Pay 8- Rate Conversions

1. How many feet per second is 60 miles per hour?

1 minutes Le O Secondo

2. How many inches per second is 50 yards per hour? yards _____ in ches ______ Seconds

1 hour 1 yord 1 foot 60 minutes 60 decords 3600 Sec

3. How many meters per week is 2.6 kilometers per day? Km day Week

4. How many kilograms per second-are in 721-bs per week? (Use 1 kg = 2.2 pound) week

1 kg. 7 days 24 hours = 1686.21bs = 9.44 1bs

5. Imagine that water is leaking from a container, at a rate of 1.2 ml/hour. If this rate does not change, how many milliliters of water will be lost in a week?

6. A pitcher throws a 98 mph fastball. How fast is that in feet per second? miles hour Second

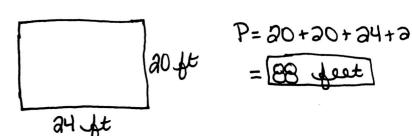
60 minutes 60seconds 3600 seconds second

Foundations of Algebra

Unit 2: Proportional Reasoning & Dimensional Analysis

Practice

7. A room measures 240 inches wide by 288 inches long. What is the perimeter of the room measured in feet? (Uso 2.54 cm - 1 in)



8. In my chemistry class, 28 students are each given 3 pens. If there are 6 pens in one package, priced at \$1.8 per package, what is the total cost of giving away pens?