

Cornell Notes	Name: _____
Topic: Rates Lesson 5.3	Date: _____
	Period: _____

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

Questions/Main Ideas:	Notes:
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Vocabulary	Rate- a ratio of two quantities using different units
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	Unit Rate- compares a quantity to one unit of another quantity
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	Equivalent Rates- the same unit rate
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Example 1	Writing a Rate
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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.

Example 2	Finding a Unit Rate
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A piece of space junk travels 5 miles in 8 seconds. How far does it travel per second?

	Distance (miles)	5		
	Time (seconds)	8	1	

Example 3	Finding Equivalent Rates
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a. A chef buys 6 pounds of salmon fillets for \$51. How much will the chef pay for 9 more pounds of salmon fillets?

	Cost (dollars)	51		
	Salmon (pounds)	6	9	

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

Cost (dollars)	16	
Tilapia (pounds)	2	7

Summary: Students should write a summary reflecting the above essential question.