

Lesson 4.3 Extra Practice

Find the unit rate. *Divide*

1. 360 miles in 6 hours
2. 18 bowlers on 6 lanes
3. \$28 for 7 people
4. 100 books in 5 boxes
5. 24 cups for 4 people
6. 320 liters in 5 bottles
7. 96 feet in 12 seconds
8. 234 miles on 9 gallons
9. $\frac{3}{4}$ quart per $\frac{1}{2}$ ounce
10. 12 pounds for every 10 servings

To find unit rate $y \div x$

Find the missing values in the ratio table. Then write the equivalent ratios.

11.

Minutes	2	4		
Laps	1		5	8

12.

Servings	2	3		
Protein (grams)	30		60	75

Going from y to x \div unit rate

Going from x to y \cdot unit rate

Tell whether the rates are equivalent. Justify your answer.

13. 9 miles for every $\frac{1}{2}$ hour *$9 \div \frac{1}{2} = 18$* 14. $\frac{2}{5}$ gram for every $\frac{3}{10}$ serving

- 6 miles for every 20 minutes *$6 \div 20 = 0.3$* $\frac{5}{2}$ grams for every $\frac{1}{5}$ serving

yes

$\cdot 60 = 18$

15. You run 3 miles in 24 minutes. What is your average rate of speed in miles per minute?
16. Dishwasher detergent is sold in individual packets. You can buy a box of 20, 60, or 90 packets.
- a. The 20-packet box sells for \$5.49. What is the unit rate?
 - b. The 60-packet box sells for \$10.97. What is the unit rate?
 - c. The 90-packet box sells for \$18.95. What is the unit rate?
 - d. Which box is the best value? Explain your answer.