Name_____ Date_____ Period_____

LESSON 8-1 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Evaluate Algebraic Expressions

Builds on Lesson 6-5 Session 2 · 6.EE.A.2c

TODAY'S LESSON	To check $c = 60$ in $c - 24 = 36$, you first evaluate $c - 24$ when $c = 60$.
YOU NEED TO	Put a number in for the letter and evaluate, like $c - 24$ when $c = 60$. **You will use it in Practice Form A, problems 1 and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Replace** the letter with its number.
2. Find the **operation**. A number next to a letter means ×.
3. **Evaluate**.

WATCH ME

the steps in action

Evaluate $4k$ when $k = 9$.

Step 1 4(9).

Step 2 A number next to a letter means ×: 4 × 9.

Step 3 4 × 9 = 36.

Answer **36**

TRY IT WITH HELP

fill in each step

1. Evaluate $c - 24$ when $c = 60$.

Step 1 _____ − 24

Step 2 The operation is _____.

Step 3 60 − 24 = _____

2. Evaluate $7r$ when $r = 5$.

Step 1 7(_____)

Step 2 The operation is _____.

Step 3 7 × 5 = _____

YOUR TURN

use the steps on your own

3. Evaluate.

a. $s - 15$, $s = 40$ _____ **b.** $p + 18$, $p = 29$ _____ **c.** $4k$, $k = 8$ _____

d. $n \div 3$, $n = 27$ _____ **e.** $m + 23$, $m = 18$ _____ **f.** $5g$, $g = 9$ _____

Test Whether Both Sides Match

Builds on Lesson 6-6 Session 2 · 6.EE.A.4

TODAY'S LESSON	You will test $j = 21$ in $j + 12 = 33$. Both sides must have the same value.
YOU NEED TO	Decide if both sides of an equation match, like 21 + 12 and 33. **You will use it in Practice Form A, problems 2 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the value of the **left** side.
2. Find the value of the **right** side.
3. **Compare**. Same value means true.

WATCH ME

the steps in action

Is 21 + 12 = 33 true?

Step 1 Left: 21 + 12 = 33.

Step 2 Right: 33.

Step 3 33 and 33 match. True.

Answer **True**

TRY IT WITH HELP

fill in each step

4. Is 4 × 7 = 28 true?

Step 1 Left: 4 × 7 = _____

Step 2 Right: _____

Step 3 Do they match? _____ True or false? _____

5. Is 19 + 12 = 33 true?

Step 1 Left: 19 + 12 = _____

Step 2 Right: _____

Step 3 Do they match? _____ True or false? _____

YOUR TURN

use the steps on your own

6. Write **T** for true or **F** for false.

a. 40 − 15 = 25 _____ **b.** 7 × 5 = 42 _____ **c.** 29 + 18 = 47 _____

d. 4 × 32 = 36 _____ **e.** 45 ÷ 5 = 8 _____ **f.** 60 − 24 = 36 _____

READY CHECK

a problem like the one in today's lesson

7. Is $t = 6$ a solution of $5t = 35$?

A Yes: 5 × 6 = 35 **B** No: 5 × 6 = 30 **C** Yes: 5 + 6 = 11 **D** No: 35 − 5 = 30

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____