the equation.

$$4(x \;+\; \text{-}2) \;=\; 2x \;-\; 6$$

$$4 \cdot \boxed{} \;+\; 4 \cdot \boxed{} \;=\; 2x \;+\; \boxed{}$$

$$4x \;+\; \text{-}8 \;=\; 2x \;+\; \text{-}6$$
$$\boxed{} \qquad\qquad \boxed{}$$

$$2x \;+\; \text{-}8 \;=\; \qquad \text{-}6$$
$$\boxed{} \qquad\qquad \boxed{}$$

$$2x \;=\; 2$$
$$\boxed{} \quad \boxed{}$$

$$x \;=\; \boxed{}$$

b. Solve for x: $5(2x - 4) = 3x + 15$

c. Solve for x: $3x - 6 = 6(x - 3)$