Day 9 – Rate Conversions & The Metric System	Name:	
Practice Assignment	Date:	Block:
Use dimensional analysis to convert the following. each problem using a conversion factor.	Round your answers to the r	nearest tenth. You MUST set up
Rate Conversions		
1. How many feet per second is 60 miles per hour?	}	
2. How many inches per second is 50 yards per ho	our?	
3. How many pounds per hour are in 721 kilograms	; per week? (Use 1 kg = 2.2 p	ound)
4. Imagine that water is leaking from a container, many milliliters of water will be lost in a week?	at a rate of 1.2 ml/hour. If th	is rate does not change, how
5. A pitcher throws a 98 mph fastball. How fast is th	nat in feet per second?	

The Metric System

1. Write the equivalent measurements.

2. Compare the measurements using <, >, or =. **SHOW YOUR WORK**