Name _____ Date _____

Calculate Unit Rates With Fractions

Calculate the unit rate for each problem. Simplify your answer and write it as a proper fraction, mixed number, or whole number.

1. $\frac{1}{2}$ of a gallon of orange juice every 3 days _____ gallons per day	**2.** 90 pounds of concrete for $\frac{3}{5}$ of a cubic foot _____ pounds per cubic foot
3. 2 buckets hold $\frac{1}{8}$ of a pound of sand _____ pounds per bucket	**4.** 40 apple trees per $\frac{1}{4}$ of an acre _____ trees per acre
5. 4 pots hold $\frac{1}{5}$ of a pound of soil _____ pounds per pot	**6.** $\frac{1}{2}$ of a kilometer in $\frac{1}{12}$ of an hour _____ kilometers per hour
7. $\frac{7}{8}$ of a mile in $\frac{1}{4}$ of an hour _____ miles per hour	**8.** $\frac{1}{3}$ of a cup of sugar for $\frac{1}{2}$ of a batch of scones _____ cups per batch
9. $\frac{1}{2}$ of a bag of lawn seed for $\frac{1}{5}$ of an acre _____ bags per acre	**10.** $\frac{1}{2}$ of a batch of cookies uses $\frac{1}{4}$ of a cup of butter _____ cups per batch
11. $\frac{1}{10}$ of an hour to travel $\frac{3}{4}$ of a mile _____ miles per hour	**12.** $\frac{1}{3}$ of a pint of icing for $\frac{1}{4}$ of a dozen donuts _____ pints per dozen