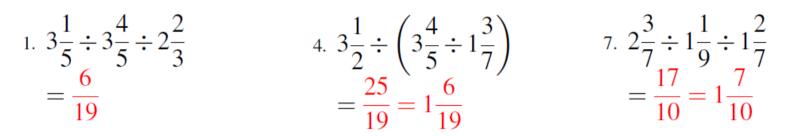
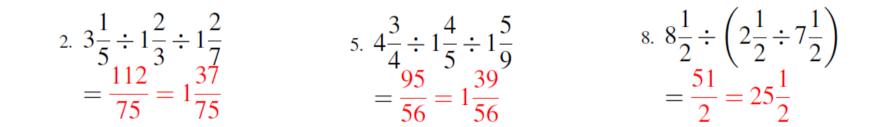


2. 
$$3\frac{1}{5} \div 1\frac{2}{3} \div 1\frac{2}{7}$$
  
5.  $4\frac{3}{4} \div 1\frac{4}{5} \div 1\frac{5}{9}$   
8.  $8\frac{1}{2} \div \left(2\frac{1}{2} \div 7\frac{1}{2}\right)$ 

1

### Warm Up Answers





#### **5.2 Record and Practice Journal**

Find the missing value(s) in the ratio table. Then write the equivalent ratios.											
<sup>1.</sup> Кі	ds	3	9		2.	Basketballs	5	10	]		
Ad	lults	1	3			Footballs	10	20			
3:1 and 9:3						5:10 an	d 10	:20			
	oples	4	16 <b>20</b>	]	4.	CDs 10 DVDs 9	30 27				
	4:5 and 16:20					10:9 and 30:27					
5. Re	egular	2	8	32	6.	Scooters	1	5	25		
	ecaf	3	12	48		Bikes	-	15	75		
2:	3,8	:12	, and	32:4	8	1:3,5:1	15, ai	nd 2	5:7	5	
<ul> <li>2:3, 8:12, and 32:48 1:3, 5:15, and 25:75</li> <li>7. You read 1 chapter every hour. You read for 3 hours after school. How many chapters did you read?</li> <li>3 chapters</li> </ul>											

Lesson 5.3

November 28, 2016

## Lesson Objective:

Students will be able to:

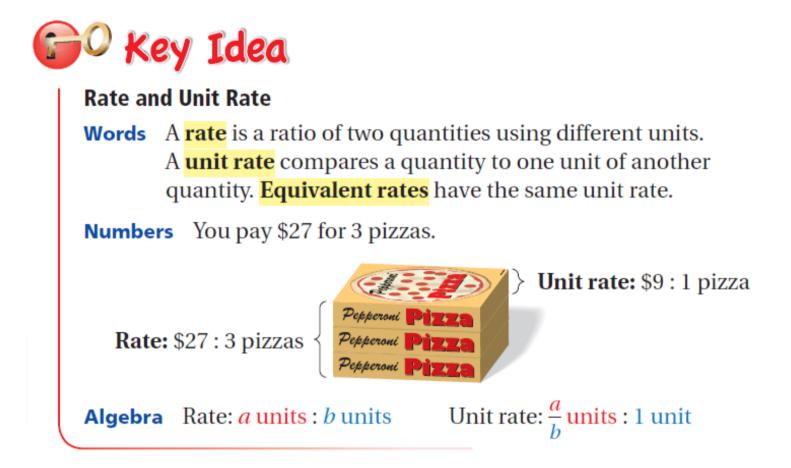
find rates, unit rates, and equivalent rates.

## 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.

# Activity 1

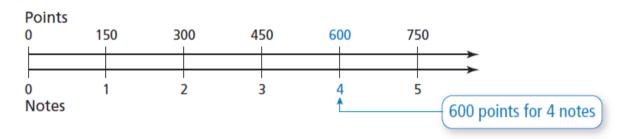
Work with a partner on Activity I on page 105 of your (soft cover) Record and Practice Journal.



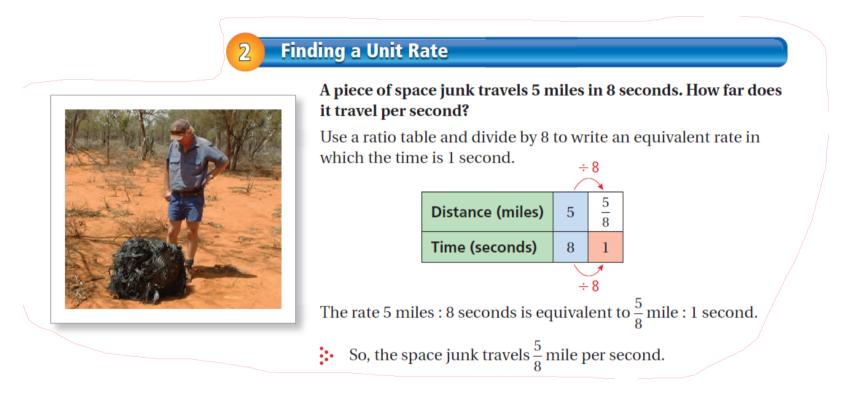
#### Writing a Rate

1

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.



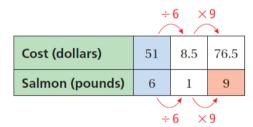
• One possible rate is 600 points for every 4 notes.



#### Finding Equivalent Rates

a. A chef buys 6 pounds of salmon fillets for \$51. How much will the chef pay for 9 more pounds of salmon fillets?

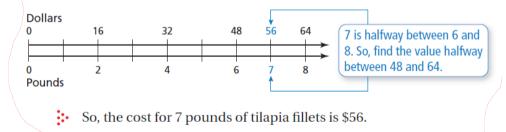
Using a ratio table, divide to find the unit rate and then multiply to find the cost for 9 pounds of salmon fillets.



So, the chef will pay \$76.50 for 9 more pounds of salmon fillets.

#### b. You buy 2 pounds of tilapia fillets for \$16. What is the cost for 7 pounds of tilapia fillets?

Because \$16 is easily divided into halves, fourths, and eighths, it is appropriate to model the rate using a double number line.



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.

### 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

- **20.** equivalent
- 22. 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.

Lesson 5.3

November 28, 2016

### Lesson Objective:

Students will be able to:

find rates, unit rates, and equivalent rates.

November 28, 2016 Lesson 5.3

## 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.

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

### Homework

In your Big Ideas Record and Practice Journal page 108.