

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

Real Life Application <u>Solve the following problem and check your answer:</u> 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? Equation: $3x = 24$	Gifted & Talented Solve the following equations and check your answers: a.) $5(x - 3) = 45$ b.) $6x + 11 = -(6x + 5)$
On Average Solve the following equations: a.) $x + 5 = -2$ b.) $3x = 24$	Challenge Solve the following equations and check your answers: a.) $3x = 15$ b.) $-3x - 21 = 9$

Exit Ticket:

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