Name_____ Date_____ Period_____

LESSON 8-3 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Write Multiplication Equations

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

TODAY'S LESSON	24 cars at the same price bring in $336. That is $24p = 336$.
YOU NEED TO	Write groups × one group = total for an equal-groups story. **You will use it in Practice Form A, problems 3, 6 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Use a **letter** for one group.
2. Find the **number** of groups and the total.
3. **Write** groups × letter = total.

WATCH ME

the steps in action

9 boxes hold the same number of pens. They hold 108 pens in all.

Step 1 Let p = the pens in one box.

Step 2 9 boxes. 108 pens in all.

Step 3 $9p = 108$.

Answer $9p = 108$

TRY IT WITH HELP

fill in each step

1. 6 shelves hold the same number of books, 90 books in all. Use b.

Step 1 Let _____ = the books on one shelf.

Step 2 _____ shelves. 90 books in all.

Step 3 Equation: _____

2. 5 teams have the same number of players, 40 players in all. Use t.

Step 1 Let _____ = the players on one team.

Step 2 5 teams. _____ players in all.

Step 3 Equation: _____

YOUR TURN

use the steps on your own

3. Write an equation. Use the letter given.

a. 8 bags, c cookies each, 96 cookies _____

b. 12 rows, s seats each, 144 seats _____

c. 4 tickets, t dollars each, $60 _____

d. 9 vans, k kids each, 63 kids _____

Solve Addition and Subtraction Equations

Builds on Lesson 8-2 · 6.EE.B.7

TODAY'S LESSON	To solve $5p = 175$, you undo what was done to p on both sides, as in Lesson 8-2.
YOU NEED TO	Undo adding or subtracting on both sides, like $n - 26 = 48$. **You will use it in Practice Form A, problems 2 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Name** the operation done to the letter.
2. Do the **opposite** to both sides.
3. **Check** your answer in the first equation.

WATCH ME

the steps in action

Solve $n - 26 = 48$.

Step 1 26 is subtracted from n.

Step 2 Add 26 to both sides: $n = 48 + 26 = 74$.

Step 3 $74 - 26 = 48$. It checks.

Answer $n = 74$

TRY IT WITH HELP

fill in each step

4. Solve $x + 14 = 52$.

Step 1 14 is _____ to x.

Step 2 Subtract 14 from both sides: $x = 52 - 14 =$ _____.

Step 3 $38 + 14 =$ _____. It checks.

5. Solve $k - 19 = 33$.

Step 1 19 is _____ from k.

Step 2 Add 19 to both sides: $k = 33 + 19 =$ _____.

Step 3 _____ $- 19 = 33$. It checks.

YOUR TURN

use the steps on your own

6. Solve each equation.

a. $a + 23 = 50$ _____ **b.** $n - 9 = 31$ _____ **c.** $17 + k = 40$ _____

d. $y - 45 = 45$ _____ **e.** $p - 12 = 30$ _____ **f.** $m + 36 = 81$ _____

READY CHECK

a problem like the one in today's lesson

7. To solve $6x = 54$, what do you do to both sides?

A Subtract 6 **B** Add 6 **C** Divide by 6 **D** Multiply by 6

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