

# 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:  $3 + 4 \times 2$ .

\_\_\_\_\_

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

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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

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Use \_\_\_\_\_ and do the same to \_\_\_\_\_.

Check: Solve:  $x + 4 = 10$

Answer: \_\_\_\_\_

## PART 9 • WORKED EXAMPLE

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Final answer from the example: \_\_\_\_\_

## PART 10 • WE DO

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Solve and check:  $5x = 45$ .

Answer: \_\_\_\_\_

## PART 11 • YOU DO

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Solve:  $y \div 6 = 7$

Answer: \_\_\_\_\_

## PART 12 • WORK TIME: THE BALANCE SCALE QUEST

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Write each code piece as you earn it: Level 1: \_\_\_\_ Level 2: \_\_\_\_ Level 3: \_\_\_\_ Level 4: \_\_\_\_ Level 5:

\_\_\_\_\_

Final code: \_\_\_\_\_

## PART 13 • WRAP-UP

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

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