

Date: _____

Topic: Intervention - Solving Linear Equations

Criterion A

Learning Targets

By the end of this lesson, I can ...

Solve linear Equations.

Vocabulary:

Equations, Inverse operation.

Pre-learning Activity:

Simplify the following expressions:

$$2x + 3x + 4$$

$$2s - (3z + 4s) - 1$$

Key Concept/s:

Solving Equations

$$5x + 6 = 2x + 9$$
$$5x - 2x = 9 - 6$$
$$3x = 3$$
$$\frac{3}{3} = \frac{3}{3}$$
$$x = 1$$

Paired work:

1.) Solve the following equation:

$$3x + 5 - 2x = 6x - 10$$

2.) You are working a part-time job that pays you AED12 per hour. You also receive a weekly stipend of AED50 from your parents. If you earned a total of AED290 last week, how many hours did you work?

Equation:

$$50 + 12x = 290$$

Express – Independent Practice

<p>Real Life Application <u>Solve the following problem and check your answer:</u></p> <p>You are baking cookies for a bake sale. Each batch of cookies requires 3 cups of flour. You have a total of 24 cups of flour. How many batches of cookies can you bake?</p> <p>Equation: $3x = 24$</p>	<p>Gifted & Talented</p> <p>Solve the following equations and check your answers:</p> <p>a.) $5(x - 3) = 45$</p> <p>b.) $6x + 11 = -(6x + 5)$</p>
<p>On Average</p> <p>Solve the following equations:</p> <p>a.) $x + 5 = -2$</p> <p>b.) $3x = 24$</p>	<p>Challenge</p> <p>Solve the following equations and check your answers:</p> <p>a.) $3x = 15$ b.) $-3x - 21 = 9$</p>

Exit Ticket:

REFLECT
What did you learn in the lesson?
What are you still struggling with?