

Learning Objective: Students will be able to find rates, unit rates, and equivalent rates. Homework Answers

5.2 Record and Practice Journal

Find the missing	g value(s) in the ratio table.	Then write the equivalent ratios.
1. Kids	3 9	2. Basketballs 5 10
Adults	1 3	Footballs 10 20
3:1 an	ıd 9:3	5:10 and 10:20
3. Apples Oranges 4:5 an	4 16 5 20 d 16:20	4. CDs 10 30 DVDs 9 27 10:9 and 30:27
5. Regular Decaf 2:3,8	2 8 32 3 12 48 :12, and 32:48	Scooters 1 5 25 Bikes 3 15 75 1:3,5:15, and 25:75
7. You read 1 chapters di <mark>3 chap</mark>	1 you read?	for 3 hours after school. How many

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Lesson 5.3

January 6, 2015

Essential Question:

How can you use rates to describe changes in real-life problems?

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Lesson Objective:

Students will be able to:

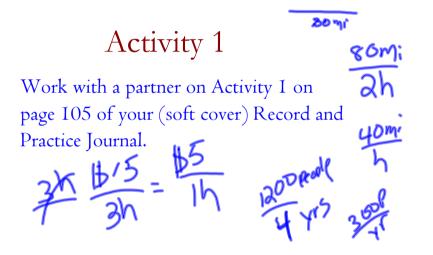
find rates, unit rates, and equivalent rates.

Self-Evaluation Scale

Score	Description	
4	I can teach other students how to find rates, unit rates, and equivalent rates.	
3	I can find rates, unit rates, and equivalent rates.	
2	I recognize, but still need help to find rates, unit rates, and equivalent rates.	
1	I do not know how to find rates, unit rates, and equivalent rates.	

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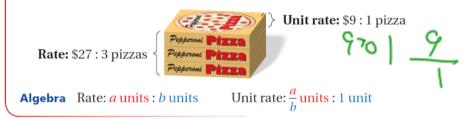


💕 Key Idea

Rate and Unit Rate

Words A rate is a ratio of two quantities using different units. A unit rate compares a quantity to one unit of another quantity. Equivalent rates have the same unit rate.

Numbers You pay \$27 for 3 pizzas.

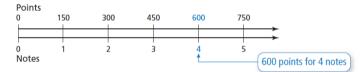


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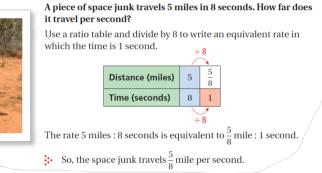
Writing a Rate

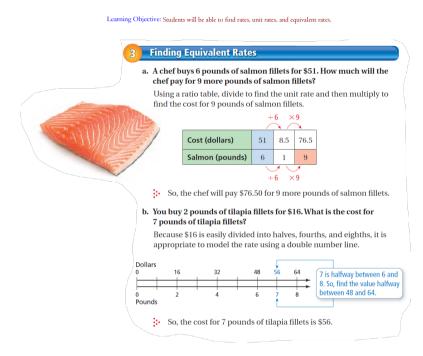
The double number line shows the rate at which you earn points for successfully hitting notes in a music video game. Write a rate that represents this situation.



• One possible rate is 600 points for every 4 notes.

2 Finding a Unit Rate A piece of space in





Learning Objective: Students will be able to make ratio tables and use them to solve problems.

Assignment

Complete problems:

4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, & 26

on pages 208 - 209 in your Big Ideas Text Book. Learning Objective: Students will be able to make ratio tables and use them to solve problems.

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Assignment Answers

4. *Sample answer:* 18 students for every 8 computers

6. Sample answer: 150 gallons for every 25 seconds

8. 6 necklaces per hour

10. 19 students per class

12. 110 calories per serving

14. \$2.50 per ounce

16. 60 beats per minute

18. 30 min

22. equivalent

20. equivalent

- 26. a. about 0.12 mile per minute
- **b.** about 8.0 minutes per mile

c. The runner is talking about the rate in part (b) because "10-minute miles" is a way of talking about the rate in minutes per mile.

Essential Question:

How can you use rates to describe changes in real-life problems?

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Homework

In your Big Ideas Record and Practice Journal page 108.