Name_____ Date_____ Period_____

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

Check a Solution by Substituting

Builds on Lesson 8-1 Session 1 · 6.EE.B.5

TODAY'S LESSON	After you solve $d + 16 = 73$, you check $d = 57$.
YOU NEED TO	Put a value into an equation and check it, like $d = 57$ in $d + 16 = 73$. **You will use it in Practice Form A, problems 5 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Replace** the letter with the value.
2. **Evaluate** the side with the letter.
3. **Compare** to the other side. Equal means it is the solution.

WATCH ME

the steps in action

Check $d = 57$ in $d + 16 = 73$.

Step 1 57 + 16.

Step 2 57 + 16 = 73.

Step 3 73 = 73. Yes, it is the solution.

Answer **Yes**

TRY IT WITH HELP

fill in each step

1. Check $f = 48$ in $f + 14 = 62$.

Step 1 _____ + 14

Step 2 48 + 14 = _____

Step 3 Is 62 equal to 62? _____

2. Check $s = 72$ in $s + 46 = 128$.

Step 1 _____ + 46

Step 2 72 + 46 = _____

Step 3 Is 118 equal to 128? _____

YOUR TURN

use the steps on your own

3. Is the value a solution? Write yes or no.

a. $n + 23 = 60$, $n = 37$ _____

b. $x + 17 = 45$, $x = 32$ _____

c. $m + 15 = 33$, $m = 18$ _____

d. $14 + p = 39$, $p = 25$ _____

Write Equations for Situations

Builds on Lesson 8-1 Session 2 · 6.EE.B.6

TODAY'S LESSON	"Devin had *d* dollars, added $16, then held $73" becomes *d* + 16 = 73.
YOU NEED TO	Write an equation for a story: start + amount added = total. **You will use it in Practice Form A, problems 2 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Use a **letter** for the unknown start.
2. **Add** the amount that was added.
3. Set it **equal** to the total.

WATCH ME

the steps in action

A tank held *f* fish. 14 were added. Then it held 62.

Step 1 The start is *f*.

Step 2 *f* + 14.

Step 3 *f* + 14 = 62.

Answer ***f* + 14 = 62**

TRY IT WITH HELP

fill in each step

4. A bus had *r* riders. 19 got on. Now there are 56.

Step 1 The start is _____.

Step 2 _____ + 19

Step 3 Equation: _____

5. Malia read *p* pages. She read 38 more, 91 in all.

Step 1 The start is _____.

Step 2 _____ + 38

Step 3 Equation: _____

YOUR TURN

use the steps on your own

6. Write an equation.

a. *s* stamps, got 25 more, now 80 _____

b. *h* hats, bought 6, now 20 _____

c. *c* coins, found 12, now 50 _____

d. *m* miles, ran 3 more, 10 in all _____

READY CHECK

a problem like the one in today's lesson

7. Sam saved *s* dollars, then earned $30. Now he has $95. Which equation fits?

A *s* + 30 = 95 **B** *s* − 30 = 95 **C** 30 + 95 = *s* **D** *s* = 30 − 95

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