Unit: Ratio	s and Proportions	Name:	
Lesson 7: Story Problems with Proportions		Hour:	
Assignment	:7		
quest	ach problem, write a proportion and an equion and state the constant of variation for the eather weekly pay is directly proportional to the ore. Her pay is \$174 for 24 hours of work. Figure 24 hours of work.	ne problem. ne number of hours she works at the record	
	Proportion:	y = kx:	
	Constant of Variation:	Answer:	
 2. Eduardo counted 10 seconds between seeing lightning and hearing thunder, and he knew that the lightning was about 2 miles away. If he counted 4 seconds between the next flash of lightning and thunder, how far away was the lightning? Proportion: y = kx: 			
	Constant of Variation:	Answer:	

 $\langle x \rangle$

	top speed, a rabbit can cover 7 miles in 12 min			
indefinitely, how long would it take the rabbit to cross the 220-mile expanse of the Mojave Desert?				
	Proportion:	y = kx:		
	Constant of Variation:	Answer:		
3. A dishwasher uses 65 gallons of water to wash 5 loads of dishes. How many gallons of water would be used to wash 12 loads?				
	Proportion:	y = kx:		
	Constant of Variation:	Answer:		
4. A person's weekly pay is directly proportional to the number of hours worked. Shawn's is \$123.00 for 20 hours of work. Find the amount of pay for 31 hours of work.				
	Proportion:	y = kx:		
	Constant of Variation:	Answer:		