Name_____ Date_____ Period_____

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

Find and Use a Unit Rate

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

TODAY'S LESSON	You will find miles each hour from (1, 2) and (3, 6), then miles after 8 hours.
YOU NEED TO	Find the amount for one, then multiply, like $24 for 3 bags is $8 a bag. **You will use it in Practice Form A, problems 3, 5, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Divide** the total by the number of units.
2. That is the **unit rate**: the amount for one.
3. **Multiply** the unit rate by the new number of units.

WATCH ME

the steps in action

$24 for 3 bags. Find the cost of 8 bags.

Step 1 24 ÷ 3 = 8

Step 2 Unit rate: $8 per bag.

Step 3 8 × 8 = 64

Answer **$64**

TRY IT WITH HELP

fill in each step

1. 84 miles in 4 hours. Find the miles in 6 hours.

Step 1 84 ÷ 4 = _____

Step 2 Unit rate: _____ miles per hour.

Step 3 21 × 6 = _____ miles

2. $35 for 5 tickets. Find the cost of 9 tickets.

Step 1 35 ÷ 5 = _____

Step 2 Unit rate: $_____ per ticket.

Step 3 7 × 9 = $_____

YOUR TURN

use the steps on your own

3. Find the unit rate. Then answer.

a. $48 for 4 pizzas. Cost of 10 pizzas: _____

b. 90 pages in 6 days. Pages in 10 days: _____

c. 56 beads on 7 bracelets. Beads on 5 bracelets: _____

d. $30 for 5 hours. Pay for 8 hours: _____

Graph Values from a Table

Builds on Lesson 9-2 Session 1 · 6.EE.C.9

TODAY'S LESSON	You will write the pair for 10 hours on a water-tank graph.
YOU NEED TO	Turn a table row into a point (x, y), like (4, 36). **You will use it in Practice Form A, problems 4 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. The **independent** amount is x, the first number.
2. The **dependent** amount is y, the second number.
3. Write the **pair** (x, y). Plot it: across, then up.

WATCH ME

the steps in action

Tickets cost $9 each. Write the pair for 4 tickets.

Step 1 $x = 4$ tickets

Step 2 $y = 9 \times 4 = 36$ dollars

Step 3 (4, 36): across 4, up to 36

Answer (4, 36)

TRY IT WITH HELP

fill in each step

4. Tickets cost $9 each. Write the pair for 7 tickets.

Step 1 $x =$ _____ tickets

Step 2 $y = 9 \times 7 =$ _____ dollars

Step 3 The pair is _____.

5. A tank fills 30 gallons each hour. Write the pair for 5 hours.

Step 1 $x =$ _____ hours

Step 2 $y = 30 \times 5 =$ _____ gallons

Step 3 The pair is _____.

YOUR TURN

use the steps on your own

6. Tickets cost $9 each. Write the pair (tickets, dollars).

a. 1 ticket: _____ **b.** 2 tickets: _____ **c.** 3 tickets: _____

d. 5 tickets: _____ **e.** 6 tickets: _____ **f.** 10 tickets: _____

READY CHECK

a problem like the one in today's lesson

7. A graph shows signs sold (x) and dollars raised (y). What does (4, 60) mean?

A 4 signs raise $60 in all.

B Each sign raises $60.

C 60 signs raise $4.

D 4 hours raise $60.

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