Name_____ Date_____ Period_____

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

Solve Addition Equations

Builds on Lesson 8-2 Session 1 · 6.EE.B.7

TODAY'S LESSON	Subtraction equations like $n - 35 = 12$ use the same steps with the opposite operation.
YOU NEED TO	Solve an addition equation by subtracting, like $x + 17 = 45$. **You will use it in Practice Form A, problems 1 and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the number **added** to the letter.
2. **Subtract** it from both sides.
3. **Check** by substituting.

WATCH ME

the steps in action

Solve $x + 17 = 45$.

Step 1 17 is added to x.

Step 2 $x = 45 - 17 = 28$.

Step 3 $28 + 17 = 45$. It checks.

Answer $x = 28$

TRY IT WITH HELP

fill in each step

1. Solve $r + 19 = 56$.

Step 1 _____ is added to r.

Step 2 $r = 56 - 19 =$ _____

Step 3 $37 + 19 =$ _____. It checks.

2. Solve $y + 8.5 = 21$.

Step 1 _____ is added to y.

Step 2 $y = 21 - 8.5 =$ _____

Step 3 $12.5 + 8.5 =$ _____. It checks.

YOUR TURN

use the steps on your own

3. Solve.

a. $n + 23 = 60$ _____

b. $m + 15 = 33$ _____

c. $14 + p = 39$ _____

d. $w + 2.5 = 9$ _____

e. $f + 14 = 62$ _____

f. $d + 16 = 73$ _____

Write Take-Away Equations

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

TODAY'S LESSON	A shelf held b books. 38 were checked out and 54 remained: $b - 38 = 54$.
YOU NEED TO	Write start − amount taken away = amount left. **You will use it in Practice Form A, problems 3 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Use a **letter** for the start amount.
2. **Subtract** the amount taken away.
3. Set it **equal** to the amount left.

WATCH ME

the steps in action

A jar had j cookies. 12 were eaten. 30 are left.

Step 1 The start is j.

Step 2 $j - 12$.

Step 3 $j - 12 = 30$.

Answer $j - 12 = 30$

TRY IT WITH HELP

fill in each step

4. A phone had g GB. 12 GB were deleted. 29 GB are left.

Step 1 The start is _____.

Step 2 _____ − 12

Step 3 Equation: _____

5. A roll had t tickets. 45 were torn off. 80 are left.

Step 1 The start is _____.

Step 2 _____ − 45

Step 3 Equation: _____

YOUR TURN

use the steps on your own

6. Write an equation.

a. p pens, 7 lost, 18 left _____

b. c cards, 20 given away, 35 left _____

c. m dollars, $15 spent, $40 left _____

d. b balloons, 9 popped, 21 left _____

READY CHECK

a problem like the one in today's lesson

7. A market had a pounds of apples. 60 pounds sold. 25 are left. Which fits?

A $a + 60 = 25$ **B** $a - 60 = 25$ **C** $60 - a = 25$ **D** $25 - 60 = a$

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