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| October 13, 2014 | Today’s Objective |
|  | **What is a rate?**Example:**What’s a unit rate?**Example:**Determining the unit rates:**While remodeling her kitchen, Angela is repainting. She estimates that she paints 55 square feet every half-hour. How many square feet does Angela paint per hour?Step 1: Determine the units of rate.Step 2: Find Angela’s rate of painting in area painted per time.Step 3: Find Angela’s unit rate of painting in square feet per hour.**Comparing Unit Rates:** Two pools are leaking. After 15 minutes, pool A has leaked $\frac{2}{3}$Gallon. After 20 minutes, pool B has leaked $\frac{3}{4}$ gallon. Which pool is leaking faster?Step 1: Find the rate in volumes (gallon per hour) at which each pool is leaking.Step 2: To find the unit rates, rewrite the fractions:Step 3: To divide, multiply by the reciprocal.Step 4: Compare Unit Rates: |