Name_____ Date_____ Period_____

LESSON 9-4 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Solve Multiplication Equations

Builds on Lesson 8-3 Session 1 · 6.EE.B.7

TODAY'S LESSON	You will solve $7t = 350$ to find the tickets needed.
YOU NEED TO	Solve an equation like $9m = 108$ by dividing both sides. **You will use it in Practice Form A, problems 1, 3, and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **number** multiplied by the letter.
2. **Divide** both sides by that number.
3. **Check**: multiply your answer by the number.

WATCH ME

the steps in action

$6k = 90$

Step 1 The number is 6.

Step 2 $90 \div 6 = 15$, so $k = 15$.

Step 3 Check: $6 \times 15 = 90$.

Answer $k = 15$

TRY IT WITH HELP

fill in each step

1. $7n = 63$

Step 1 The number is _____.

Step 2 $63 \div 7 =$ _____, so $n = 9$.

Step 3 Check: $7 \times 9 =$ _____

2. $12x = 144$

Step 1 The number is _____.

Step 2 $144 \div 12 =$ _____, so $x = 12$.

Step 3 Check: $12 \times 12 =$ _____

YOUR TURN

use the steps on your own

3. Solve each equation.

a. $5w = 125$ _____

b. $11y = 132$ _____

c. $20t = 340$ _____

d. $8b = 200$ _____

e. $14x = 266$ _____

f. $25n = 575$ _____

Solve Addition Equations

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

TODAY'S LESSON	You will take the $90 the class has from the $600 goal: 600 − 90.
YOU NEED TO	Solve an equation like 90 + x = 600 by subtracting. **You will use it in Practice Form A, problems 1 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **number** added to the letter.
2. **Subtract** that number from both sides.
3. **Check**: add your answer and the number.

WATCH ME

the steps in action

x + 15 = 42

Step 1 The number is 15.

Step 2 42 − 15 = 27, so x = 27.

Step 3 Check: 27 + 15 = 42.

Answer x **= 27**

TRY IT WITH HELP

fill in each step

4. n + 30 = 95

Step 1 The number is _____.

Step 2 95 − 30 = _____, so n = 65.

Step 3 Check: 65 + 30 = _____

5. k + 60 = 210

Step 1 The number is _____.

Step 2 210 − 60 = _____, so k = 150.

Step 3 Check: 150 + 60 = _____

YOUR TURN

use the steps on your own

6. Solve each equation.

a. y + 45 = 300 _____ **b.** m + 18 = 100 _____ **c.** t + 75 = 400 _____

d. w + 120 = 500 _____ **e.** b + 36 = 91 _____ **f.** 80 + x = 500 _____

READY CHECK

a problem like the one in today's lesson

7. A class has $90 and needs $600. Which equation finds the money x still needed?

A x − 90 = 600 **B** 90 + x = 600 **C** 90x = 600 **D** x = 600 + 90

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