LESSON WORKSHEET · GRADE 6 · 6.AF.1-6.AF.4 · 6.NS.7

Expressions & One-Step Equations

Fill in each part when its number appears on the slide.

Name: _____ **Date:** _____

PART 1 · TARGET

I can write and evaluate expressions and solve one-step equations using inverse operations.

PART 2 · WARM-UP

1. Evaluate: 3 + 4 × 2.

_____

2. A number plus 7 equals 15. What is the number? How did you figure it out?

_____

3. Write a word phrase for n + 5.

_____

PART 3 · PREDICTION

I multiplied a number by 4 and got 36. What was my number?

Circle one: [ ] 8 [ ] 9 [ ] 32

PART 4 · VOCABULARY

Word	Meaning
Variable	
Expression	
Equation	
Coefficient	

PART 5 · WORDS TO EXPRESSIONS

"_____" is written n - 3, not 3 - n.

Check: Which expression means "4 less than a number"?

Circle one: (A) n + 4 (B) n - 4 (C) 4 - n (D) 4n

PART 6 · EVALUATE

To _____, substitute the value and follow the _____.

Check: Evaluate 4(x - 2) when x = 7.

Answer: _____

PART 7 · EQUIVALENT EXPRESSIONS

Combine _____. The _____ property: $3(x + 2) = 3x + 6$.

Check: Which is equivalent to $2(x + 5)$?

Circle one: (A) $7x$ (B) $2x + 10$ (C) $2x + 5$ (D) $x + 10$

PART 8 · SOLVE WITH BALANCE

Use _____ and do the same to _____.

Check: Solve: $x + 4 = 10$

Answer: _____

PART 9 · WORKED EXAMPLE

Final answer from the example: _____

PART 10 · WE DO

Solve and check: $5x = 45$.

Answer: _____

PART 11 · YOU DO

Solve: $y \div 6 = 7$

Answer: _____

PART 12 · WORK TIME: THE ALGEBRA VAULT

Write each code piece as you earn it: Lock 1: ____ Lock 2: ____ Lock 3: ____ Lock 4: ____ Lock 5: ____

Final code: _____

PART 13 · WRAP-UP

Was your prediction in Part 3 right? One thing I learned today:

_____

_____