Name_____ Date_____ Period_____

LESSON 9-3 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Find Unit Rates in Tables

Builds on Lesson 3-2 Session 1 · 6.RP.A.2

TODAY'S LESSON	You will write $y = 7x$ from a table where 3 tickets cost $21.
YOU NEED TO	Divide y by x to find the amount for one, like $21 \div 3 = 7$. **You will use it in Practice Form A, problems 2, 5, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Pick one **column** of the table.
2. **Divide**: $y \div x$.
3. That is the **unit rate**, the number in front of x.

WATCH ME

the steps in action

A table has $x = 4$ and $y = 32$. Find the unit rate.

Step 1 Column: $x = 4$, $y = 32$.

Step 2 $32 \div 4 = 8$

Step 3 Unit rate: 8. The rule is $y = 8x$.

Answer **8**

TRY IT WITH HELP

fill in each step

1. A table has $x = 3$ and $y = 27$. Find the unit rate.

Step 1 Column: $x = 3$, $y =$ _____.

Step 2 $27 \div 3 =$ _____

Step 3 The rule is $y =$ _____x.

2. A table has $x = 5$ and $y = 60$. Find the unit rate.

Step 1 Column: $x =$ _____, $y = 60$.

Step 2 $60 \div 5 =$ _____

Step 3 The rule is $y =$ _____x.

YOUR TURN

use the steps on your own

3. Find the unit rate. Divide y by x.

a. $x = 6$, $y = 42$: _____

b. $x = 8$, $y = 120$: _____

c. $x = 10$, $y = 250$: _____

d. $x = 7$, $y = 84$: _____

e. $x = 9$, $y = 63$: _____

f. $x = 4$, $y = 100$: _____

Test Solutions of Equations

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

TODAY'S LESSON	You will show that $y = x + 24$ does not fit the row $x = 5$, $y = 45$.
YOU NEED TO	Put numbers into an equation and check if both sides match. **You will use it in Practice Form A, problem 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Replace** the letter with the value.
2. **Compute** that side.
3. **Compare** both sides. The same number means yes, a solution.

WATCH ME

the steps in action

Is (2, 12) a solution of $y = 6x$?

Step 1 Replace x with 2: 6×2.

Step 2 Compute: $6 \times 2 = 12$.

Step 3 Compare: $12 = 12$. Yes.

Answer **Yes, (2, 12) fits.**

TRY IT WITH HELP

fill in each step

4. Is (5, 35) a solution of $y = 6x$?

Step 1 Replace x with 5: $6 \times$ _____.

Step 2 Compute: $6 \times 5 =$ _____.

Step 3 Compare: _____ and 35. Solution? _____

5. Is $n = 6$ a solution of $n + 9 = 15$?

Step 1 Replace n with 6: _____ + 9.

Step 2 Compute: $6 + 9 =$ _____.

Step 3 Compare: _____ and 15. Solution? _____

YOUR TURN

use the steps on your own

6. Is each pair a solution of $y = 6x$? Write yes or no.

a. (7, 42): _____ **b.** (4, 26): _____ **c.** (0, 0): _____

d. (10, 60): _____ **e.** (3, 18): _____ **f.** (9, 56): _____

READY CHECK

a problem like the one in today's lesson

7. A table has $x = 5$ and $y = 45$. Which rule fits?

A $y = 5x$ **B** $y = 9x$ **C** $y = x + 9$ **D** $y = 45x$

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